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건설CALS/EC 전자도면 작성표준

Korea Standard of the CAD Drawing
in Construction CALS/EC

V2.0

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건설CALS/EC 전자도면 작성표준 V2.0 개정이력

차수	일자	주요내용	규격버전
0	2004. 8	- 건설CALS/EC 전자도면 작성표준 V1.0 (제정일 : 2004년 8월) 초판 발행 - 토목(도로, 하천공사), 건축분야 중심	V1.0
1	2006. 6	- 건설교통부 로고 변경 - 본문 내용 용어 및 오타 수정 - 부속서 레이어코드, 심벌목록, 심벌형상목록 등 오타 수정 및 연관된 세부 내용 일치 - 세부 내용은 부속서 뒤에 첨부된 2006. 6 개정내용 참고	V1.0 1차 개정판
2	2006. 12	- 전기설비, 기계설비, 통신설비, 조경분야 확장에 따른 부속서 갱신 - 선목록, 해칭목록 추가에 따른 본문 및 부속서 갱신 - 전자도면 작성표준 범위 확장에 따른 타기관 표준 수용 ・한국도로공사 - 전산설계도서 표준지침서 V4.0 ・한국철도시설공단 - 철도분야 전자도면 작성표준(안) V1.0 ・해양수산부 - 항만·어항건설공사 전자도면 작성편람(안) V2.0 ・(사)한국건축가협회 - 건축도면 공동 표준화지침 V1.1 - 건설CALS/EC 단체표준 일반 V1.0 제정에 따른 본문 및 부속서 재구성 - 세부 내용은 부속서 뒤에 첨부된 2006. 12 개정내용 참고	V1.1
3	2008. 09	- 2008년 2월 29일, 정부조직법 개정으로 인한 기관명칭 및 관련내용 변경 - 전자도면 작성표준 범위 확장에 따른 타기관 표준 수용 ・한국수자원공사 - 전자설계도서 작성기준 V1.0 - 전자도면 작성표준을 준수하여 작성된 디지털 컨텐츠 유통 촉진을 위한 문구 추가 - 수자원분야 확장에 대비한 상하수도 공종분리 및 공통분류 추가 등 부속서 갱신 - 국토해양부령 도로표지규칙 개정에 따른 부속서 갱신 - 한국도로공사 전자설계도서 표준지침서 V4.1 개정에 따른 부속서 갱신 - 세부 내용은 부속서 뒤에 첨부된 2008. 09 개정내용 참고	V1.2

차수	일자	주요내용	규격버전
4	2010.02	- 친환경 하천조성사업 수용을 위한 부속서 갱신 ・하천공사 도면번호 목록 확장 ・토목분야 레이어 목록 확장 및 하천공종 레이어 목록 추가 ・토목분야 심벌 목록 확장 및 하천공종 레이어 목록 추가 - 세부 내용은 부속서 뒤에 첨부된 2010.02 개정내용 참고	V1.3
5	2011.01	- 본문 내 관련기준 및 규격에 수치지도 분야 관련기준 변경 - '수치지도 작성 작업규정(국토지리정보원)' 개정・고시에 따른 수치지도 지형지물 표준코드 적용 개선으로 부속서 갱신 ・공통분야 레이어 및 심벌 목록 중 'NGIS 기본도 및 지하시설물도 1/1,000' 목록 전체를 삭제 ・레이어 목록 내 수치지도 1.0 1:1,000 NGIS 연계코드 전면삭제, 수치지도 지형・지물 표준코드로 NGIS 연계코드 갱신 ・심벌 목록 내 수치지도 1.0 1:1,000 NGIS 연계코드 전면삭제, 수치지도 지형・지물 표준코드로 NGIS 연계코드 갱신 - 세부 내용은 부속서 뒤에 첨부된 2011.01 개정내용 참고	V1.4
6	2012.01	- 항만어항분야 전자설계도서 작성납품지침의 확장에 따른 부속서 갱신 ・복수시설 수용을 위한 항만토목분야의 도면분류 갱신 ・레이어 목록 및 심벌 목록의 갱신 - 세부 내용은 부속서 뒤에 첨부된 2012.01 개정내용 참고	V2.0

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1. 개 요

1.1 근거 및 목적

“전자도면 작성표준”(이하 “본 표준”이라 한다.)은「건설기술개발및관리등에관한운영규정」(2011. 08 .17. 개정, 훈령 제730호)에 의거 개발된 건설CALS/EC 단체표준으로서 건설CALS/EC 체계 내에서 사용되는 모든 도면을 전자화된 형태로 적용하고 도면정보 관련 표준의 기본 요건을 정의하며 관련표준과의 일관성을 유지함을 목적으로 한다.

1.2 적용범위

본 표준은 전자화된 도면을 대상으로 적용하며, 이에 따라 본 표준에서 도면이라 함은 전자도면을 지칭한다. 본 표준은 발주자 및 건설관련업체가 다음의 업무를 수행하는데 적용될 수 있다.

(1) 도면의 작성, 납품, 관리

(2) 발주자의 도면 관련 표준지침, 편람 등의 개발 및 유지관리

(3) 발주자의 도면의 관리 및 재활용

(4) 기타 유관기관 및 업체의 도면 공유 및 교환

1.3 “전자도면 작성표준” 세부자료의 개발 및 보급

(1) 건설CALS/EC 전담기관은 본 표준을 근거로 세부적인 기준 및 자료를 개발, 보급할 수 있다.

(2) 건설CALS/EC 전담기관은 세부적인 기준 및 자료의 개발 및 보급을 위하여 건설CALS/EC 표준을 위한 등록저장소 등의 도구나 수단을 활용할 수 있다.

(3) 건설CALS/EC 전담기관은 건설산업 수행주체들이 각종 지침, 데이터 및 소프트웨어 등을 개발 또는 사용할 때 본 표준에 부합하도록 지원하거나 부합성을 평가 할 수 있다.

1.4 관련기준 및 규격

본 표준과 관련한 관련근거, 기준 및 규격은 다음과 같다.

(1) 국제표준

1) ISO 5457 Technical product documentation - Sizes and layout of drawing sheets

2) ISO 13567-1 Technical product documentation - Organization and naming of layers for CAD - Part 1 : Overview and principles

3) ISO 13567-2 Technical product documentation - Organization and naming of layers for CAD - Part 2 : Concepts, format and codes used in construction documentation

4) ISO 13567-3 Technical product documentation - Organization and naming of layers for CAD - Part 3 : Application of ISO 13567-1 and ISO 13567-2

(2) 국가표준

1) KS A 0005 제도 통칙

2) KS A 0106 도면의 크기 및 양식

3) KS A 0107 제도에 사용하는 문자

4) KS A 0108 제도-길이 치수 및 각도 치수의 허용한계 기입방법

5) KS A 0109 제도-표시의 일반원칙(선에 대한 기본사항)

6) KS A 0110 제도-척도

7) KS A 0111 제도에 사용하는 투영법

8) KS A 0111-1 공업제도 - 투상법 - 제1부 : 개요

9) KS A 0111-2 공업제도 - 투상법 - 제2부 : 직각투상

10) KS A 0111-3 공업제도 - 투상법 - 제3부 : 평행투상에 의한 3차원상 표시

11) KS A 0111-4 공업제도 - 투상법 - 제4부 : 중심투상

12) KS A 0112 제도에 있어서 도형의 표시 방법

13) KS A 0113 제도-치수의 기입 방법(일반원칙, 정의, 실행방법, 특별한 지시방법)

14) KS A 0504 그림 기호 통칙

15) KS A 3007 제도 용어

16) KS A 3800 장표의 설계기준

17) KS A 5201 종이의 재단치수

18) KS B 7090 CAD 용어

19) KS B 7091 CAD 제도

20) KS F 1001 토목 제도 통칙

21) KS F 1501 건축 제도 통칙

22) KS F 1502 창호 기호

23) KS F 1504 건축용 내외장 재료 관계 용어

24) KS F 1508 건축 모듈 정합 관련 용어

25) KS F 1540 CAD 도면 작성 원칙과 기준

26) KS F 1541 CAD 도면 작성을 위한 포맷과 원칙

27) KS F 1550 문세트의 용어

28) KS X 1001 정보 교환용 부호계(한글 및 한자)

29) KS X 6711 칼스(CALS) 표준화 지침

30) KICS.KO-10.0067 국가지리정보체계(NGIS)의 국가기본도 표준 - 지형지물 및 속성부호 - 버전 1.0

(3) 법령, 국가고시 및 지침

1) 공공기관의기록물관리에관한법률시행령 (대통령령)

2) 사무관리규정 (대통령령)

3) 사무관리규정시행규칙 (행정안전부령)

4) 수치지도작성 작업규칙 (국토해양부령)

5) 건설공사의 설계도서 작성기준 (국토해양부)

6) 건설기술개발 및 관리 등에 관한 운영규정 (국토해양부)

7) 건설정보 분류체계 적용기준 (국토해양부)

8) 시설물정보관리종합시스템 운영규정 (국토해양부)

9) 수치지도 수정용 건설공사준공도면 작성에 관한 지침 (국토지리정보원)

10) 수치지도 작성 작업규정 (국토지리정보원)

1.5 용어정의

본 표준에서 사용하는 용어정의는 다음과 같다.

(1) **“개체(Entity)”**라 함은 도면상의 물리적 표현을 위한 점, 선, 면 등으로 구성된 CAD 또는 데이터 요소를 말한다.

(2) **“객체(Object)”**라 함은 하나이상의 개체와 그 내부적 속성 등으로 구성된 CAD데이터 요소로서 단지 물리적 형상의 표현뿐 아니라 시설물에 대한 기획, 설계, 시공, 유지관리 관련 업무에의 활용목적에 부합하는 의미 있는 정보를 내포한다.

(3) **“건설정보 분류체계”**라 함은 「건설기술관리법시행령」 제29조제3항 및 제119조제3항의 규정에 따라 건설공사지원통합정보체계의 활용을 촉진하기 위하여 건설공사의 제반 단계에서 발생되는 건설정보를 체계적으로 분류하기 위한 기준을 말한다.

(4) **“건설CALS/EC 단체표준”**이라 함은 「건설기술개발및관리등에관한운영규정」의 제69조 규정에 의한 전담기관의 장이 제66조 규정에 의한 절차를 거쳐 단체 표준으로 정하여 공고하는 건설CALS/EC 표준을 말한다.

(5) **“건설CALS/EC 표준”**이라 함은 건설사업의 전과정에서 발생하는 정보를 전산망을 통해 교환·공유하기 위하여 건설과 관련된 기관·단체 및 업체 등이 정하여 운용하는 지침, 요령, 기준 등 준칙이나 기술규격 등을 말한다.

(6) **“납품 매체”**라 함은 설계도면을 납품하기 위해 사용하는 매체로서 광의로는 종이나 청사진, 전자매체 등이 포함되지만 본 표준에서는 주로 플로피디스켓, 광디스크, CD-ROM 등과 같은 전자매체를 말한다.

(7) **“도면표준”**이라 함은 설계도면의 작성 및 교환, 납품, 관리 등의 업무에서 요구되는 구성 요소, 절차, 방법, 특성 등에 관한 기술적인 사항을 규정한 규격 또는 정확한 기준을 포함하는 문서화된 합의사항을 말한다.

(8) **“디렉토리(폴더) (Directory (Folder))”**라 함은 전산분야에서 일반적으로 사용되는 의미와 동일한 것으로 설계도면데이터를 조직적으로 정리하기 위하여 서로 관련된 도면데이터들을 하나의 그룹으로 만들어서 저장할 수 있도록 구분된 공간을 의미한다.

(9) **“디지털 포맷(Digital Format)”**이라 함은 일반적으로 특정 응용 프로그램에서 입력 및 출력이 가능한 데이터 형식을 가리킨다.

(10) **“레이어(Layer)”**라 함은 CAD 파일에서 사용되는 서로 다른 도면요소를 구분하고 관리할 수 있는 다층적 구조의 도면층을 말한다. 일부 CAD 시스템에서는 ‘레벨(level)’이라 불리기도 한다.

(11) **“매핑테이블(Mapping Table)”**이라 함은 서로 다른 표준 사이에서의 데이터 교환 및 공유가 가능하도록 표준간의 대응관계를 정의한 테이블을 가리킨다.

(12) **“메타 데이터(Meta Data)”**라 함은 설계도면데이터에 대한 정의나 설명을 의미하는 것으로서 설계도면데이터와 관련된 일반사항(작성일시, 작성자, 작성 소프트웨어 등)과 설계도면데이터의 내용에 관련된 사항(분류체계, 축척, 도면크기 등)을 포함한다.

(13) **“색인데이터”**라 함은 문서에 포함되어 있는 주요사항을 뽑아 찾아보기 쉽게 모아놓은 항목을 말한다.

(14) **“설계도면데이터”**라 함은 CAD 프로그램 등의 소프트웨어를 사용하여 작성된 설계도면과 설계도면을 저장한 저장매체 등을 포함한다.

(15) **“속성(Attribute)”**이라 함은 도면요소가 갖는 특수한 성질로서 개체나 객체 등의 CAD데이터 요소에 그 요소를 정의할 수 있도록 부여된 문자 또는 숫자 등의 데이터를 가리킨다.

(16) **“심벌(Symbol)”**이라 함은 서로 다른 설계도면데이터에 삽입하여 사용할 수 있도록 설계도면데이터에 대하여 독립적으로 저장된 특정 도면요소를 표현하는 개체의 그룹을 말한다. ‘블럭(block)’ 또는 ‘셀(cell)’이라 불리기도 한다.

(17) **“테이블(Table)”**이라 함은 구조계산서와 같은 외부설계정보, 수량산출과 같은 도면내에 작성된 내부설계정보, 자재목록 또는 기기사양과 같은 일반 목록 등을 일정한 형식을 가진 표의 형상과 문자 등으로 도면에 표현한 것을 말한다.

(18) **“폰트(Font)”**라 함은 한 무리의 글자에 대해서 통일적으로 정해진 글자형의 한 쌍이며 정해진 크기와 서체를 갖는 한 벌의 활자를 말하며 글꼴을 의미한다.

(19) **“한국산업규격(KS)”**이라 함은 산업표준화법에 의거하여 산업표준심의회의 심의를 거쳐 기술표준원장이 고시함으로써 확정된 국가표준을 말한다.

(20) **“한국정보통신표준(KICS)”**이라 함은 전기통신, 전파 이용기술, 소프트웨어, 지식정보자원, 정보의 생산, 가공, 유통 및 축적 활동 등 정보통신과 관련된 제품 및 서비스 등의 호환성과 연동성을 확보하고, 정보의 공동 활용을 촉진하기 위해 정보통신 주체 간에 합의된 규약을 국민전체의 공동이익을 도모하고 이용자를 보호하기 위하여 방송통신위원회가 공고한 국가표준을 말한다.

1.6 약어정의

본 표준에서 사용하는 약어정의는 다음과 같다.

(1) **GIS** Geographic Information System

(2) **ISO** International Organization for Standardization

(3) **KICS** Korea Information Communication Standard

(4) **KOSDIC** KOrea Standard of Drawing Information in Construction

(5) **NGIS** National Geographic Information System

(6) **TM** Transverse Mercator

(7) **XML** eXtensible Markup Language

2. 도면일반

2.1 도면의 종류 및 데이터 포맷

건설CALS/EC 체계 내에서 사용되는 도면을 그 종류와 데이터의 측면에서 분류한다. 도면의 종류는 계획도면, 기본설계도면, 실시설계도면, 시공도면, 준공도면, 유지관리도면, 기타도면으로 한다. 도면의 데이터 포맷은 <표 1>과 같이 분류한다.

<표 1> 도면의 데이터 포맷

구 분		포맷형식	표준포맷
도면 데이터	벡터 도면 데이터	벡터 포맷	KOSDIC*
	이미지 도면 데이터	라스터 포맷	TIFF

* 단, 건설분야 도면정보 교환표준(KOSDIC)이 실무적으로 적용되기 어려운 경우 본 표준 '3.4.2 CAD파일의 디지털 포맷'의 규정에 따라 발주자가 자체 기준포맷을 정의한다.

2.2 공통 도면정보체계의 사용

(1) 건설CALS/EC 전담기관은 도면정보체계 중 공통적으로 사용될 수 있는 내용을 제정 및 공고할 수 있으며 발주자는 이를 우선적으로 적용하여야 한다.

(2) 건설CALS/EC 전담기관이 제정 및 공고할 수 있는 정보체계는 레이어, 심벌 등 본 표준에서 제시되는 항목을 범위로 한다.

(3) 발주자는 건설CALS/EC 전담기관이 제정·공고하는 공통 도면정보체계에서 규정되지 않는 발주자 고유의 정보체계를 정의하여 관리할 수 있다.

2.3 공통 도면정보코드

(1) 도면정보에 건설사업단계 및 건설전문분야를 반영해야 할 경우 공통 도면정보코드를 부여하여야 한다.

(2) 건설사업단계의 구분을 위한 코드는 <표 2>와 같이 구분할 수 있으며 필요시 기본코드에 1자리를 추가하여 정의할 수 있다.

(3) 건설전문분야분류코드는 <표 3>과 같이 구분할 수 있다.

<표 2> 건설사업단계 구분을 위한 코드

건설사업단계	코드	업 무
기획단계	P	기본구상, 타당성 조사, 기본계획 관한 업무 등
설계단계	D	입찰·계약, 기본설계, 실시설계, 인허가·민원 업무 등
시공단계	C	입찰·계약, 인허가·민원, 시공, 감리, 준공에 관한 업무 등
유지관리단계	M	입찰·계약, 유지관리, 인허가·민원에 관한 업무 등

<표 3> 건설전문분야 구분을 위한 코드

건설전문분야	코드
건축(Architecture)	A
토목(Civil)/공통(Common)	C
전기설비(Electrical)	E
시설관리(Facilities Management)	F
일반(general)	Z
지리정보(GIS)	G
실내건축(inteRiors)	R
조경(Landscape)	L
기계설비(Mechanical)	M
기타분야(other disciplines)	X
구조(Structural)	S
측량(Survey/Mapping)	V
통신설비(Telecommunications)	T

3. 도면정보 작성표준

3.1 구성기준

3.1.1 도면 구성기준의 관리

(1) 발주자는 도면정보를 체계적으로 작성, 교환, 관리하기 위하여 도면분류체계에 의한 도면 구성기준을 관리하여야 한다.

(2) 도면분류체계는 건설사업 분류, 사업별 세분류, 건설단계 분류와 대·중·소분류 체계를 기본으로 한다. 대분류는 건설전문분야분류를 적용하고, 중분류는 공종, 단위시설 등에서 발주자가 선택하며, 소분류는 도면분류 또는 구체적인 도면명을 적용하여 분류한다.

(3) 도면분류체계는 “건설정보 분류체계”와 연계하여 분류 및 검색이 가능한 구조로 관리할 수 있다.

3.1.2 도면별 작성기준의 관리

(1) 발주자는 도면 내용의 일관성을 유지하기 위하여 도면분류체계에 따른 도면별 작성기준을 관리하여야 한다.

(2) 도면별 작성기준은 국토해양부의 “건설공사의 설계도서 작성기준”에서 규정하는 각 분야별, 설계 단계별 설계 업무의 내용을 기본으로 하고 필요한 내용을 추가하여 관리한다.

3.2 표현기준

3.2.1 도면의 크기 및 양식

(1) 도면의 크기

도면의 크기는 KS A 0106을 기본으로 적용한다.

(2) 도면의 양식

도면의 양식은 KS A 0106을 기본으로 적용한다.

(3) KS를 적용하기 어려운 경우

도면 배치 등의 필요에 의하여 KS가 아닌 특별한 크기의 도면이 요구되는 경우 ISO 5457의 규정 또는 KS 규격 중 가로나 세로, 한 방향으로 연장하여 사용할 수 있다.

3.2.2 도면의 배치, 방향 및 지형표시관련

(1) 도면의 배치

도면은 장변 방향을 수평으로 배치하는 것을 원칙으로 한다. 단, 필요한 경우 단변 방향을 수평으로 배치할 수 있다.

(2) 도면의 방향

좌표계를 갖는 현황도, 배치도 또는 계획평면도 등은 정북(도북)방향을 도면의 위쪽으로 함을 원칙으로 한다. 단, 시설물이나 시설물 주변현황을 고려하여 임의 방향으로 배치할 수 있다.

(3) 좌표계

1) 지형도(수치지도) 등에 활용되는 도면의 좌표는 “측량·수로조사 및 지적에 관한 법률” 제6조 및 같은 법 시행령 제7조에 의한 직각좌표계를 사용하며, 미터(m)단위로 표시한다. 단, 필요한 경우 사업별로 발주자가 별도의 기준좌표를 지정하여 운용할 수 있으며, 이 경우 직각좌표계와의 변환이 가능하도록 필요한 자료를 별도로 확보하여야 한다.

2) 도곽은 발주자가 현황의 규모, 축척에 따라 간격 등을 임의 지정하여 사용할 수 있다.

(4) 방위표시

방위표시는 발주자가 지정한 심벌기호에 의해 도면 오른쪽 위에 배치함을 원칙으로 한다.

(5) 표고 및 레벨

1) 지형이나 대지 등의 표고는 국가 또는 발주자가 정한 수준점으로부터 측량한 해발고도를 미터(m) 단위로 표시한다.

2) 건설사업별로 공사현장의 기준이 되는 지점의 레벨을 공사기준 레벨로 정하여 운용한다.

3) 도면에 표기하는 시설물 각 부위의 레벨은 공사기준 레벨과의 높이 차이를 미터(m) 또는 밀리미터(mm) 단위로 표시한다.

4) 건축물의 층별 레벨의 기준은 층별 바닥마감 레벨로 표시한다.

5) 도면의 표고 및 레벨 표기는 발주자가 정한 심벌기호에 의한다.

3.2.3 표제란

(1) 표제란의 위치

1) 도면에는 작성 및 관리에 필요한 정보를 기록하기 위하여 표제란을 둔다.

2) 표제란의 위치는 KS A 0106을 참고하여 도면윤곽의 오른쪽 하단을 기준으로 왼쪽 또는 위쪽 방향으로 영역을 확보하여 사용한다.

(2) 표제란의 구성요건

표제란은 다음과 같은 영역으로 구성한다.

① 발주자 정보 영역

② 수급인 정보 영역

③ 공사 정보 영역

④ 도면 정보 영역

⑤ 개정관리 정보 영역

(3) 표제란의 관리

발주자는 표제란의 구성요건에 따라 도면 크기별로 표제란의 크기 및 선, 문자 등의 표현 기준을 규정하여 표제란을 작성 및 관리하여야 한다.

3.2.4 도면 표지

(1) 도면 표지의 구성요건

도면표지는 다음과 같은 영역으로 구성한다.

① 공사 정보

② 발주자 정보

③ 수급인 정보

④ 납품 정보

⑤ 도면관리 정보

⑥ 적용표준 정보

(2) 도면 표지의 관리

발주자는 도면 표지의 구성요건에 따라 도면 크기별로 도면표지 기재정보 및 문자, 치수 등의 표현 기준을 규정하여 도면 표지를 작성 및 관리하여야 한다.

3.2.5 도면 목차

(1) 도면 목차의 구성요건

도면 목차는 다음과 같은 정보로 구성한다.

① 도면명

② 도면번호

③ 기타

(2) 도면 목차의 관리

발주자는 도면 목차의 구성요건에 따라 도면 크기별로 도면목차 기재정보 및 선, 문자, 규격 등의 표현기준을 규정하여 도면목차를 작성 및 관리하여야 한다.

3.2.6 출력된 도면의 편철

(1) 출력장치에 의하여 출력된 도면을 철할 때는 도면의 좌측을 철함을 원칙으로 한다.

(2) 도면 편철의 순서는 본 표준 '3.1.1 도면 구성기준의 관리'에서 규정한 분류체계에 따라 구성하는 것을 원칙으로 하되 필요에 따라 발주자가 별도의 편철 순서를 지정할 수 있다.

3.2.7 축척 및 도면의 출력

(1) 축척은 KS A 0110을 기본으로 적용하되 토목분야의 경우 KS F 1001, 건축분야의 경우 KS F 1501의 규정을 적용한다.

(2) 도면의 종류에 따른 축척은 국토해양부의 "건설공사의 설계도서 작성기준" 및 "건설기술개발및관리등에관한운영규정"을 기본으로 적용하되 발주자가 본 표준 '3.1.2 도면별 작성기준의 관리'에서 규정한 도면별 작성 기준에 포함하여 관리하여야 한다.

(3) 도면을 종이 등의 물리적 매체에 출력하는 경우 도면에 표시된 축척과 일치하도록 출력하여야 한다. 만일 도면에 표시된 축척과 다르게 출력되는 경우 도면에 그래픽스케일 등을 표현하여 축척의 확인이 가능하도록 하여야 한다.

3.2.8 선

(1) 선 체계의 관리

발주자는 선의 종류, 형태, 굵기, 간격, 색상 및 용도 등의 정보를 포함하여 선 체계를 작성 및 관리하여야 한다.

(2) 발주자가 특별히 지정하여 관리하지 않는 선은 KS A 0109를 기본으로 적용하되 건축분야의 경우는 KS F 1501의 규정을 적용한다.

(3) 선의 굵기

출력물을 위한 선의 굵기는 KS A 0109를 기본으로 적용한다.

(4) 선의 굵기와 화면 색상 연동

1) 출력물이 칼라인 경우, 출력색상과 화면색상은 동일하게 함을 원칙으로 한다.

2) 출력물이 흑백인 경우, 화면에서의 구분을 용이하게 하기 위하여 선의 굵기와 색상을 연동시켜 사용할 수 있다.

3) 발주자는 선의 굵기와 화면색상의 연동 및 출력물의 색상을 관리하여야 한다.

(5) 선 체계의 원칙

선 체계는 문자 및 숫자로 표현하며 영문 알파벳 A~Z와 숫자 0~9, dash(-)를 사용할 수 있다.

(6) 선 체계의 구조

1) 선 체계의 구조는 다음과 같다.

A-BBBBBnn[-C]

① ② ③ ④

2) 선 체계의 구체적 내용은 다음과 같다.

<표 6> 선 체계(권장)

구 분		형 식	자릿수	필수 여부	비 고
①	대분류	영문	1	필수	기본형태
②	중분류	영문/숫자	5	필수	형상/대상
③	소분류	숫자	2	필수	일련번호
④	구성분류	영문	1	선택	크기 및 방향

① : 대분류는 기본 형태를 정의한다.

② : 중분류에는 형상 및 대상의 명칭을 정의한다.

③ : 소분류에는 중분류에 의한 형상 및 대상의 분류를 적용한다.

④ : 구성분류는 선의 크기나 방향에 따른 구분이 필요한 경우 적용한다.

3.2.9 해칭

(1) 해칭 체계의 관리

발주자는 본 표준 '3.2.8 선'의 선 체계의 관리에 준하여 해칭체계를 작성 및 관리하여야 한다.

(2) 해칭 선의 굵기 및 화면 색상연동

선이 포함된 해칭 선의 굵기 및 화면생상연동은 본 표준 '3.2.8 선'의 내용에 준한다.

(3) 해칭 체계의 원칙 및 구조

해칭 체계의 원칙 및 구조는 본 표준 '3.2.8 선'에 의한 선 체계에 준하여 적용한다.

3.2.10 문자 및 폰트

(1) 문자의 사용은 KS A 0107을 기본으로 적용하되 토목분야의 경우 KS F 1001, 건축분야의 경우 KS F 1501의 규정을 적용한다.

(2) 도면에 표기하는 문자의 높이는 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5, 6, 7, 8, 9, 10, 14, 20mm를 기본으로 한다.

(3) 한글코드 체계

도면 정보 교환을 위한 한글 및 한자의 코드 표현 형식은 KS X 1001을 기본으로 적용한다.

(4) 표준문자 유형의 관리

발주자는 도면에 표기하는 문자를 용도별로 구분하여 폰트, 높이, 용도 등을 정의하여 표준문자 유형을 관리하여 사용한다.

(5) 폰트의 관리

발주자는 도면에 사용하는 문자의 폰트는 폰트명, 폰트파일명, 사용 환경 등을 정의하여 관리한다.

3.2.11 치수

(1) 도면에 표기하는 치수는 mm단위를 원칙으로 하며 도면에 단위는 표시하지 않는다. 다만 미터(m)나 킬로미터(km)등 특정한 단위의 사용이 불가피 한 경우 치수 뒤에 단위를 표기할 수 있다.

(2) 발주자는 치수표기를 위한 선, 심벌, 문자 등의 규격을 표준으로 관리하여 사용한다.

(3) 발주자가 특별히 지정하지 않는 치수의 표기는 KS A 0108과 KS A 0113을 기본으로 적용하되 토목분야의 경우 KS F 1001, 건축분야의 경우 KS F 1501의 규정을 적용한다.

3.2.12 기호 및 도형의 표현

(1) 동일한 의미를 나타내는 기호 및 도형은 통일하여 사용하여야 한다.

(2) 발주자는 기호 또는 도형체계를 구체적으로 작성하여 관리한다.

(3) CAD 사용 효율을 증대하기 위하여 기호 및 도형을 심벌체계 등으로 관리할 수 있으며 이는 본 표준 '3.3.3 심벌 체계'에 의한다.

(4) 기호 및 도형은 KS A 0112를 기본으로 적용하되 토목분야의 경우 KS F 1001, 건축분야의 경우 KS F 1501과 KS F 1502의 규정을 적용한다.

3.2.13 Key Plan, Note 및 특기사항

(1) Key Plan

1) Key Plan을 두는 경우 도면의 우측 상단에 표기한다.

2) Key Plan에는 도면의 해당 부분을 명확하게 표시한다.

3) Key Plan의 상단에 방위표를 표시한다.

(2) 주기(note) 및 기타 특기사항을 두는 경우 표제란은 우측 상단 또는 Key Plan의 하단에 표기한다.

3.2.14 투상법

투상법은 KS A 0111, KS A 0111-1~4를 기본으로 적용하되 건축분야의 경우 KS F 1501의 규정을 적용한다.

3.2.15 용어 및 약어

(1) 용어

1) 도면에 사용되는 용어는 통일하여 일관성 있게 사용한다.

2) 도면에 사용되는 용어는 KS A 3007, KS F 1004, KS F 1504, KS F 1508, KS F 1550 등 KS에서 정의된 용어를 사용한다.

3) KS에 정의된 용어가 없는 경우 다음의 용어 적용 순위에 따라 사용한다.

① 관계법규 또는 법률용어사전에 정의되었거나 법규 내용 중에 사용된 용어

② '한글 맞춤법'(교육부), '외래어 맞춤법'(교육부) 또는 '기본 외래어 용어집'(국립국어연구원), '국어대사전'(법령입안심사기준, 법제처 참조)

③ 각 전문분야별 '기술용어사전'에서 정의된 용어, 한국건설기술연구원의 '건설용어집'

(2) 약어

1) 약어는 어떤 단어의 의미를 원래 어형보다 간략하게 표시한 말로 해당 원어의 본질이 변하지 않는 단어로 규정하며, 도면약어는 도면에 사용되는 영문약어를 말한다.

2) 도면에 사용되는 약어는 통일하여 일관성 있게 사용한다.

3) 발주자가 도면에 사용되는 약어를 관리하는 경우 다음의 원칙에 따른다.

① 약어의 분류는 일련번호, 약어, 유사약어, 원문영어, 한글용어, 분류코드 등에 의한 형식으로 정의한다.

② 약어의 분류체계는 건설전문분야분류 및 용도분류에 의하여 정의한다. 도면약어

는 국내 건설관련 도면은 물론 국제적으로 통용될 수 있도록 정의해야 한다.

③ 약어는 6글자 이상의 영문에 한하여 규정함을 원칙으로 하나, 6글자 미만인 경우에도 기존에 관례적으로 사용되어온 경우는 예외로 한다.

④ 약어는 원칙적으로 마침표(period)를 사용하지 않음을 원칙으로 하나, 관례에 따라 빈번하게 사용되어온 경우는 병용할 수 있다.

⑤ 동일한 분야에서 의미가 서로 다른 약어로 사용될 경우는 유사약어로 분류하여 병용할 수 있으며, 동일한 약어가 타 분야와 다른 의미로 사용될 경우는 별도의 분류로 추가 정의한다.

4) 약어의 사용

약어는 일반문자, 심벌, 테이블, 범례(legend), 주기(note) 등 도면에 사용되는 모든 도면문자에 사용될 수 있다.

3.2.16 테이블(일람표, 재료표, 기타)

(1) 도면에 사용되는 테이블은 통일하여 일관성 있게 사용한다.

(2) 발주자가 도면에 사용되는 테이블 형식을 관리하는 경우 다음의 원칙을 따라 테이블의 분류체계, 구성기준, 기준형상 등을 세부적으로 정의하여 관리한다.

1) 테이블의 분류체계는 건설전문분야분류별로 분류하여 관리한다.

2) 테이블별 구성기준은 속성정보, 형식(정밀도), 단위, 필수여부 등을 정의하여 명시한다.

3) 기준형상은 해당 테이블의 표준형상을 제시하고 참조할 수 있도록 한다.

4) 발주자는 CAD 사용효율을 증대하기 위하여 테이블 정보를 심벌 체계 등으로 관리할 수 있으며, 이 경우 본 표준 '3.3.3 심벌 체계'에 의한다. 또한 심벌 등의 속성정보 체계를 활용할 수 있다.

3.3 데이터 작성기준

3.3.1 도면번호 체계

(1) 도면번호 체계의 원칙

1) 도면번호 체계는 도면분류체계와 연계할 수 있는 구조를 가져야 하며 도면 일련번호를 포함한다.

2) 도면번호 체계는 문자 및 숫자로 표현하며 영문 알파벳 A~Z와 숫자 0~9,

dash(-)를 사용할 수 있다.

(2) 기본 도면번호 체계의 구조

1) 기본 도면번호 체계의 구조는 다음과 같다.

A[BBBCC]DDEEEE[-사용자정의]

① ② ③ ④ ⑤ ⑥

2) 기본 도면번호 체계 구조의 구체적 내용은 다음과 같다.

<표 4> 기본 도면번호 체계(권장)

구 분		형 식	자릿수	필수 여부	비 고
①	대분류	영문	1	필수	건설전문분야분류
②	중분류 (선택사양)	영문/숫자	3	선택	주분류(공종 등)
③		영문/숫자	2	선택	부분류(단위시설 등)
④	소분류	영문/숫자	2	필수	도면분류
⑤	일련번호	숫자	4	필수	0001 - 9999
⑥	사용자정의	영문/한글/숫자	임의	선택	

① : 대분류에는 도면분류체계의 대분류를 적용하며 본 표준 '2.3 공통도면정보코드'에서 규정한 건설전문분야분류 코드를 적용한다.

②,③ : 중분류에는 도면분류체계의 중분류를 적용하며, 주분류 3자리와 부분류 2자리로 구분한다. 필요할 경우 선택적으로 적용할 수 있다.

④ : 소분류에는 도면분류체계의 소분류를 적용한다.

⑤ : 일련번호는 숫자를 4자리 형식으로 표기한다.

⑥ : 사용자 정의는 발주자의 여건에 따라 임의로 정의할 수 있다.

(3) 확장 도면번호 체계의 구조

1) 도면번호에 건설사업 등에 관한 정보를 부여하고자 하는 등 기본 도면번호 체계를 적용하기 곤란한 경우 다음과 같은 확장 도면번호 체계를 적용할 수 있다.

[X] [Y] [Z] - A[BBBCC]DDEEEE[-사용자정의]

① ② ③

2) 확장 도면번호 체계 구조의 구체적 내용은 다음과 같다.

<표 5> 확장 도면번호 체계(권장)

구 분		형 식	자릿수	필수 여부	비 고
①	확장대분류	영문/숫자	임의	선택	건설사업분류, 시설분류 등
②	확장중분류	영문/숫자	임의	선택	사업세분류, 공간분류 등
③	확장소분류	영문/숫자	임의	선택	사업단계분류, 부위분류 등

①,②,③ : 확장 대, 중, 소분류에는 발주자의 사업특성에 따라 건설사업에 관한 분류를 적절히 사용할 수 있다.

3.3.2 레이어 체계

(1) 레이어 체계의 원칙

레이어 체계는 문자 및 숫자로 표현하며 영문 알파벳 A~Z와 숫자 0~9, dash(-)를 사용할 수 있다.

(2) 레이어 체계의 구조

1) 레이어 체계의 구조는 다음과 같다.

AB-CCCC[-사용자정의]

①② ③ ④

2) 레이어 체계의 구체적 내용은 다음과 같다.

<표 6> 레이어 체계(권장)

구 분		형 식	자릿수	필수 여부	비 고
①	대분류	영문	1	필수	건설전문분야분류
②	중분류	영문/숫자	1	필수	건설전문분야분류 세분류
③	소분류	영문/숫자	4	필수	도면요소분류
④	사용자정의	영문/한글/숫자	임의	선택	-

① : 대분류에는 도면분류체계의 대분류를 적용하며 본 표준 '2.3 공통도면정보코드'에서 규정한 건설전문분야분류 코드를 적용한다.

② : 중분류에는 해당 건설전문분야의 성격에 따른 공종, 단위시설, 공간 등의 세분류를 발주자가 정의하여 적용한다.

③ : 소분류에는 도면요소 분류를 발주자가 정의하여 적용한다.

④ : 사용자 정의는 발주자의 여건에 따라 임의로 정의할 수 있다.

(3) 타 정보와의 연계

1) 국내에서 작성된 도면정보가 외국에서 작성된 도면정보와 공유 또는 교환의 필요가 있을 경우 국제표준인 ISO-13567에서 규정한 레이어 체계와 호환될 수 있는 구조로 정의되어야 한다.

2) 도면정보가 GIS 정보와 공유 또는 교환의 필요가 있을 경우 NGIS에서 규정한 레이어 체계와 호환될 수 있는 구조로 정의되어야 한다. 단, NGIS 데이터를 건설도면의 일부로 사용할 때 NGIS 레이어가 건설도면의 레이어로 호환이 곤란할 경우 NGIS 레이어 체계를 그대로 사용할 수 있다.

3) 1) 또는 2)의 필요성이 발생하는 경우 별도의 매핑 테이블을 정의하여 사용한다.

3.3.3 심벌 체계

(1) 심벌 체계의 원칙

심벌 체계는 문자 및 숫자로 표현하며 영문 알파벳 A~Z와 숫자 0~9, dash(-)를 사용할 수 있다.

(2) 심벌 체계의 구조

1) 심벌 체계의 구조는 다음과 같다.

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①② ③ ④

2) 심벌 체계의 구체적 내용은 다음과 같다.

<표 7> 심벌 체계(권장)

구 분		형 식	자릿수	필수 여부	비 고
①	대분류	영문	1	필수	건설전문분야분류
②	중분류	영문/숫자	1	필수	건설전문분야분류, 세분류
③	소분류	영문/숫자	5	필수	도면요소분류
④	사용자정의	영문/한글/숫자	임의	선택	-

① 대분류에는 도면분류체계의 대분류를 적용하며 본 표준 '2.3 공통 도면정보코드'에서 규정한 건설전문분야분류 코드를 적용한다.

② 중분류에는 해당 건설전문분야의 성격에 따른 공종, 단위시설, 공간 등의 세분류를 발주자가 정의하여 적용한다.

③ 소분류에는 도면요소 분류를 발주자가 정의하여 적용한다.

④ 사용자 정의는 발주자의 여건에 따라 임의로 정의할 수 있다.

(3) 타 정보와의 연계

1) 도면정보가 NGIS 정보와 공유 또는 교환의 필요가 있을 경우 NGIS에서 규정한 심벌 체계와 호환될 수 있는 구조로 정의되어야 한다. 단, NGIS 데이터를 건설도면의 일부로 사용하는 할 때 NGIS 레이어가 건설도면의 레이어로 호환이 곤란할 경우 NGIS 심벌 체계를 그대로 사용할 수 있다.

2) 이를 위하여 별도의 매핑테이블을 정의하여 사용할 수 있다.

3) 심벌 체계는 속성 체계와 함께 사용할 수 있다. 이 경우 본 표준 '3.3.5 속성 체계'에 따른다.

3.3.4 객체 체계

(1) 객체 체계의 사용

발주자는 업무생산성 향상 등을 이유로 CAD 소프트웨어가 제공하는 객체 체계를 사용할 수 있다.

(2) 객체 체계의 구성

발주자가 객체 체계를 사용하는 경우 추후 건설CALS/EC 객체 표준과 연계할 수 있도록 사전에 자체적인 표준화를 선행하여야 한다.

3.3.5 속성 체계

(1) 속성 체계의 사용

발주자는 속성정보를 가질 수 있는 심벌, 객체 등의 데이터에 대하여 기획, 설계, 시공, 유지관리 업무에 활용할 수 있는 속성정보를 부여하여 사용할 수 있다. 속성정보를 사용하는 경우 속성 체계를 정의하여 사용한다.

(2) 속성 체계의 구성

속성 체계는 하나 이상의 정보필드를 가진다. 각 정보필드는 형식, 단위, 필수여부, 정보부여 주체 등이 정의되어야 한다.

3.4 파일 작성기준

3.4.1 도면파일명 체계

(1) 도면파일명 체계는 본 표준 '3.3.1 도면번호 체계'(기본 도면번호 체계 및 확장 도면번호 체계)와 연계성을 가져야 한다.

(2) 도면파일명 체계는 기본 도면번호 체계를 사용하는 경우 가급적 동일하게 사용하며, 확장 도면번호 체계를 사용하는 경우 디렉토리(폴더)체계를 병행하여 사용할 수 있다.

(3) 도면파일 하나에는 하나의 도면명에 해당하는 정보를 저장하는 것을 원칙으로 한다.

3.4.2 CAD파일의 디지털 포맷

(1) 모든 도면은 CAD에 의하여 작성되어 전자적인 수단으로 교환 및 납품하는 것을 원칙으로 한다.

(2) 이 경우 도면 데이터의 디지털 포맷은 건설분야 도면정보 교환표준(KOSDIC)으로 한다.

(3) 다음의 경우, 발주자는 수급인과 협의하여 건설분야 도면정보 교환표준(KOSDIC)의 적용범위와 방법을 별도로 정할 수 있다.

1) KOSDIC 사양이 발주자가 요구하는 도면정보체계에 적용되기 어려운 것으로 인정되는 경우

2) 기타 발주자와 수급인이 특별한 사유에 의하여 상호 협의한 경우

(4) (3)에 따라 발주자는 다음의 내용을 규정하여야 한다.

1) 대체 디지털 포맷의 종류

2) 사용 소프트웨어명

3) 대체 디지털포맷의 버전

(5) 이미지 도면데이터를 작성하는 경우 흑백도면기준으로 200dpi 이상으로 함을 원칙으로 한다.

3.4.3 도면데이터 저장 요건

발주자는 도면데이터의 활용을 위하여 도면데이터의 저장을 위한 요건을 규정할 수 있다.

3.5 도면정보체계의 관리 및 유통

(1) 레이어, 심벌, 객체, 속성 등의 도면정보는 기획단계, 설계단계, 시공단계 및 유지관리단계의 각종 업무효율화 증대를 목표로 활용되어야 한다.

(2) 발주자는 도면정보체계를 개발하기 위한 표준화와 업무개선을 추진하고 그 결과를 업

무절차에 반영할 수 있다.

(3) 도면관련 정보제공자가 도면관련 업무 수행 주체 등을 대상으로 도면정보체계를 보급하여 유통하고자 할 때는 레이어, 심벌, 객체, 속성 등의 사용자 정의기준을 이용한 고유의 코드체계를 부여하여 유통시킬 수 있다.

(4) 발주자나 도면관련 정보제공자가 도면정보체계를 관리하거나 유통하고자 할 경우 본 표준 '2.2 공통 도면정보체계의 사용'과 위배되지 않도록 하여야 한다.

3.6 표준 지원기술의 확보

발주자는 표준화된 도면데이터의 작성 및 납품에 도움이 될 수 있도록 응용프로그램, 라이브러리, CAD 환경변수 등 표준 환경을 지원하는 기술을 확보하여 보급할 수 있다.

4. 도면정보 유통표준

4.1 납품 매체

(1) 도면 데이터는 인터넷을 비롯한 건설CALS/EC 네트워크 인프라를 이용하여 납품할 수 있으며 이는 해당 건설CALS/EC 체계 관련 시스템의 규정에 따른다.

(2) 도면 데이터를 필요에 따라 물리적인 매체를 이용하여 납품하고자 할 경우에 사용하는 물리적인 납품 매체는 CD-ROM으로 규정한다.

(3) CD-ROM 이외의 납품 매체의 사용에 대해서는 발주자가 규정하거나 발주자와 수급인 간 협의에 의하여 결정하되 다음의 사항은 필수적으로 규정되어야 한다.

① 납품 매체의 종류

② 납품 매체의 규격

③ 납품 매체의 용량

④ 납품 매체의 수록 형식(Recording Format)

⑤ 납품 매체의 라벨(Label) 형식 및 구성 항목, 작성방법

4.2 납품 디렉토리(폴더) 체계

(1) 발주자가 도면데이터의 납품을 오프라인 납품 매체로 규정한 경우 납품 매체 내의 디렉토리(폴더)체계에 대한 기준을 확보하여야 한다.

(2) 납품 매체의 루트 디렉토리(폴더)에 설계도면을 지칭하는 서브디렉토리(폴더)를 생성하고 그 하부에 도면데이터를 보관한다. 단, 특별한 필요성 또는 도면의 분량에 따라 단계별 계층의 서브디렉토리(폴더)를 생성할 수 있으며 이 경우 본 표준 '3.1.1 도면 구성기준의 관리' 및 '3.3.1 도면번호 체계'에 따라 구성하는 것을 원칙으로 한다.

(3) 본 체계는 납품이후의 관리업무에도 적용할 수 있다. 이 경우 사업관리를 위한 상위 디렉토리(폴더)체계에 대한 기준을 확보하여야 한다.

4.3 색인데이터 파일

(1) 도면파일을 납품하는 경우 도면파일에 대한 일반사항을 기록한 색인데이터 파일을 포함할 수 있다. 이 경우 색인데이터 파일에는 납품되는 도면파일들에 대한 공통정보와 파일별 개별정보가 포함되어야 한다.

(2) 공통정보에 대한 구체적인 항목은 발주자의 필요에 의하여 정의할 수 있으나 성과물에 대한 다음과 같은 항목이 필수적으로 포함되는 것을 권장한다.

① 발주자 관련 정보

② 수급인 관련 정보

③ 해당 건설공사 관련 정보

④ 표준관련 정보 및 소프트웨어, 디지털 포맷 관련 정보

⑤ 납품 매체 및 성과물 관련 정보

(3) 개별정보에 대한 구체적인 항목은 발주자의 필요에 의하여 정의할 수 있으나 다음과 같은 항목이 필수적으로 포함되는 것을 권장한다.

① 도면번호, 도면명 등 도면자체 정보

② 도면파일명, 납품 매체 등 파일저장 정보

(4) 발주자가 색인데이터 파일을 사용하는 경우 디지털 포맷은 건설CALS/EC 표준에서 별도로 정하는 포맷을 사용하는 것을 원칙으로 한다.

4.4 납품 데이터의 요건

(1) 데이터 파일은 각종 바이러스에 감염되지 않은 상태로 납품되어야 한다.

(2) 데이터 파일은 납품이전에 파일의 크기를 최소화하기 위한 노력이 선행되어야 한다.

(3) 데이터 파일은 가급적 외부참조 등 다른 데이터를 참조하지 아니한 상태에서 단일파일별로 단독적으로 조회가 가능한 상태로 납품되어야 한다.

(4) 데이터의 압축여부는 추후의 건설CALS/EC 표준압축규격에 따른다. 건설CALS/EC 표준압축규격이 정해지지 않은 단계에서 발주자는 납품과정에서 자료유통의 효율을 위하여 압축방식을 정할 수 있으나 최종 데이터의 관리는 압축되지 않은 상태가 바람직하다.

4.5 도면의 검수

(1) 발주자는 본 표준을 토대로 수급인이 준수하여야 할 도면표준 관련 기준을 정할 수 있다.

(2) 발주자가 도면표준을 정하는 경우 이를 각종 절차서 및 지시서에 표준을 반영하여야 하며 수급인의 표준준수 여부를 검수하여야 한다.

(3) 수급인은 발주자가 도면표준 관련 기준을 정하는 경우 이를 준수하여야 하며 표준화된 도면 데이터 파일을 납품하기 위하여 노력하여야 한다.

(4) 수급인은 도면데이터, 출력도면 등 도면관련 성과품을 두 가지 이상의 종류로 납품하는 경우 성과품간의 도면내용의 일치성을 확인하여야 한다.

4.6 전자도면 표준 콘텐츠의 유통

(1) 표준 적용 시 표준도 등 도면의 일부를 구성하는 도면 콘텐츠도 본 표준을 적용하는 것을 원칙으로 한다.

(2) 발주자가 도면 표준콘텐츠를 제작 보급하는 경우 발주자의 표준에 따라 제작한다.

(3) 제3자가 도면 표준콘텐츠를 보급하는 경우 적절한 폴더의 분류, 표제란, 축척 및 단위, 레이어, 선 및 색상, 심벌, 해칭, 문자폰트 등의 요건항목에 따라 제작하여 보급한다.

(공 백)

건설CALS/EC 전자도면 작성표준 V2.0

부 속 서

2012. 1

KICT 한국건설기술연구원

건설CALS/EC 전자도면 작성표준 V2.0

[부속서 1]

도면번호 목록

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5.2 철도 전기설비공사 도면번호 목록 ····· 28

6. 통신설비분야 도면번호 목록 ····· 32
6.1 일반 통신설비공사 도면번호 목록 ····· 32
6.2 철도 통신설비공사 도면번호 목록 ····· 34

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7.1 일반 조경공사 도면번호 목록 ····· 37
7.2 철도 조경공사 도면번호 목록 ····· 38

0. 도면번호 목록 범례

가. 도면번호는 “건설CALS/EC 전자도면 작성표준”의 기본 도면번호체계 구조를 적용한다.

나. 중분류체계를 사용하는 도면번호 목록의 구조는 다음과 같다.

대분류 ①	중분류 ②		소분류 ③	도면번호 ④	비고
	주분류	부분류			
C:토목	000:연결종합	01:연결종합계획도	01:연결종합 계획평면도	C0000101-□□□	
			02:연결종합 종단면도	C0000102-□□□	
		02:연결종합용지도	01:연결종합 용지도 또는 지장물도	C0000201-□□□	
	001:공통	01:일반	01:표지	C0010101-□□□	
			02:목차	C0010102-□□□	
			03:개요	C0010103-□□□	
			04:위치도	C0010104-□□□	
			05:범례	C0010105-□□□	
			06:설계기준	C0010106-□□□	

다. 중분류체계를 사용하지 않는 도면번호 목록의 구조는 다음과 같다.

대분류 ①	중분류		소분류 ③	도면번호 ④	비고
	주분류	부분류			
A:건축			00:공통도면	A00-□□□	
			01:표지	A01-□□□	
			02:투시도 또는 조감도	A02-□□□	
			03:일반사항	A03-□□□	
			04:도면목록	A04-□□□	
			09:기타	A09-□□□	

① 전문분야분류 코드
(예: 토목은 “C”, 건축은 “A”)
② 발주자의 필요에 따라 주분류, 부분류에 각기 공종이나 시설 시설단위의 코드 적용
이 때 부분류에 시설 단위의 분류를 사용하는 경우 순서에 의한 번호를 사용
- OO터널 평면 및 종단면도(1) ; C006**02**02-001
- OO터널 평면 및 종단면도(2) ; C006**02**02-002
- □□터널 평면 및 종단면도(1) ; C006**03**02-001
- □□터널 평면 및 종단면도(2) ; C006**03**02-002

③ 최종 도면명에 대한 코드
④ ‘-001’부터 ‘-999’까지 사용
필요에 따라 도면을 구분할 필요가 있을 경우, 100번대나 10번대를 적절히 활용

라. 파일명에 도면번호를 적용할 경우, 사용자정의를 붙여 이용할 수 있다.
(예: C0060202-001-OO터널 평면 및 종단면도(1).KOS)

1. 공통분야 도면번호

공통분야 도면번호는 도면번호 목록을 정의하기 위한 코드를 규정하고 있으며, 세부 구성은 다음과 같다.

	①	②			③		④		⑤				⑥
코드구성	A	B	B	B	C	C	D	D	E	E	E	E	- 사용자정의
구 분	대분류	중분류					소분류		일련번호				사용자정의
		주분류			부분류								
자 릿 수	1	3			2		2		4				임의
필수여부	필수	선택			선택		필수		필수				선택
형 식	영문	영문/숫자			영문/숫자		영문/숫자		숫자				영문/한글/숫자

① : 대분류에는 도면 분류체계의 대분류를 적용하며, 본 표준 '2.3 공통 도면정보코드'에서 규정 한 건설전문분야 분류코드를 적용한다.

②, ③ : 중분류에는 도면 분류체계의 중분류를 적용하며, 주분류 3자리와 부분류 2자리로 구분한다. 필요할 경우 선택적으로 적용할 수 있다.

④ : 소분류에는 도면 분류체계의 소분류를 적용한다.

⑤ : 일련번호는 숫자를 4자리 형식으로 표기한다.

⑥ : 사용자 정의는 발주자의 여건에 따라 임의로 정의할 수 있다.

2. 토목분야 도면번호 목록

2.1 도로공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	000:연결종합	01:연결종합계획도	01:연결종합 계획평면도	C0000101-□□□	
			02:연결종합 종단면도	C0000102-□□□	
		02:연결종합용지도	01:연결종합 용지도 또는 지장물도	C0000201-□□□	
	001:공통	01:일반	01:표지	C0010101-□□□	
			02:목차	C0010102-□□□	
			03:개요	C0010103-□□□	
			04:위치도	C0010104-□□□	
			05:범례	C0010105-□□□	
			06:설계기준	C0010106-□□□	
		02:표준도	01:표준 횡단면도	C0010201-□□□	
			02:표준 편경사도	C0010202-□□□	
			03:편경사 설치도	C0010203-□□□	
		03:좌표전개	01:좌표전개도	C0010301-□□□	
		04:노즈부상세	01:노즈부 상세도	C0010401-□□□	
		99:기타	01:기타도면	C0019901-□□□	
	002:토공	01:본선	01:평면 및 종단면도	C0020101-□□□	
			02:횡단면도	C0020102-□□□	
		10:IC 또는 JCT*	01:평면 및 종단면도	C0021001-□□□	
			02:횡단면도	C0021002-□□□	
		20:영업소*	01:평면 및 종단면도	C0022001-□□□	
			02:횡단면도	C0022002-□□□	
		30:휴게소*	01:평면 및 종단면도	C0023001-□□□	
			02:횡단면도	C0023002-□□□	
		40:법정도로*	01:평면 및 종단면도	C0024001-□□□	
			02:횡단면도	C0024002-□□□	
		50:부체도로*	01:평면 및 종단면도	C0025001-□□□	
			02:횡단면도	C0025002-□□□	
		90:유토곡선도	01:유토곡선도 등	C0029001-□□□	
		99:기타	01:기타도면	C0029901-□□□	
	003:비탈면 안전공	01:비탈면안전시설	01:비탈면 안전시설도	C0030101-□□□	
		99:기타	01:기타도면	C0039901-□□□	
	004:배수공	01:배수계획	01:배수계통도	C0040101-□□□	
			02:배수계획 종평면도	C0040102-□□□	
			03:수로이설 종평면도	C0040103-□□□	
		02:배수구조	01:배수구조물 횡단면도	C0040201-□□□	
			02:배수구조물 구조도	C0040202-□□□	
		90:배수공 표준도	01:배수공 표준도	C0049001-□□□	
		99:기타	01:기타도면	C0049901-□□□	
	005: 구조물공	01:공통	01:표지	C0050101-□□□	
			02:목차	C0050102-□□□	

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	005: 구조물공	01:공통	03:공통사항	C0050103-□□□	
		02:교량명*	01:일반사항	C0050201-□□□	
			02:평면 및 종단면도 또는 지질	C0050202-□□□	
			03:라멘구조도	C0050203-□□□	
			04:상부구조도	C0050204-□□□	
			05:하부구조도	C0050205-□□□	
			06:옹벽구조도	C0050206-□□□	
			07:교량 부대공	C0050207-□□□	
			08:가시설도(가도)	C0050208-□□□	
		90:옹벽공	01:옹벽구조도	C0059001-□□□	
		99:기타	01:기타도면	C0059901-□□□	
	006:터널공	01:공통	01:표지	C0060101-□□□	
			02:목차	C0060102-□□□	
			03:공통사항	C0060103-□□□	
		02:터널명*	01:일반사항	C0060201-□□□	
			02:평면 및 종단면도 또는 지질	C0060202-□□□	
			03:본선터널굴착 등	C0060203-□□□	
			04:본선터널기타 등	C0060204-□□□	
			05:갱구부 및 갱문구조도	C0060205-□□□	
			06:비상주차대 또는 피난갱구조도	C0060206-□□□	
			07:터널 부대공	C0060207-□□□	
			08:전기설비도	C0060208-□□□	
			09:기계설비도	C0060209-□□□	
			10:건축시설도	C0060210-□□□	
		99:기타	01:기타도면	C0069901-□□□	
	007:포장공	01:포장계획	01:포장단면도	C0070101-□□□	
			02:포장계획도	C0070102-□□□	
		02:교량접속	01:접속슬래브 구조도	C0070201-□□□	
		99:기타	01:기타도면	C0079901-□□□	
	008:교통안전 시설공	01:교통안전시설	01:교통안전 시설도	C0080101-□□□	
		99:기타도면	01:기타도면	C0089901-□□□	
	009:부대공	01:부대시설	01:부대시설도	C0090101-□□□	
			02:교통처리계획도	C0090102-□□□	
			03:기타 부대시설도	C0090103-□□□	
		90:부대공 표준도	01:부대공 표준도	C0099001-□□□	
		99:기타	01:기타도면	C0099901-□□□	
	010:용지공	01:편입용지	01:용지도	C0100101-□□□	
		02:지장물	01:지장물도 또는 지하시설물도	C0100201-□□□	
		99:기타	01:기타도면	C0109901-□□□	
	099:기타공	99:기타	01:기타 특수공법 등	C0999901-□□□	
			02:기타 미 분류 도면	C0999902-□□□	
			03:조명설비(통로, 교량 등)	C0999903-□□□	
			04:교차로 등 교통신호설비	C0999904-□□□	

※ 시설별 부분류 확장(*) 시 제한된 범위내 복수시설 부분류 코드는 20, 21 … 29, 2A, 2B … 와 같이 순차 확장함

2.2 하천공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	000:연결종합	01:연결종합계획도	01:연결종합 계획평면도	C0000101-□□□	
			02:연결종합 종단면도	C0000102-□□□	
		02:연결종합용지도	01:연결종합 용지도 또는 지장물도	C0000201-□□□	
	001:공통	01:일반	01:표지	C0010101-□□□	
			02:목차	C0010102-□□□	
			03:개요	C0010103-□□□	
			04:위치도	C0010104-□□□	
			05:범례	C0010105-□□□	
			06:설계기준	C0010106-□□□	
		02:표준도	01:표준횡단면도	C0010201-□□□	
		03:좌표전개	01:좌표전개도	C0010301-□□□	
		99:기타	01:기타도면	C0019901-□□□	
	002:축제공	10:제방시설*	01:공사계획 현황도	C0021001-□□□	
			02:계획평면도	C0021002-□□□	
			03:제방 표준단면도	C0021003-□□□	
			04:축제 종단면도	C0021004-□□□	
			05:축제 횡단면도	C0021005-□□□	
		99:기타	01:기타도면	C0029901-□□□	
	003:호안공	10:고수호안*	01:호안 전개도	C0031001-□□□	
			02:호안 상세도	C0031002-□□□	
		20:저수호안*	01:호안 전개도	C0032001-□□□	
			02:호안 상세도	C0032002-□□□	
		30:제방호안*	01:호안 전개도	C0033001-□□□	
			02:호안 상세도	C0033002-□□□	
		99:기타	01:기타도면	C0039901-□□□	
	004:하도정비공	10:하도정비*	01:하도정비 계획평면도	C0041001-□□□	
			02:하도정비 표준단면도	C0041002-□□□	
			03:하도정비 종단면도	C0041003-□□□	
			04:하도정비 횡단면도	C0041004-□□□	
			05:하도정비 상세도	C0041005-□□□	
		20:낙차및하상보호*	01:낙차공,보,어도 일반도	C0042001-□□□	
			02:낙차공,보,어도 구조도	C0042002-□□□	
			03:낙차공,보,어도 상세도	C0042003-□□□	
		30:징검여울및수제*	01:징검여울및수제 일반도	C0043001-□□□	
			02:징검여울및수제 상세도	C0043002-□□□	
		99:기타	01:기타도면	C0049901-□□□	
	005:차수공	10:차수시설*	01:일반사항	C0051001-□□□	
			02:차수시설 전개도	C0051002-□□□	
			03:차수시설 상세도	C0051003-□□□	
		99:기타	01:기타도면	C0059901-□□□	
	006:배수시설공	01:배수일반	01:일반사항	C0060101-□□□	
			02:배수시설 계통도	C0060102-□□□	
			03:배수시설 평면도	C0060103-□□□	

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	006:배수시설공	01:배수일반	04:배수시설 상세도	C0060104-□□□	
		10:배수문*	01:배수문 일반도	C0061001-□□□	
			02:배수문 구조도	C0061002-□□□	
			03:배수문 상세도	C0061003-□□□	
		20:배수통문및통관*	01:배수통문및통관 일반도	C0062001-□□□	
			02:배수통문및통관 구조도	C0062002-□□□	
			03:배수통문및통관 상세도	C0062003-□□□	
		30:수로및측구시설*	01:수로및측구 계획도	C0063001-□□□	
			02:수로및측구 일반도	C0063002-□□□	
			03:수로및측구 구조도	C0063003-□□□	
			04:수로및측구 상세도	C0063004-□□□	
		99:기타	01:기타도면	C0069901-□□□	
	007:하천구조물공	01:공통	01:표지	C0070101-□□□	
			02:목차	C0070102-□□□	
			03:공통사항	C0070103-□□□	
		10:교량시설*	01:일반사항	C0071001-□□□	
			02:평면 및 종단면도 또는 지질	C0071002-□□□	
			03:상부구조도 또는 라멘구조도	C0071003-□□□	
			04:하부구조도	C0071004-□□□	
			05:옹벽구조도	C0071005-□□□	
			06:교량 부대공	C0071006-□□□	
			07:가시설도(가도) 및 가물막이	C0071007-□□□	
		20:다목적시설*	01:일반사항	C0072001-□□□	
			02:평면 및 종단면도 또는 지질	C0072002-□□□	
			03:상부구조도	C0072003-□□□	
			04:하부(기초,보)구조도	C0072004-□□□	
			05:옹벽구조도	C0072005-□□□	
			06:부대공 및 상세도	C0072006-□□□	
			07:가시설 및 가물막이	C0072007-□□□	
			08:건축도면	C0072008-□□□	
			09:기계설비도면	C0072009-□□□	
			10:전기,제어설비도면	C0072010-□□□	
		30:갑문시설*	01:일반사항	C0073001-□□□	
			02:평면 및 종단면도 또는 지질	C0073002-□□□	
			03:갑문 및 갑실구조도	C0073003-□□□	
			04:부대공 및 상세도	C0073004-□□□	
			05:가시설 및 가물막이	C0073005-□□□	
			06:건축도면	C0073006-□□□	
			07:기계설비도면	C0073007-□□□	
			08:전기,제어설비도면	C0073008-□□□	
		90:옹벽공	01:옹벽구조도	C0079001-□□□	
		99:기타	01:기타도면	C0079901-□□□	
	008:부체도로공	10:부체도로*	01:평면 및 종단면도	C0081001-□□□	
			02:횡단면도	C0081002-□□□	
			03:상세도	C0081003-□□□	
		20:진입램프*	01:평면 및 종단면도	C0082001-□□□	

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	008:부체도로공	20:진입램프*	02:횡단면도	C0082002-□□□	
			03:상세도	C0082003-□□□	
		99:기타	01:기타도면	C0089901-□□□	
	009:내수배제시설공	01:공통	01:표지	C0090101-□□□	
			02:목차	C0090102-□□□	
			03:공통사항	C0090103-□□□	
		10:토목시설*	01:일반사항	C0091001-□□□	
			02:계획평면도	C0091002-□□□	
			03:종단면도	C0091003-□□□	
			04:횡단면도	C0091004-□□□	
			05:구조도	C0091005-□□□	
			06:상세도	C0091006-□□□	
		20:건축및설비*	01:건축도면	C0092001-□□□	
			02:기계설비도면	C0092002-□□□	
			03:전기설비도면	C0092003-□□□	
		99:기타	01:기타도면	C0099901-□□□	
	010:취수시설공	01:공통	01:표지	C0100101-□□□	
			02:목차	C0100102-□□□	
			03:공통사항	C0100103-□□□	
		10:취수시설*	01:일반사항	C0101001-□□□	
			02:계획평면도	C0101002-□□□	
			03:종단면도	C0101003-□□□	
			04:횡단면도	C0101004-□□□	
			05:구조도	C0101005-□□□	
			06:상세도	C0101006-□□□	
		99:기타	01:기타도면	C0109901-□□□	
	011:하천환경공	01:공통	01:표지	C0110101-□□□	
			02:목차	C0110102-□□□	
			03:공통사항	C0110103-□□□	
		10:생물서식처공*	01:계획평면도	C0111001-□□□	
			02:표준단면도	C0111002-□□□	
			03:횡단면도	C0111003-□□□	
			04:상세도	C0111004-□□□	
		20:생태습지*	01:계획평면도	C0112001-□□□	
			02:횡단면도	C0112002-□□□	
			03:시설물,식재 계획도	C0112003-□□□	
			04:상세도	C0112004-□□□	
		30:실개천*	01:계획평면도	C0113001-□□□	
			02:횡단면도	C0113002-□□□	
			03:시설물,식재,포장 계획도	C0113003-□□□	
			04:상세도	C0113004-□□□	
		40:생물하중주*	01:계획평면도	C0114001-□□□	
			02:횡단면도	C0114002-□□□	
			03:시설물,식재,포장 계획도	C0114003-□□□	
			04:상세도	C0114004-□□□	
		50:생태통로*	01:계획평면도	C0115001-□□□	

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	011:하천환경공	50:생태통로*	02:종횡단면도	C0115002-□□□	
			03:생태통로 일반도	C0115003-□□□	
			04:생태통로 구조도	C0115004-□□□	
			05:상세도	C0115005-□□□	
		99:기타	01:기타도면	C0119901-□□□	
	012:친수공간	01:공통	01:표지	C0120101-□□□	
			02:목차	C0120102-□□□	
			03:공통사항	C0120103-□□□	
		10:친수하중주*	01:계획평면도	C0121001-□□□	
			02:횡단면도	C0121002-□□□	
			03:시설물,식재 계획도	C0121003-□□□	
			04:상세도	C0121004-□□□	
		20:자연관찰및쉼터*	01:계획평면도	C0122001-□□□	
			02:횡단면도	C0122002-□□□	
			03:시설물,식재,포장 계획도	C0122003-□□□	
			04:상세도	C0122004-□□□	
		30:다목적광장*	01:계획평면도	C0123001-□□□	
			02:횡단면도	C0123002-□□□	
			03:상세도	C0123003-□□□	
		40:자전거도로*	01:평면 및 종단면도	C0124001-□□□	
			02:횡단면도	C0124002-□□□	
			03:상세도	C0124003-□□□	
		50:산책로*	01:평면 및 종단면도	C0125001-□□□	
			02:횡단면도	C0125002-□□□	
			03:상세도	C0125003-□□□	
		60:체육시설*	01:계획평면도	C0126001-□□□	
			02:횡단면도	C0126002-□□□	
			03:상세도	C0126003-□□□	
		99:기타	01:기타도면	C0129901-□□□	
	013:위락시설	01:공통	01:표지	C0130101-□□□	
			02:목차	C0130102-□□□	
			03:공통사항	C0130103-□□□	
		10:수상시설*	01:계획평면도	C0131001-□□□	
			02:입단면도	C0131002-□□□	
			03:시설물 계획도	C0131003-□□□	
			04:상세도	C0131004-□□□	
		20:수변시설*	01:계획평면도	C0132001-□□□	
			02:횡단면도	C0132002-□□□	
			03:시설물,식재,포장 계획도	C0132003-□□□	
			04:상세도	C0132004-□□□	
		30:접안시설*	01:계획평면도	C0133001-□□□	
			02:횡단면도	C0133002-□□□	
			03:시설물,식재,포장 계획도	C0133003-□□□	
			04:상세도	C0133004-□□□	
		99:기타	01:기타도면	C0139901-□□□	
	014:식재포장공	01:공통	01:표지	C0140101-□□□	

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	014:식재포장공	01:공통	02:목차	C0140102-□□□	
			03:공통사항	C0140103-□□□	
		10:식재및포장*	01:식재,포장 계획평면도	C0141001-□□□	
			02:횡단면도	C0141002-□□□	
			03:식재,포장 계획도	C0141003-□□□	
			04:상세도	C0141004-□□□	
		99:기타	01:기타도면	C0141005-□□□	
	015:부대시설공	01:부대일반시설*	01:세륜 시설도	C0150101-□□□	
			02:오탁방지막 시설도	C0150102-□□□	
			03:가물막이 시설도	C0150103-□□□	
			04:철거계획도	C0150104-□□□	
		99:기타	01:기타도면	C0159901-□□□	
	016:용지공	01:편입용지	01:용지도	C0160101-□□□	
		02:지장물	01:지장물도 또는 지하시설물도	C0160201-□□□	
		99:기타	01:기타도면	C0169901-□□□	
	099:기타공	99:기타	01:기타 미 분류 도면	C0999901-□□□	

※ 시설별 부분류 확장(*) 시 제한된 범위내 복수시설 부분류 코드는 20, 21 … 29, 2A, 2B … 와 같이 순차 확장함

2.3 철도공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	100:종합	00:토목종합일반	01:표지 02:목차 04:일반사항 20:연결종합도 21:연결종합용지도 22:종합배치도	C10000NN-□□□	종합도표지, 종합도목차, 사업위치도
		10:토목연결종합		C10010NN-□□□	토목연결종합평면 및 종단면도
		11:노반종합		C10011NN-□□□	노반종합평면 및 종단면도
		12:궤도종합		C10012NN-□□□	궤도종합평면 및 종단면도
		20:기본연결종합		C10020NN-□□□	기본수치지도연결종합도
		21:수치지도종합		C10021NN-□□□	수치지도종합도(기본도)
		22:지장물종합		C10022NN-□□□	지장물및지하시설물종합도
		30:용지연결종합		C10030NN-□□□	용지연결종합도
		31:용지종합		C10031NN-□□□	용지종합도
		99:토목종합기타		C10099NN-□□□	기타 필요한 종합도 보조도면
	200:조사측량	00:조사측량일반	10:지장물도 11:측량도 12:지질주상도 13:용지도 30:노선도 32:현황도	C20000NN-□□□	-
		10:현황측량		C20010NN-□□□	측량현황도, 지형도, 항공측량현황도, 기본지형도
		20:토질조사(보링)		C20020NN-□□□	지질조사위치도, 보링주상평면도, 보링주상종평면도, 보링주상종단면도
		30:지적/용지보상		C20030NN-□□□	용지도, 지적도
		40:지장물		C20040NN-□□□	지장물현황도, 지장물도
		50:지하시설물		C20050NN-□□□	지하시설물현황도, 지하시설물도
		90:부대시설물		C20090NN-□□□	-
		99:기타		C20099NN-□□□	-
	300:토목/노반 310:노반 320:기지 330:토목부지 340:길내기	00:토목/노반 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 07:공정도 10:지장물도 12:지질주상도 27:부설도 30:노선도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 50:이설도 51:철거도 52:복구도 60:전개도 64:배근도 77:계통도 87:제작도	C30000NN-□□□	표지, 간지, 목차
		10:토목/노반 일반		C30010NN-□□□	설계기준, 현황도, 노선도, 표준횡단면도
		11:선형정보		C30011NN-□□□	선형현황도, 좌표전개도, 선형개요도, 노즈부상세도
		20:토공계획		C30020NN-□□□	평면 및 종단면도, 종단면도, 횡단면도, 유토곡선도
		21:옹벽		C30021NN-□□□	옹벽평면도, 옹벽전개도, 옹벽표준단면도, 옹벽상세도
		22:비탈면		C30022NN-□□□	비탈면안정공
		23:연약지반처리		C30023NN-□□□	연약지반처리 관련도면
		24:가시설/가도		C30024NN-□□□	가시설 평면도/종단면도/횡단면도 등
		30:길내기(진입로/도로이설)		C30030NN-□□□	도로계획평면도, 도로평면 및 종단면도, 도로종단면도, 도로횡단면도, 부체도로계획평면/종단/횡단면도, 도로이설평면/종단/횡단면도
		40:구조물(암거/라멘)		C30040NN-□□□	통로암거구조도, 날개벽구조도, 소교량(라멘교량), 구교(함)
		50:우배수계획		C30050NN-□□□	배수계통도, 배수계획평면도/종단면도/횡단면도, 측구계획평면도, 측구현황도
		51:개천내기(하천/수로이설)		C30051NN-□□□	수로이설계획평면/종단면도/횡단면도, 개천내기, 수로일반도, 수로구조도
		52:배수구조물(암거)		C30052NN-□□□	배수구조물횡단면도, 배수구조물도, 배수구조물상세도
		60:상수도계획		C30060NN-□□□	급수계획평면도/종단면도/횡단면도, 관망도
		61:상수구조물		C30061NN-□□□	상수관련 구조물도
		70:하수도계획		C30070NN-□□□	오수계획평면도/종단면도/횡단면도

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	300:토목/노반 310:노반 320:기지 330:토목부지 340:길내기	71:오폐수/하수처리		C30071NN-□□□	폐수처리시설계획평면도/종횡단면도, 하수/오수처리시설계획평면도
		72:하수도구조물		C30072NN-□□□	하수관련 구조물도
		80:포장/주차장계획		C30080NN-□□□	포장계획평면도, 포장단면도, 주차장 배치평면도
		90:부대시설물		C30090NN-□□□	부대시설도
		91:경계 및 울타리		C30091NN-□□□	경계/울타리배치평면도, 울타리상세도
		92:안전시설물		C30092NN-□□□	교통안전시설도, 교통처리계획도, 방호벽, 낙석방지책, 교통표지판
		93:건널목		C30093NN-□□□	건널목계획평면도
		94:지장물		C30094NN-□□□	기타 전기통신구, 공동구, 상.하수도, 기타설비 지하관로 관련도면
		99:기타		C30099NN-□□□	기타 지정되지 않은도면
	400:정거장 410:지상역 420:지하역 430:고가역	00:정거장 공통	01:표지 02:목차 03:범례 04:일반사항 05:설계기준 06:산출표 10:지장물도 12:지질주상도 27:부설도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 50:이설도 51:철거도 52:복구도 60:전개도 64:배근도 85:설치도 87:제작도	C40000NN-□□□	표지, 간지, 목차
		10:정거장 일반		C40010NN-□□□	설계기준, 현황도, 노선도, 표준횡단면도, 기능배치도, 내공치수표
		11:선형정보		C40011NN-□□□	선형현황도, 좌표전개도, 선형개요도, 노즈부상세도
		20:토공계획		C40020NN-□□□	계획평면도, 평면 및 종단면도, 종단면도, 횡단면도, 유토곡선도
		21:옹벽		C40021NN-□□□	옹벽평면도, 옹벽전개도, 옹벽표준단면도, 옹벽상세도
		30:기초		C40030NN-□□□	기초 배치도/평면도
		31:기초상세		C40031NN-□□□	기초 일반도, 구조도, 상세도
		40:지하구조물		C40040NN-□□□	-
		41:본선/개착부		C40041NN-□□□	구조물 일반도, 구조도, 상세도
		42:환기구		C40042NN-□□□	구조물 일반도, 구조도, 상세도
		43:승강장		C40043NN-□□□	구조물 일반도, 구조도, 상세도
		44:연결로/출입구		C40044NN-□□□	구조물 일반도, 구조도, 상세도
		50:하부구조물		C40050NN-□□□	-
		51:교대		C40051NN-□□□	교대 일반도, 구조도, 상세도
		52:교각		C40052NN-□□□	교각 일반도, 구조도, 상세도
		53:하부구조물상세		C40053NN-□□□	하부구조물 일반도, 구조도, 상세도
		60:상부구조물		C40060NN-□□□	-
		61:슬래브		C40061NN-□□□	슬래브 일반도, 구조도, 상세도
		62:거더		C40062NN-□□□	구조물 일반도, 구조도, 상세도
		63:상부구조물상세		C40063NN-□□□	상부구조물 일반도, 구조도, 상세도
		70:기타 구조물		C40070NN-□□□	구조물 일반도, 구조도, 상세도
		71:집수정/정화조		C40071NN-□□□	집수정/정화조 일반도/구조도/상세도
		72:계단/승강시설		C40072NN-□□□	계단/승강시설 일반도/구조도/상세도
		73:마감벽		C40073NN-□□□	마감벽 일반도, 구조도, 상세도
		80:가시설/흙막이		C40080NN-□□□	가시설 및 흙막이 평면도/종단면도/횡단면도
		81:가시설/흙막이상세		C40081NN-□□□	가시설 및 흙막이 상세도
		90:부대시설물		C40090NN-□□□	기타 정거장 부대시설도면
		91:경계 및 울타리		C40091NN-□□□	경계/울타리 배치평면도/상세도
		92:안전시설		C40092NN-□□□	교통안전시설도, 교통처리계획도, 방호벽, 낙석방지책, 교통표지판
		93:건널목		C40093NN-□□□	건널목계획평면도
		94:지장물		C40094NN-□□□	기타 전기통신구, 공동구, 상.하수도, 기타설비 지하관로 관련도면
		99:기타		C40099NN-□□□	기타 미지정 분류도면

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	500:교량 510:일반교량 520:특수교량 530:입체교차 590:기타교량	00:교량 공통	01:표지 02:목차 03:범례 04:일반사항 05:설계기준 06:산출표 10:지장물도 12:지질주상도 27:부설도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 50:이설도 51:철거도 52:복구도 60:전개도 64:배근도 85:설치도 87:제작도	C50000NN-□□□	표지, 간지, 목차
		10:교량 일반		C50010NN-□□□	설계기준, 현황도, 노선도, 일반도, 표준횡단면도, 평면및종단면도, 지질주상관련도면
		20:교량상부/라멘구조		C50020NN-□□□	라멘구조물 또는 암거구조물 일반도, 구조도, 상세도
		21:슬래브		C50021NN-□□□	슬래브 일반도, 구조도, 상세도
		22:거더		C50022NN-□□□	거더 일반도, 구조도, 상세도
		23:강구조		C50023NN-□□□	강구조 교량 평면도/단면도/상세도, 강재 재료표
		24:교량상부 상세		C50024NN-□□□	슈배치도, 신축이음상세도 등 상부공 상세도
		30:교량하부		C50030NN-□□□	교량하부공 도면
		31:교대		C50031NN-□□□	교대 일반도, 구조도, 상세도
		32:교각		C50032NN-□□□	교각 일반도, 구조도, 상세도
		33:기초공		C50033NN-□□□	기초 배치도/평면도
		34:교량하부 상세		C50034NN-□□□	하부구조 상세도
		40:옹벽공		C50040NN-□□□	옹벽 및 날개벽 등의 구조물도
		50:가시설(가도)		C50050NN-□□□	가시설 및 흙막이 평면도/종단면도/횡단면도
		51:가시설(가도) 상세		C50051NN-□□□	가시설 및 흙막이 상세도
		90:부대시설물		C50090NN-□□□	교량의 부대시설 공통
		91:배수시설/집수정		C50091NN-□□□	노반배수, 집수정등 배수관련 구조도
		92:방호/방음벽		C50092NN-□□□	방호벽, 방음벽, 울타리 등
		93:점검시설		C50093NN-□□□	교량점검시설
		94:전기시설 및 관로시설		C50094NN-□□□	전기설비 및 기타 관로설비
		99:기타		C50099NN-□□□	기타 미지정 분류도면
	600:터널 610:일반터널 620:NATM 630:TBM 690:기타터널	00:터널 공통	01:표지 02:목차 03:범례 04:일반사항 05:설계기준 06:산출표 07:공정도 10:지장물도 11:측량도 12:지질주상도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 44:패턴도 45:시공도 60:전개도 62:골조도 63:구조도 64:배근도 77:계통도 85:설치도 87:제작도	C60000NN-□□□	표지, 간지, 목차
		10:터널 일반		C60010NN-□□□	설계기준, 현황도, 노선도, 일반도, 표준횡단면도, 평면및종단면도, 지질주상관련도면, 내공치수표
		20:주공종		C60020NN-□□□	-
		21:지보		C60021NN-□□□	표준지보패턴, 표준지보공도, 강지보공상세도
		22:굴착		C60022NN-□□□	시공순서도, 절개천공
		23:발파		C60023NN-□□□	발파패턴도
		30:보조공종		C60030NN-□□□	-
		31:배수/방수		C60031NN-□□□	배수 및 방수관련 도면
		32:거푸집		C60032NN-□□□	강재거푸집상세도
		33:라이닝/그라우팅		C60033NN-□□□	라이닝 및 그라우팅 상세도 및 시공순서도 등
		40:갱구부/개착부		C60040NN-□□□	시종점부 갱문평면도/일반도/상세도, 시종점부 횡단면도
		50:피난갱/대피소/사갱		C60050NN-□□□	가시설 관련도면, 법면보호, 가도로, 철근보강도
		60:계측		C60060NN-□□□	대피소(피난갱) 관련도면
		90:부대시설물		C60090NN-□□□	-
		91:오탁수/폐수		C60091NN-□□□	오탁수/폐수처리 계획도, 세륜세차시설도, 오탁수처리시설상세도
		92:터널설비		C60092NN-□□□	-
		93:전기설비		C60093NN-□□□	전기설비 관련도면
		94:방재/검지설비		C60094NN-□□□	-
		95:기계설비		C60095NN-□□□	-

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목		96:건축설비		C60096NN-□□□	-
		99:기타		C60099NN-□□□	-
	700:기타 토목시설 710:급수/정수시설 720:오수처리시설 730:폐수처리시설 790:기타시설	00:기타 토목시설 공통	01:표지 02:목차 32:현황도 34:종단면도 35:횡단면도 38:상세도 41:일반도 64:배근도 87:제작도	C70000NN-□□□	-
		10:기타 토목시설 일반		C70010NN-□□□	-
		99:기타 토목시설 기타		C70099NN-□□□	-
	900:궤도	00:궤도 공통	01:표지 02:목차 03:범례 23:선로일람약도 26:배선도 27:부설도 30:노선도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 47:용품도 50:이설도 51:철거도 52:복구도 64:배근도 85:설치도 87:제작도	C90000NN-□□□	표지, 간지, 도면목차, 노선도
		10:선로 일반		C90010NN-□□□	설계기준, 차량 및 건축한계표준도
		11:선로계획		C90011NN-□□□	배선약도, 선로종평면도, 정거장평면도, 선형현황도, 선형개요도
		12:도상표준단면		C90012NN-□□□	도상표준단면도(자갈, 콘크리트 등)
		13:궤도부설		C90013NN-□□□	궤도부설도
		14:궤도철거/이설		C90014NN-□□□	궤도철거현황도
		20:시공계획		C90020NN-□□□	단계별시공순서도, 단계별열차운행선변경도
		21:시공일반		C90021NN-□□□	곡선현황도, 구배현황도, 캔트체감곡선도, 도상배수공, 도상구조도, 궤도부설 공정흐름도, 신축이음 시공관련도면 등
		22:선로용품		C90022NN-□□□	조립도, 일반용품도, 분기기용품도, 선로제표용품도, 기타 선로용품도
		90:부대시설물		C90090NN-□□□	-
		99:기타		C90099NN-□□□	-
	Z00:기타 토목	90:토목 기타	NN:해당 통합소분류코드	CZ0090NN-□□□	미지정 토목시설 도면

2.4 항만공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	000:종합	01:종합시설계획도	01:종합계획평면도	C0000101-□□□	0:종합
		02:종합용지도	01:종합용지도/지장물도	C0010201-□□□	
	100:공통	01:일반	01:표지	C1000101-□□□	1:공통
			02:목차	C1000102-□□□	
			03:개요	C1000103-□□□	
			04:설계기준	C1000104-□□□	
		02:공통	01:범례및공통도면	C1000201-□□□	
			02:위치도	C1000202-□□□	
			03:현황및수심평면도	C1000203-□□□	
			04:전체계획평면도	C1000204-□□□	
			05:전체용지도	C1000205-□□□	
			06:지질조사위치도/주상도	C1000206-□□□	
			07:계획평면도	C1000207-□□□	
		99:기타	01:기타공통도면	C1009901-□□□	
	200:항로 210:박지 220:선회장	01:일반	01:준설일반도면	C2000101-□□□	2:수역시설
		02:준설	01:준설계획평면및종단면도	C2000201-□□□	
			02:준설수심평면도/수심도	C2000202-□□□	
			03:준설횡단면도	C2000203-□□□	
			04:부속시설도및상세도	C2000204-□□□	
		99:준설기타	01:기타도면	C2009901-□□□	
	290:미분류수역시설	01:일반	01:기타공사일반도면	C2900101-□□□	
		02:수역시설기타	01:기타공사일반평면도	C2900201-□□□	
			02:부속시설도및상세도	C2900202-□□□	
		99:기타	01:기타도면	C2909901-□□□	
	300:방파제(제방)	01:일반	01:방파제(제방)일반도면	C3000101-□□□	3:외곽시설
		02:방파제(제방)	01:방파제(제방)표준단면도	C3000201-□□□	
			02:평면및종단면도	C3000202-□□□	
			03:횡단면도	C3000203-□□□	
			04:케이슨/블록/파일배열및상세도	C3000204-□□□	
			05:부속시설도및상세도	C3000205-□□□	
		99:제방기타	01:기타도면	C3009901-□□□	
	310:호안	01:일반	01:호안일반도면	C3100101-□□□	
		02:호안	01:호안표준단면도및공종도	C3100201-□□□	
			02:호안평면도/정면도/종단면도	C3100202-□□□	
			03:호안횡단면도	C3100203-□□□	
			04:케이슨/블록/파일배열및상세도	C3100204-□□□	
			05:부속시설도및상세도	C3100205-□□□	
		99:호안기타	01:기타도면	C3109901-□□□	
	320:잠제	01:일반	01:잠제일반도면	C3200101-□□□	분과위 요청
		02:잠제	01:잠제표준단면도및공종도	C3200201-□□□	
			02:잠제평면도/정면도/종단면도	C3200202-□□□	
			03:잠제횡단면도	C3200203-□□□	
			04:케이슨/블록/파일배열및상세도	C3200204-□□□	

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	320:잠제	02:잠제	05:부속시설도및상세도	C3200205-□□□	
		99:잠제기타	01:기타도면	C3209901-□□□	
	330:준설토투기장	01:일반	01:투기장일반도면	C3300101-□□□	
		02:준설토투기장	01:투기장표준단면도및공종도	C3300201-□□□	
			02:투기장평면도/정면도/종단면도	C3300202-□□□	
			03:투기장횡단면도	C3300203-□□□	
			04:케이슨/블록/파일배열및상세도	C3300204-□□□	
			05:부속시설도및상세도	C3300205-□□□	
		99:준설토투기장기타	01:기타도면	C3309901-□□□	
	340:수문	01:일반	01:수문공통도면	C3400101-□□□	
		02:수문	01:수문배치도	C3400201-□□□	
			02:수문구조도	C3400202-□□□	
			03:수문설비도	C3400203-□□□	
			04:부속시설및상세도	C3400204-□□□	
		99:수문기타	01:기타도면	C3409901-□□□	
	350:갑문	01:일반	00:갑문종합시설도면	C3500101-□□□	
		02:갑문토목	01:계획평면도	C3500201-□□□	
			02:갑문갑실구조도	C3500202-□□□	
			03:기타구조도및상세도	C3500203-□□□	
		03:갑문건축	01:건축일반도	C3500301-□□□	
			02:건축구조도	C3500302-□□□	
			04:기타건축상세도	C3500303-□□□	
		04:갑문기계설비	01:갑문설비일반도	C3500401-□□□	
			02:갑문구동설비도	C3500402-□□□	
			03:취배수문설비도	C3500403-□□□	
			04:충수설비도	C3500404-□□□	
			05:기타갑문설비도	C3500405-□□□	
		05:갑문전기설비	01:갑문전기일반도	C3500501-□□□	
			02:배변전설비도	C3500502-□□□	
			03:비상발전설비도	C3500503-□□□	
			04:조명설비도	C3500504-□□□	
			05:기타갑문전기도	C3500505-□□□	
		06:갑문조경	01:조경계획평면	C3500601-□□□	
			02:식재및시설도	C3500602-□□□	
			03:기타조경도	C3500603-□□□	
		07:부대시설	01:갑문부대시설도	C3500701-□□□	
			02:기타부대시설도	C3500702-□□□	
		99:갑문기타	01:갑문기타도면	C3509901-□□□	
	390:미분류 외곽시설	01:일반	01:기타공사일반도면	C3900101-□□□	
		02:외곽시설기타	01:기타공사일반평면도	C3900201-□□□	
			02:부속시설도및상세도	C3900202-□□□	
		99:기타	01:기타도면	C3909901-□□□	
	400:안벽	01:일반	01:안벽일반도면	C4000101-□□□	4:계류시설
		02:안벽	01:안벽표준단면도및공종도	C4000201-□□□	
			02:안벽평면및종단면도	C4000202-□□□	
			03:횡단면도	C4000203-□□□	
			04:케이슨/블록/파일배열및상세도	C4000204-□□□	

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	400:안벽	02:안벽	05:상치콘크리트계획도	C4000205-□□□	
			06:크레인기초평면및상세시설도	C4000206-□□□	
			07:부속시설도및상세도	C4000207-□□□	
		99:안벽기타	01:기타도면	C4009901-□□□	
	410:물양장/선양장	01:일반	01:일반도면	C4100101-□□□	
		02:물양장/선양장	01:표준단면도및공종도	C4100201-□□□	
			02:종평면도및정면도	C4100202-□□□	
			03:횡단면도	C4100203-□□□	
			04:케이슨/블록/파일배열및상세도	C4100204-□□□	
			05:부속시설도및상세도	C4100205-□□□	
		99:물양장기타	01:기타도면	C4109901-□□□	
	420:상부시설	01:일반	01:상부시설/포장일반도면	C4200101-□□□	
		02:상부시설	01:계획평면도	C4200201-□□□	
			02:표준횡단면도	C4200202-□□□	
			03:기초배열및구조물도	C4200203-□□□	
			04:부속시설도및상세도	C4200204-□□□	
		03:토공사	01:토공평면및종단면도	C4200301-□□□	
			02:횡단면도	C4200302-□□□	
			03:부속시설도및상세도	C4200303-□□□	
		04:포장공	01:포장계획평면도	C4200401-□□□	
			02:포장단면도및상세도	C4200402-□□□	
			03:포장기타도면	C4200403-□□□	
		05:상수도	01:계획평면도	C4200501-□□□	
			02:평면및종단면도	C4200502-□□□	
			03:상세도 및 기타도면	C4200503-□□□	
		06:하수도	01:계획평면도	C4200601-□□□	
			02:평면및종단면도	C4200602-□□□	
			03:상세도 및 기타도면	C4200603-□□□	
		07:우배수	01:계획평면도	C4200701-□□□	
			02:평면및종단면도	C4200702-□□□	
			03:상세도 및 기타도면	C4200703-□□□	
		08:조경	01:조경계획평면	C4200801-□□□	
			02:식재및시설도	C4200802-□□□	
			03:기타조경도	C4200803-□□□	
		09:부대공	01:부대시설도	C4200901-□□□	
			02:차선도색및상세도	C4200902-□□□	
		10:공동구	01:공동구계획도	C5001001-□□□	
			02:공동구상세도	C5001002-□□□	
		11:선박급수시설	01:전체급수계획평면도	C4201101-□□□	
			02:급수계획평면도및관망도	C4201102-□□□	
			03:부속시설도및상세도	C4201103-□□□	
		12:선박급유시설	01:급유시설계획도	C4201201-□□□	
		13:게이트및울타리	01:계획평면도	C4201301-□□□	
			02:게이트및울타리상세도	C4201402-□□□	
		99:기타공	01:기타도면	C4209901-□□□	
		01:일반	01:지반개량일반도면	C4300101-□□□	
			01:표준단면도	C4300201-□□□	

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	430:지반개량공	02:지반개량	02:지반개량계획평면도	C4300202-□□□	
			03:횡단면도	C4300203-□□□	
			04:부속시설도및상세도	C4300204-□□□	
		99:기타	01:기타도면	C4309901-□□□	
	440:부잔교/함선	01:일반	01:일반도면	C4400101-□□□	
		02:부잔교/함선	01:일반평면도	C4400201-□□□	
			02:구조물배열도및전개도	C4400202-□□□	
			03:부속시설도및상세도	C4400203-□□□	
		99:기타	01:기타도면	C4409901-□□□	
	450:돌핀	01:일반	01:돌핀일반도면	C4500101-□□□	
		02:돌핀	01:돌핀표준단면도	C4500201-□□□	
			02:평면및종단면도	C4500202-□□□	
			03:횡단면도	C4500203-□□□	
			04:케이슨/블록/파일배열및상세도	C4500204-□□□	
			05:부속시설도및상세도	C4500205-□□□	
		99:기타	01:기타도면	C4509901-□□□	
	490:미분류 계류시설	01:일반	01:기타공사일반도면	C4900101-□□□	
		02:계류시설기타공사	01:기타공사일반평면도	C4900201-□□□	
			02:부속시설도및상세도	C4900202-□□□	
		99:기타	01:기타도면	C4909901-□□□	
	500:항만배후단지 510:여객터미널 520:화물터미널 530:야적장 540:컨테이너장치장	01:일반	01:일반도면	C5000101-□□□	5:기능시설
		02:도로및주차장	01:계획평면도	C5000201-□□□	
			02:도로및주차장상세도	C5000202-□□□	
		03:토공사	01:토공평면및종단면도	C5000301-□□□	
			02:횡단면도	C5000302-□□□	
			03:부속시설도및상세도	C5000303-□□□	
		04:포장공	01:포장계획평면도	C5000401-□□□	
			02:포장단면도및상세도	C5000402-□□□	
			03:포장기타도면	C5000403-□□□	
		05:상수도	01:계획평면도	C5000501-□□□	
			02:평면및종단면도	C5000502-□□□	
			03:상세도 및 기타도면	C5000503-□□□	
		06:하수도	01:계획평면도	C5000601-□□□	
			02:평면및종단면도	C5000602-□□□	
			03:상세도 및 기타도면	C5000603-□□□	
		07:우배수	01:계획평면도	C5000701-□□□	
			02:평면및종단면도	C5000702-□□□	
			03:상세도 및 기타도면	C5000703-□□□	
		08:조경	01:조경계획평면	C5000801-□□□	
			02:식재및시설도	C5000802-□□□	
			03:기타조경도	C5000803-□□□	
		09:부대공	01:부대시설도	C5000901-□□□	
			02:차선도색및상세도	C5000902-□□□	
		10:공동구	01:공동구계획도	C5001001-□□□	
			02:공동구상세도	C5001002-□□□	
	500:항만배후단지 510:여객터미널	11:선박급수시설	01:전체급수계획평면도	C5001101-□□□	
			02:급수계획평면도및관망도	C5001102-□□□	
			03:부속시설도및상세도	C5001103-□□□	

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대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	520:화물터미널 530:야적장 540:컨테이너장치장	12:선박급유시설	01:급유시설계획도	C5001201-□□□	
		13:게이트및울타리	01:계획평면도	C5001301-□□□	
			02:게이트및울타리상세도	C5001302-□□□	
		99:기타공	01:기타도면	C5009901-□□□	
	600:도로시설	01:일반	01:일반도면	C6000101-□□□	6:임항교통
		02:도로	01:계획평면및종단면도	C6000201-□□□	
			02:토공횡단면도및상세도면	C6000202-□□□	
			03:배수계획평면및종단면도	C6000203-□□□	
			04:배수횡단및상세도면	C6000204-□□□	
			05:포장계획평면도	C6000205-□□□	
			06:포장단면도및상세도면	C6000206-□□□	
			07:부대및교통안전시설도	C6000207-□□□	
			08:부대공기타및상세도면	C6000208-□□□	
			09:용지도및지하시설물도	C6000209-□□□	
		99:기타공	01:도로기타도면	C6009901-□□□	
	620:철도시설	01:일반	01:일반도면	C6200101-□□□	
		02:철도	01:계획평면및종단면도	C6200201-□□□	
			02:토공횡단면도및상세도면	C6200202-□□□	
			03:배수계획평면및종단면도	C6200203-□□□	
			04:배수횡단및상세도면	C6200204-□□□	
			05:부대시설도및건널목	C6200205-□□□	
	620:철도시설	02:철도	06:부대공기타및상세도면	C6200206-□□□	
			07:용지도및지하시설물도	C6200207-□□□	
		99:기타공	01:철도기타도면	C6209901-□□□	
	630:구조물공	01:공통	01:공통사항	C6300101-□□□	
		02:교량(구조물)	01:평면및종단면도/지질	C6300201-□□□	
			02:상부구조도	C6300202-□□□	
			03:하부(기초)구조도	C6300203-□□□	
			04:부대시설도면및기타도면	C6300204-□□□	
		90:옹벽공	01:옹벽구조도	C6309001-□□□	
		99:기타 구조물	01:기타구조도면	C6309901-□□□	
	700:항만친수시설 710:해양레저시설 720:인공해변습지 730:자연학습장 740:체육공원시설	01:일반	01:일반도면	C7000101-□□□	7:친수시설
		02:항만친수시설	01:계획평면도	C7000201-□□□	
			02:종횡단면도	C7000202-□□□	
			03:친수시설도면	C7000203-□□□	
			04:식재조경시설	C7000204-□□□	
			05:건축시설도면	C7000205-□□□	
			06:전기및설비도면	C7000206-□□□	
			08:기타시설도면	C7000207-□□□	
		99:기타친수시설	01:기타친수시설도면	C7009901-□□□	
	800:항로표지시설	01:일반	01:일반도면	C8000101-□□□	8:항만부대
		02:항로표지	01:항로표지설치도	C8000201-□□□	
		03:등대공	01:등대시설도	C8000301-□□□	
			02:등대상세도	C8000302-□□□	
		99:기타공	01:기타항로표지도면	C8009901-□□□	
	810:공해방지시	01:일반	01:일반도면	C8100101-□□□	
			01:계획평면도	C8100201-□□□	
			02:종횡단면도	C8100202-□□□	

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
C:토목	설 820:오수처리장 830:폐수처리장 840:오폐수처리장 850:쓰레기처리장 860:폐유폐선처리장	02:처리장	03:구조도면	C8100203-□□□	
			04:관로도면	C8100204-□□□	
			05:상세도	C8100205-□□□	
			06:부대시설도	C8100206-□□□	
			07:건축도면	C8100207-□□□	
			08:기계설비도면	C8100208-□□□	
			09:전기및제어설비도면	C8100209-□□□	
			10:기타도면	C8100210-□□□	
		03:오탁방지막	01:오탁방지막도면	C8103001-□□□	
		99:기타방지시설	01:기타공해방지도면	C8109901-□□□	
	880:항만부대시설	01:항만부대시설	01:항만부대시설도면	C8800101-□□□	
		99:기타항만부대	01:기타항만부대시설도	C8809901-□□□	
	900:항만기타	01:기타	01:항만기타미분류도면	C9000101-□□□	9:항만기타

3. 건축분야 도면번호 목록

3.1 일반 건축공사 도면번호 목록

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
A:건축			00:공통도면	A00-□□□	
			01:표지	A01-□□□	
			02:도면목록	A02-□□□	
			03:투시도 또는 조감도	A03-□□□	
			04:일반사항	A04-□□□	
			09:기타	A09-□□□	
			10:개요	A10-□□□	
			11:설계개요	A11-□□□	
			12:안내도/지적도	A12-□□□	
			13:구적도/구적표	A13-□□□	
			14:배치도, 대지종횡단면도	A14-□□□	
			15:주차계획도	A15-□□□	
			16:면적산출표	A16-□□□	
			17:각종계획도	A17-□□□	
			19:기타	A19-□□□	
			20:마감	A20-□□□	
			21:실내재료마감표	A21-□□□	
			22:표준마감상세도	A22-□□□	
			29:기타	A29-□□□	
			30:기본도면	A30-□□□	
			31:평면도	A31-□□□	
			32:입면도	A32-□□□	
			33:주단면도	A33-□□□	
			39:기타	A39-□□□	
			40:수직수평동선관련상세도	A40-□□□	
			41:코아상세도	A41-□□□	
			42:계단상세도	A42-□□□	
			43:승강기.샤프트상세도	A43-□□□	
			44:주차경사로상세도	A44-□□□	
			45:주차리프트상세도	A45-□□□	
			49:기타	A49-□□□	
			50:부분상세도	A50-□□□	
			51:평면상세도	A51-□□□	
			52:입단면상세도	A52-□□□	
			53:출입구상세도	A53-□□□	
			54:내부벽체일람표	A54-□□□	
			59:기타	A59-□□□	

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
A:건축			60:창호도	A60-□□□	
			61:창호평면도	A61-□□□	
			62:창호일람표	A62-□□□	
			63:창호상세도	A63-□□□	
			64:창호입면도	A64-□□□	
			65:창호잡철물목록	A65-□□□	
			69:기타	A69-□□□	
			70:내부전개도	A70-□□□	
			71:천장도(평면 및 상세도)	A71-□□□	
			72:로비관련도면	A72-□□□	
			73:주요실전개도	A73-□□□	
			74:승강기홀전개도	A74-□□□	
			75:화장실전개도	A75-□□□	
			76:칸막이전개도	A76-□□□	
			79:기타	A79-□□□	
			90:기타분야	A90-□□□	
			91:정화조	A91-□□□	
			92:소음 및 방음	A92-□□□	
			93:무대 또는 조명	A93-□□□	
			94:주방	A94-□□□	
			95:음향	A95-□□□	
			96:전시	A96-□□□	
			99:기타	A99-□□□	
S:구조			00:공통도면	S00-□□□	
			01:표지	S01-□□□	
			02:도면목록	S02-□□□	
			03:일반사항	S03-□□□	
			09:기타	S09-□□□	
			10:위치도	S10-□□□	
			11:기초위치도	S11-□□□	
			12:기둥중심도	S12-□□□	
			19:기타	S19-□□□	
			20:구조평면도	S20-□□□	
			21:평면도	S21-□□□	
			29:기타	S29-□□□	
			30:RC일람표	S30-□□□	
			31:기초일람표	S31-□□□	
			32:기둥일람표	S32-□□□	
			33:콘크리트벽일람표	S33-□□□	
			34:보일람표	S34-□□□	
			35:슬래브일람표	S35-□□□	
			36:벽개구부일람표	S36-□□□	
			39:기타	S39-□□□	

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
S:구조			40:RC구조상세도	S40-□□□	
			41:RC평면상세도	S41-□□□	
			42:RC단면상세도	S42-□□□	
			43:잡배근상세도	S43-□□□	
			49:기타	S49-□□□	
			50:철골일람표	S50-□□□	
			51:철골기둥일람표	S51-□□□	
			52:베이스플레이트일람표	S52-□□□	
			53:기둥접합상세도	S53-□□□	
			54:철골보일람표	S54-□□□	
			55:보접합상세도	S55-□□□	
			56:기타접합상세도	S56-□□□	
			59:기타	S59-□□□	
			60:철골구조상세도	S60-□□□	
			61:철골평면상세도	S61-□□□	
			62:철골단면상세도	S62-□□□	
			69:기타	S69-□□□	
			90:기타	S90-□□□	
			91:데크플레이트 상세도	S91-□□□	
			99:기타	S99-□□□	

3.2 철도 건축공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
A:건축	100:종합	00:건축종합일반	01:표지 02:목차 04:일반사항 22:종합배치도	A10000NN-□□□	종합도표지, 종합도목차, 사업위치도
		10:건축배치종합		A10010NN-□□□	건축배치종합도, 투시도, 조감도
		20:건축평면종합		A10020NN-□□□	건축평면종합도(건축, 건축구조 전반)
		30:종합용지		A10030NN-□□□	건축용지종합도
		99:건축종합 기타		A10099NN-□□□	기타 필요한 종합도 보조도면
	200:건축 210:정거장/역사 220:관리동/사무동 230:차량유지관리동 240:전력공급/통제동 250:부대 건축물 290:기타 건축물	00:건축 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 08:안내도 14:구적도 31:위치도 34:종평면도 35:횡단면도 38:상세도 40:조감도 41:일반도 43:입면도 65:단면도 66:배치도 85:설치도	A20000NN-□□□	표지, 간지, 목차, 투시도/조감도, 범례
		10:건축 일반/부지		A20010NN-□□□	설계개요 및 일반사항, 안내도/지적도, 부지계획도, 배치도, 구적도/구적표, 종단면도, 횡단면도, 지적도, 우배수계획, 오폐수계획, 상수도계획 등
		20:건축마감		A20020NN-□□□	실내재료마감표, 표준마감상세도
		30:건축기본		A20030NN-□□□	평면도, 입면도, 주단면도, 측면도, 배면도
		40:건축수직동선		A20040NN-□□□	수직동선관련상세도, 코아상세도, 계단상세도, 주차경사로, 승강기상세도, 주차리프트상세도
		50:건축부분상세		A20050NN-□□□	주요부분상세도, 출입구상세도, 외벽상세도, 평 · 단면상세도, 내벽상세도
		60:건축창호		A20060NN-□□□	창호일람표, 창호평면도, 창호입면도, 창호상세도, 창호잡철물
		70:건축내부전개		A20070NN-□□□	천장도, 로비관련도면, 승강기홀전개도, 화장실전개도, 칸막이전개도
		90:부대시설물		A20090NN-□□□	-
		99:기타		A20099NN-□□□	-
	300:건축구조 310:정거장/역사 320:관리동/사무동 330:차량유지관리동 340:전력공급/통제동 350:부대 건축물 390:기타 건축물	00:건축구조 공통	01:표지 02:목차 04:일반사항 06:산출표 34:종평면도 35:횡단면도 38:상세도 41:일반도 43:입면도 64:배근도 65:단면도 66:배치도 87:제작도	A30000NN-□□□	표지, 간지, 목차, 범례
		10:건축구조 일반		A30000NN-□□□	설계개요 및 일반사항, 표준도
		20:건축기초/기둥		A30020NN-□□□	기초평면도, 기둥위치도
		30:구조기본		A30030NN-□□□	구조평면도
		40:RC일람		A30040NN-□□□	기초배근일람표, 기둥배근일람표, 보배근일람표, 벽체배근도, 슬래브배근도, 개구부일람표
		50:RC상세		A30050NN-□□□	구조단면도, 구조배근단면도, 잡배근상세도
		60:철골일람		A30060NN-□□□	철골일람표, 기둥일람표, 보일람표, 접합상세도, 베이스플레이트 일람표, 브라켓상세일람표
		70:철골상세		A30070NN-□□□	철골구조평면도, 철골구조단면도, 골조도, 관련상세도
		90:부대시설물		A30090NN-□□□	데크플레이트상세도
		99:기타		A30099NN-□□□	-
	Z00:기타 건축	90:건축 기타	NN:해당 통합소분류코드	AZ0090NN-□□□	미지정 건축도면

4. 기계설비분야 도면번호 목록

4.1 일반 기계설비공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
M:기계	일반		00:일반	M00-□□□	
			01:표지	M01-□□□	
			02:도면목록표	M02-□□□	
			03:범례	M03-□□□	
			04:장비일람표	M04-□□□	
			05:흐름도	M05-□□□	
			06:배치도	M06-□□□	
			09:기타	M09-□□□	
	공통설비		10: 공통	M10-□□□	
			11: 계통도	M11-□□□	
			12: 평입단면도	M12-□□□	
			13: 확대평면도	M13-□□□	
			14: 상세도	M14-□□□	
			19: 기타	M19-□□□	
	공조배관설비		20: 공통	M20-□□□	
			21: 계통도	M21-□□□	
			22: 평입단면도	M22-□□□	
			23: 확대평면도	M23-□□□	
			24: 상세도	M24-□□□	
			29: 기 타	M29-□□□	
	위생배관설비		30: 공통	M30-□□□	
			31: 계통도	M31-□□□	
			32: 평입단면도	M32-□□□	
			33: 확대평면도	M33-□□□	
			34: 상세도	M34-□□□	
			39: 기 타	M39-□□□	
	공조및환기덕트		40: 공통	M40-□□□	
			41: 계통도	M41-□□□	
			42: 평입단면도	M42-□□□	
			43: 확대평면도	M43-□□□	
			44: 상세도	M44-□□□	
			49: 기 타	M49-□□□	
	자동제어설비		50: 공통	M50-□□□	
			51: 계통도	M51-□□□	
			52: 평입단면도	M52-□□□	
			53: 확대평면도	M53-□□□	
			54: 상세도	M54-□□□	
			59: 기 타	M59-□□□	

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
M:기계	가스설비		60: 공통	M60-□□□	
			61: 계통도	M61-□□□	
			62: 평입단면도	M62-□□□	
			63: 확대평면도	M63-□□□	
			64: 상세도	M64-□□□	
			69: 기 타	M69-□□□	
	방재설비		80: 공통	M80-□□□	
			81: 계통도	M81-□□□	
			82: 평입단면도	M82-□□□	
			83: 확대평면도	M83-□□□	
			84: 상세도	M84-□□□	
			89: 기 타	M89-□□□	
	기타		90: 공통	M90-□□□	
			91: 계통도	M91-□□□	
			92: 평입단면도	M92-□□□	
			93: 확대평면도	M93-□□□	
			94: 상세도	M94-□□□	
			99: 기타	M99-□□□	

4.2 철도 기계설비공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
M:기계설비	100:종합	00:설비종합일반	01:표지 02:목차 04:일반사항 22:종합배치도	M10000NN-□□□	종합도표지, 종합도목차, 사업위치도
		10:옥외설비종합		M10010NN-□□□	옥외기계설비종합도
		20:옥내설비종합		M10020NN-□□□	옥내설비종합도(건축설비 전반)
		99:설비종합 기타		M10099NN-□□□	기타 필요한 종합도 보조도면
	200:건축설비 210:정거장/역사 220:관리동/사무동 230:차량유지관리동 240:전력공급/통제동 250:부대 건축물 290:기타 건축물	00:건축설비 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 07:공정도 27:부설도 32:현황도 34:종평면도 38:상세도 41:일반도 43:입면도 60:전개도 64:배근도 65:단면도 66:배치도 77:계통도 87:제작도	M20000NN-□□□	표지, 간지, 목차, 범례
		10:건축설비 일반		M20010NN-□□□	설비개요 및 일반사항, 설비현황도, 종단면도, 횡단면도, 배치도, 장비일람표, 열원공급계통도, 기계실관련도면, 기계기초 및 방진관련도면, 일반상세도, 저수조 등 제반 상세도 / 공조/냉난방/위생설비 등 설비복합 도면구성 관련도면
		20:공조덕트설비		M20020NN-□□□	공조덕트 계통도/평면도/단면도/상세도
		30:냉난방(공조배관)설비		M20030NN-□□□	냉난방배관 계통도/평면도/단면도, 공조배관 계통도/평면도/단면도/상세도
		40:위생배관설비		M20040NN-□□□	위생배관 계통도/평면도/단면도, 화장실 확대배관평면도, 주방배관평면도, 관련 상세도
		50:소방설비		M20050NN-□□□	소화옥외배치도, 소화배관계통도, 소화배관평면도, 소화상세도, 제연설비평면도, 관련 상세도
		60:가스설비		M20060NN-□□□	가스설비계통도, 가스배관평면도, 가스배관상세도
		70:자동제어설비		M20070NN-□□□	자동제어범례 및 기기일람표, 중앙관제시스템일람표, 일람표, 자동제어 계통도/평면도, 관련상세도
		90:부대시설물		M20090NN-□□□	-
		99:기타		M20099NN-□□□	-
	300:기계장비	00:기계장비 공통	01:표지 02:목차 06:산출표 34:종평면도 38:상세도 41:일반도 43:입면도 65:단면도 85:설치도 87:제작도	M30000NN-□□□	-
		10:공작기계		M30010NN-□□□	-
		20:시험기계		M30020NN-□□□	-
		30:운반기계		M30030NN-□□□	-
		40:산업기계		M30040NN-□□□	-
		50:전기기계		M30050NN-□□□	-
		60:검수기계		M30060NN-□□□	-
		70:사고복구장비		M30070NN-□□□	-
		80:잡기계		M30080NN-□□□	-
		90:부대시설물		M30090NN-□□□	-
		99:기타		M30099NN-□□□	-
	Z00:기타 기계설비	90:기타설비 기타	NN:해당 통합소분류코드	MZ0090NN-□□□	미지정 기계설비 도면

5. 전기설비분야 도면번호 목록

5.1 일반 전기설비공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
E:전기	일반		00: 일반도	E00-□□□	
			01: 표지	E01-□□□	
			02: 도면목록표	E02-□□□	
			03: 범례	E03-□□□	
			04: 배치도	E04-□□□	
			05: 일람표	E05-□□□	
			09: 기타	E09-□□□	
	공통설비		10: 공통	E10-□□□	
			11: 계통도	E11-□□□	
			12: 결선도	E12-□□□	
			13: 평입단면도	E13-□□□	
			14: 상세도	E14-□□□	
			19: 기타	E19-□□□	
	전력공급설비		20: 공통	E20-□□□	
			21: 계통도	E21-□□□	
			22: 결선도	E22-□□□	
			23: 평입단면도	E23-□□□	
			24: 상세도	E24-□□□	
			29: 기타	E29-□□□	
	간선 및 동력 설비		30: 공통	E30-□□□	
			31: 계통도	E31-□□□	
			32: 결선도	E32-□□□	
			33: 평입단면도	E33-□□□	
			34: 상세도	E34-□□□	
			39: 기타	E39-□□□	
	전열설비		40: 공통	E40-□□□	
			41: 계통도	E41-□□□	
			42: 평입단면도	E42-□□□	
			43: 상세도	E43-□□□	
			49: 기타	E49-□□□	
	조명설비		50: 공통	E50-□□□	
			51: 계통도	E51-□□□	
			52: 결선도	E52-□□□	
			53: 평입단면도	E53-□□□	
			54: 상세도	E54-□□□	
			59: 기타	E59-□□□	

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
E:전기	자동제어설비		60: 공통	E60-□□□	
			61: 계통도	E61-□□□	
			62: 결선도	E62-□□□	
			63: 평입단면도	E63-□□□	
			64: 상세도	E64-□□□	
			69: 기타	E69-□□□	
	방재설비		80: 공통	E80-□□□	
			81: 계통도	E81-□□□	
			82: 결선도	E82-□□□	
			83: 평입단면도	E83-□□□	
			84: 상세도	E84-□□□	
			89: 기타	E89-□□□	
	기타		90: 공통	E90-□□□	
			91: 배치도	E91-□□□	
			92: 계통도	E92-□□□	
			93: 결선도	E93-□□□	
			94: 평입단면도	E94-□□□	
			95: 상세도	E95-□□□	
			99: 기타	E99-□□□	

5.2 철도 전기설비공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
E:전기	100:종합	00:전기종합일반	01:표지 02:목차 04:일반사항 20:연결종합도 21:연결종합용지도 22:종합배치도	E10000NN-□□□	종합도표지, 종합도목차, 사업위치도
		10:송전연결종합		E10010NN-□□□	송전연결종합평면 및 종단면도
		11:송전종합		E10011NN-□□□	송전종합평면 및 종단면도
		20:변전연결종합		E10020NN-□□□	변전연결종합도
		21:변전종합		E10021NN-□□□	변전종합도
		40:철도전기연결종합		E10040NN-□□□	철도전기연결종합도
		41:배전종합		E10041NN-□□□	배전종합도
		42:전차선종합		E10042NN-□□□	전차선종합도
		43:원격제어종합		E10043NN-□□□	원격제어종합도
		50:신호연결종합		E10050NN-□□□	철도신호연결종합도
		51:신호종합		E10051NN-□□□	철도신호종합도
		99:전기종합기타		E10099NN-□□□	기타 필요한 종합도 보조도면
	200:송전설비	00:송전설비 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 13:용지도 26:배선도 27:부설도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 64:배근도 71:전선로도 72:포설도 77:계통도 79:결선도	E20000NN-□□□	표지, 목차, 개요, 범례
		10:송전설비 일반		E20010NN-□□□	경과지형도, 한전전력수급계통도, 기타계통도관련도면, 진입로현황도, 진입로용지도
		20:가공송전		E20020NN-□□□	송전선로종평면도, 송전선로횡단면도, 철탑부지용지도, 부지대각도, 송전선로수량표
		21:철탑및철주		E20021NN-□□□	송전선로철탑상세도, 철탑기초상세도, 철탑접지관련도면, 케이블헤드관련도면
		22:애자		E20022NN-□□□	애자상세도
		23:항공장애등		E20023NN-□□□	장애등 설치도, 설치도, 등
		24:인출/인입선(가공)		E20024NN-□□□	(가공)한전변전소 평면도, 용지도, 횡단면도, 상세도, 횡단면도
		30:지중송전		E20030NN-□□□	지중선로종평면도, 지중선로횡단면도, 지중선로수량표
		31:관로및맨홀		E20031NN-□□□	지중선로배관 및 관로관련도면, 송전선로맨홀관련도면
		32:케이블		E20032NN-□□□	케이블설비 관련도면
		33:인출/인입선(지중)		E20033NN-□□□	(지중)한전변전소 평면도, 용지도, 횡단면도, 상세도, 횡단면도
		90:부대시설물		E20090NN-□□□	공사진입로공사 등
		99:기타		E20099NN-□□□	-
	300:변전설비 310:전철변전소* 320:급전구분소* 330:보조급전구분소* 340:병렬급전소* 350:단말급전소* 390:기타	00:변전설비 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 27:부설도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 64:배근도 72:포설도 77:계통도 79:결선도	E30000NN-□□□	표지, 도면목록, 개요, 위치현황도
		10:변전설비 일반		E30010NN-□□□	전원삼선/단선 결선도, 제어설비계통도, 급전 계통도, SCADA계통도 등 계통도 관련도면
		20:변전기기		E30020NN-□□□	기기평면도, 확대평면도, 종단면도, 횡단면도, 기초평면도
		30:제어 및 배전반		E30030NN-□□□	제어/고압/저압반
		40:접지설비		E30040NN-□□□	접지계통도, 접지평면도, 접지상세도
		50:예비설비		E30050NN-□□□	예비설비 관련도면
		60:보완설비		E30060NN-□□□	무인변전소 보완설비
		70:트라프, 케이블트레이,배관		E30070NN-□□□	케이블포설도, 핏트 및 배관평면도, 케이블트레이상세도, 배근도
		80:부대설비		E30080NN-□□□	정화조, 상수도 등
		90:부대시설물		E30090NN-□□□	휀스설치 평면도, 출입문 상세도 휀스 상세도 등
		99:기타		E30099NN-□□□	-

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
E:전기	400:전차선로	00:전차선로 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 30:노선도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 64:배근도 71:전선로도 72:포설도 77:계통도 79:결선도 85:설치도	E40000NN-□□□	표지, 목차, 개요, 위치현황도
		10:전차선로 일반		E40010NN-□□□	급전계통도, 단선결선도
		20:가공전차선로		E40020NN-□□□	전차선로평면도, 인출설비평면도, 케이블포설도, 핏트 및 배관평면도, 케이블트레이상세도
		21:강체전차선로		E40021NN-□□□	전차선로평면도, 인출설비평면도, 케이블포설도, 핏트 및 배관평면도, 케이블트레이상세도
		30:지지물		E40030NN-□□□	표준장주도, 강관주/철주상세도, 트러스빔 상세도, 전철주기초상세도, 지선기초상세도, 하수강/브래킷/하스펜선 설치상세도
		40:부속장치		E40040NN-□□□	인류장치, 보호선, 장력장치, 흐름방지장치, 구분장치, 건널선 및 균압장치, 보조가선, 곡선당김장치 등
		50:안전설비		E40050NN-□□□	보호설비, 접지관련도면, 동력단로기, 표지류상세도, 경광등설치 상세도 등
		60:급전설비		E40060NN-□□□	피뢰기, 단로기 인류장치등 일반도
		90:부대시설물		E40090NN-□□□	휀스설치 평면도, 출입문 상세도 휀스 상세도 등
		99:기타		E40099NN-□□□	-
	500:원격제어설비 510:전철 SCADA 520:전력 SCADA	00:원격제어설비 공통	01:표지 02:목차 03:범례 34:종평면도 38:상세도 41:일반도 43:입면도 77:계통도 79:결선도 85:설치도	E50000NN-□□□	표지, 목차, 개요
		10:원격제어설비 일반		E50010NN-□□□	원격진단장치계통도, SCADA 계통도, 제어전원케이블포설도 등
		20:사령설비		E50020NN-□□□	제어실 상황감시 DLP 및 MONITOR 정면도
		30:주변장치		E50030NN-□□□	전철용제어반시스템 계통도 제어반 및 저압반 상세도
		40:통신장치		E50040NN-□□□	통신장치 관련도면
		50:예비설비		E50050NN-□□□	예비설비 관련도면
		90:부대시설물		E50090NN-□□□	기타 원격제어설비 관련도면
		99:기타		E50099NN-□□□	-
	600:배전설비 610:배전소배전설비 620:배전선로 630:토목시설배전설비 631:교량시설배전설비 632:터널시설배전설비 690:기타 배전설비	00:배전설비 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 27:부설도 34:종평면도 38:상세도 41:일반도 43:입면도 60:전개도 64:배근도 65:단면도 66:배치도 72:포설도 77:계통도 79:결선도	E60000NN-□□□	표지, 목차, 개요
		10:배전설비 일반		E60010NN-□□□	배전인입상세도, 배전설비 급전계통도
		20:배전소설비		E60020NN-□□□	배전소설비평면도, 트레이/덕트상세도, 배전소단선결선도 등 배전소기기설비 관련도면
		30:배전선로		E60030NN-□□□	배전(간선)설비 평면도, 저압간선계통도, 특고압케이블포설도, 저압간선계통도, 핸드홀케이블포설상세도, 인입출관로공사 상세도, 트레이/덕트상세도, 핸드홀위치도 등
		40:조명설비		E60040NN-□□□	조명설비평면도, 조명기구상세도, 콘센트및출구유도등설비평면도, 등기구설치도
		50:접지류		E60050NN-□□□	접지설비 평면도, 접지케이블 배선도, 피뢰침 보호반경 표시도
		90:부대시설물		E60090NN-□□□	휀스설치 평면도, 출입문 상세도 휀스 상세도 등
		99:기타		E60099NN-□□□	-

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
E:전기	700:건축전기 710:정거장/역사 720:관리동/사무동 730:차량유지관리동 740:전력공급/통제동 750:부대 건축물 790:기타 건축물	00:건축전기 공통	01:표지 02:목차 03:범례 04:일반사항 06:산출표 27:부설도 34:종평면도 38:상세도 41:일반도 43:입면도 60:전개도 64:배근도 65:단면도 66:배치도 72:포설도 77:계통도 79:결선도 85:설치도 87:제작도	E70000NN-□□□	표지, 목차, 범례, 개요
		10:건축전기 일반		E70010NN-□□□	전력계통도, 단선결선도 등
		20:전력공급설비(수변전)		E70020NN-□□□	수배전선로 평면도, 간선설비평면도, 맨홀및핸드홀위치평면도, 장비배치평면도, 맨홀상세도, 수배전반 상세도
		30:간선 및 동력설비		E70030NN-□□□	간선설비계통도, 간선설비평면도, 전력간선평면도, 케이블트레이평면도/상세도, 트레이/덕트상세도, 동력설비 상세도
		40:전등/전열설비		E70040NN-□□□	전열기구배치도, 전평면도, 전열기구상세도,옥외조명설비평면도, 옥내전등평면도, 조도분포평면도, 조명기수상세도
		50:조명설비		E70050NN-□□□	-
		60:정보통신 및 약전		E70060NN-□□□	정보통신 및 약전 관련도면
		61:방송통신		E70061NN-□□□	방송/통신/안내표시/인터폰/LAN 계통도, 옥외방송평면도, 옥내방송평면도, 옥외통신간선설비평면도, 전화TV설비평면도, 옥외신호 및 음향설비, 기타 관련 상세도
		62:유선방송		E70062NN-□□□	CATV계통도, CATV평면도, 기타관련 상세도
		70:소방방재		E70070NN-□□□	소방방재 관련도면
		71:소방전기설비		E70071NN-□□□	소방간선설비계통도, 소방상세도, 화재경보설비관련도면, 자탐설비관련도면, 유도등및유도표지관련도면, 전동샷다및댐퍼관련도면 등
		72:방범설비		E70072NN-□□□	방범계통도, 방범/CCTV 평면도, 방범설비기기 상세도 등
		73:접지설비		E70073NN-□□□	접지계통도, 접지평면도, 접지상세도, 피뢰침설비관련도면
		80:자동제어설비		E70080NN-□□□	자동제어설비 관련도면
		81:중앙제어		E70081NN-□□□	시스템통합구성도, 통제실평면도, 관제점일람표, 자동제어단섬결선도 등
		82:IBS(건물자동제어)		E70082NN-□□□	IBS계통도, 기능구성도, 기타 관련개념도 및 평면도
		83:공조제어		E70083NN-□□□	공조자동제어평면도, 관제점일람표, BLOCK DIAGRAM
		84:조명제어시스템		E70084NN-□□□	조명제어계통도/결선도, 자동제어기기 상세도 등
		90:부대시설물		E70090NN-□□□	건축전기 부대시설물
		99:기타		E70099NN-□□□	-
	800:신호설비 810:철도신호	00:일반		E80000NN-□□□	표지, 목차, 개요
		10:공통설비		E80010NN-□□□	공통설비 관련도면
		20:관제설비		E80020NN-□□□	관제설비 관련도면
		21:관제 역설비		E80021NN-□□□	관제 역설비 관련도면
		30:열차집중제어장치(CTC)		E80030NN-□□□	열차집중제어장치(CTC) 관련도면
		31:중앙열차집중제어장치		E80031NN-□□□	중앙열차집중제어장치 관련도면
		39:관제설비 기타장치		E80039NN-□□□	관제설비 기타장치 관련도면
		40:연동장치		E80040NN-□□□	연동장치 관련도면
		41:계전/전자 연동장치		E80041NN-□□□	계전/전자 연동장치 관련도면
		42:원격제어장치		E80042NN-□□□	원격제어장치(RC) 관련도면
		43:궤도회로기능검지장치(TLDS)		E80043NN-□□□	궤도회로기능검지장치(TLDS) 관련도면
		44:열차번호인식기		E80044NN-□□□	열차번호인식기 관련도면
		45:선로전환기		E80045NN-□□□	선로전환기 관련도면
		46:기계신호		E80046NN-□□□	기계신호 관련도면

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
E:전기	800:신호설비 810:철도신호	49:연동장치 기타	01:표지 02:목차 03:범례 04:일반사항 06:산출표 26:배선도 27:부설도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 47:용품도 64:배근도 66:배치도 71:전선로도 72:포설도 77:계통도 79:결선도 85:설치도 87:제작도	E80049NN-□□□	연동장치 기타 관련도면
		50:이동폐색장치(MBS)		E80050NN-□□□	이동폐색장치(MBS) 관련도면
		51:열차자동제어장치(ATC)		E80051NN-□□□	열차자동제어장치(ATC) 관련도면
		52:궤도회로장치		E80052NN-□□□	궤도회로장치 관련도면
		53:신호기장치		E80053NN-□□□	신호기장치 관련도면
		54:자동열차정지장치(ATS)		E80054NN-□□□	자동열차정지장치(ATS) 관련도면
		55:폐색장치(ABS,연동)		E80055NN-□□□	폐색장치(ABS,연동) 관련도면
		59:이동폐색 기타장치		E80059NN-□□□	이동폐색 기타장치 관련도면
		60:건널목신호제어장치		E80060NN-□□□	건널목신호제어장치 관련도면
		61:건널목정보 분석장치		E80061NN-□□□	건널목정보 분석장치 관련도면
		69:건널목 기타장치		E80069NN-□□□	건널목 기타장치 관련도면
		70:기상설비		E80070NN-□□□	기상설비 관련도면
		71:지장물검지장치		E80071NN-□□□	지장물검지장치 관련도면
		72:축소검지장치		E80072NN-□□□	축소검지장치 관련도면
		73:끌림검지장치		E80073NN-□□□	끌림검지장치 관련도면
		74:터널경보장치		E80074NN-□□□	터널경보장치 관련도면
		75:궤도단락/안전스위치		E80075NN-□□□	궤도단락/안전스위치 관련도면
		76:열차접근확인장치		E80076NN-□□□	열차접근확인장치 관련도면
		77:레일온도검지장치		E80077NN-□□□	레일온도검지장치 관련도면
		78:전차선전압검지장치		E80078NN-□□□	전차선전압검지장치 관련도면
		79:기상설비 기타장치		E80079NN-□□□	기상설비 기타장치 관련도면
		80:전원장치		E80080NN-□□□	전원장치 관련도면
		81:접지설비		E80081NN-□□□	접지설비 관련도면
		90:부대시설물		E80090NN-□□□	휀스설치 평면도, 출입문 상세도 휀스 상세도,표지류 등
		99:기타		E80099NN-□□□	-
	Z00:기타 전기설비	99:기타	NN:해당 통합소분류코드	EZ0099NN-□□□	미지정 전기설비도면

6. 통신설비분야 도면번호 목록

6.1 일반 통신설비공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
T:통신	일반		00: 일반도	T00-□□□	
			01: 표지	T01-□□□	
			02: 도면목록표	T02-□□□	
			03: 범례	T03-□□□	
			04: 배치도	T04-□□□	
			05: 일람표	T05-□□□	
			09: 기타	T09-□□□	
	공통설비		10: 공통	T10-□□□	
			11: 계통도	T11-□□□	
			12: 결선도	T12-□□□	
			13: 평입단면도	T13-□□□	
			14: 상세도	T14-□□□	
			19: 기타	T19-□□□	
	통신설비 (전화,LAN 등)		20: 공통	T20-□□□	
			21: 계통도	T21-□□□	
			22: 평입단면도	T22-□□□	
			23: 상세도	T23-□□□	
			29: 기타	T29-□□□	
	방송수신설비 (TV,라디오,유선방송 등)		30: 공통	T30-□□□	
			31: 계통도	T31-□□□	
			32: 평입단면도	T32-□□□	
			33: 상세도	T33-□□□	
			39: 기타	T39-□□□	
	방송설비		40: 공통	T40-□□□	
			41: 계통도	T41-□□□	
			42: 평입단면도	T42-□□□	
			43: 상세도	T43-□□□	
			49: 기타	T49-□□□	
	표시 및 정보전달설비 (주차관제,시계 등)		50: 공통	T50-□□□	
			51: 계통도	T51-□□□	
			52: 평입단면도	T52-□□□	
			53: 상세도	T53-□□□	
			59: 기타	T59-□□□	
	정보화 및 자동화설비		60: 공통	T60-□□□	
			61: 계통도	T61-□□□	
			62: 평입단면도	T62-□□□	
			63: 상세도	T63-□□□	
			69: 기타	T69-□□□	

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
T:통신	기타		90: 공통	T90-□□□	
			91: 계통도	T92-□□□	
			92: 결선도	T93-□□□	
			93: 평입단면도	T94-□□□	
			94: 상세도	T95-□□□	
			99: 기타	T99-□□□	

6.2 철도 통신설비공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
T:통신	100:종합	00:통신종합일반	01:표지 02:목차 04:일반사항 20:연결종합도 21:연결종합용지도 22:종합배치도	T10000NN-□□□	종합도표지, 종합도목차, 사업위치도
		10:옥외통신종합		T10010NN-□□□	옥외통신설비종합도
		20:옥내통신종합		T10020NN-□□□	옥내통신설비종합도(전송, 역무, 여객, 건축통신 전반)
		21:건축통신종합		T10021NN-□□□	건축통신종합도(건축통신 전반)
		22:역무통신종합		T10022NN-□□□	역무통신종합도(역무, 여객통신 전반)
		30:철도통신연결종합		T10030NN-□□□	철도통신연결종합도
		31:통신선로종합		T10031NN-□□□	통신선로종합도
		32:전송설비종합		T10032NN-□□□	전송설비종합도
		33:열차무선종합		T10033NN-□□□	열차무선종합도
		99:통신종합기타		T10099NN-□□□	기타 필요한 종합도 보조도면
	200:통신선로	00:통신선로 공통	01:표지 02:목차 03:범례 06:산출표 26:배선도 32:현황도 34:종평면도 35:횡단면도 38:상세도 41:일반도 50:이설도 51:철거도 60:전개도 72:포설도 77:계통도 79:결선도 85:설치도	T20000NN-□□□	표지, 목차, 개요, 현황도
		10:선로 및 관로		T20010NN-□□□	관로 배치/계획 평면도, 관로계획 전개도, 통신선로 현황도, 통신선로 위치도, 통신관로(배관) 설치 상세도, 통신관로설비 배선도, 통신케이블 포설도, 인입닥트 상세도, 궤도횡단닥트상세도
		20:통신케이블		T20020NN-□□□	케이블 결선도/접속도/포설도/계통도, 통신케이블 구성도, CABLE TRAY 제작도, 케이블 직선도, 통신케이블 개황도
		30:비상신고통화장치		T20030NN-□□□	비상통화장치 상세도, 기설 비상신고통화장치 철거도
		40:이동화상설비		T20040NN-□□□	이동화상 설비 계통도, 이동화상설비 구성도
		50:연선전화기		T20050NN-□□□	전기, 전화박스 설비공사 배치도, 연선전화설비 구성도, 연선전화설치 상세도, 연선전화시스템 계통도, 기설연선전화철거도
		90:부대시설물		T20090NN-□□□	광케이블 주의경고표지판 상세도, 맨홀 번호표 사양도
		99:기타		T20099NN-□□□	-
	300:전송설비	00:전송설비 공통	01:표지 02:목차 06:산출표 26:배선도 34:종평면도 35:횡단면도 38:상세도 41:일반도 60:전개도 72:포설도 77:계통도 79:결선도 85:설치도	T30000NN-□□□	표지, 목차, 개요, 전송설비 현황도
		10:전송망설비		T30010NN-□□□	장비/기기배치도, 기기 배치/설치평면도, 전송망기기 제작도, 케이블 포설도, 광단국 및 PCM단국 계통도, COT 가입자망 광단국실장 상세도,COT 가입자망 회선수용 상세도, 광케이블 결선도, 케이블 직선도, 광케이블 성단 상세도, 광분배저장함(OFD) 상세도, 광케이블 접속 상세도, 전송망 계통도, 광케이블 회선내역, 광케이블성단 상세도
		90:부대시설물		T30090NN-□□□	광케이블 매설 표지판 제작도
		99:기타		T30099NN-□□□	기타
	400:열차무선시스템	00:열차무선시스템 공통		T40000NN-□□□	표지, 목차, 개요, 시스템 현황도
		10:무선중앙장치		T40010NN-□□□	열차무선 전원장치 상세도, 시스템/장비구성도, 기기배치도, 설치 및 시공상세도, 기기제작도

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
T:통신	400:열차무선시스템	20:중계기지국장치	01:표지 02:목차 03:범례 06:산출표 26:배선도 34:종평면도 35:횡단면도 38:상세도 41:일반도 50:이설도 51:철거도 60:전개도 72:포설도 77:계통도 79:결선도 85:설치도	T40020NN-□□□	시스템/장비구성도, 장비/기기배치도 설치평면도, 기기배치평면도, PLAN 설치 및 시공상세도, 기기제작도, 케이블 포설도, 케이블 결선도, 열차무선 중계장치 상세도, 안테나 설치 상세도, 원격조정반 상세도, 주장치 상세도
		30:난청해소장치		T40030NN-□□□	시스템/장비구성도, 장비/기기배치도, 설치 및 시공상세도, FM 재방송설비 평면도, FM재방송설비 케이블 포설도, 기기제작도
		40:무선송수신장치		T40040NN-□□□	시스템/장비구성도, 장비/기기배치도, 설치 및 시공상세도, 기기제작도
		90:부대시설물		T40090NN-□□□	열차무선용 철관주 제작도, 열차무선/열차방호설비 케이블 포설도
		99:기타		T40099NN-□□□	-
	500:역무자동화설비	00:역무자동화설비 공통	01:표지 02:목차 26:배선도 34:종평면도 38:상세도 41:일반도 77:계통도 79:결선도 85:설치도	T50000NN-□□□	표지, 목차, 개요
		10:역무자동화설비 및 장비		T50010NN-□□□	장비/기기배치도, 시스템/장비구성도, 기기배치평면도, 발매자동설비 평면도, 발매자동설비 SYSTEM 계통도, 승차권 발매용단말기 상세도, 자동개집표기 상세도, 발매자동설비 수량표, 발매자동설비 케이블 계통도, 기기제작도
		90:부대시설물		T50090NN-□□□	-
		99:기타		T50099NN-□□□	-
	600:통신유도전파 장애대책	00:통신유도전파 장애대책 공통	01:표지 02:목차 26:배선도 32:현황도 34:종평면도 38:상세도 41:일반도 72:포설도 77:계통도 79:결선도	T60000NN-□□□	표지, 목차, 개요
		10:통신유도전파장애대책설비		T60010NN-□□□	선로부설도, 시공상세도, 선로위치 현황도
		90:부대시설물		T60090NN-□□□	통신유도전파 장애대책 도면
		99:기타		T60099NN-□□□	-
	700:역무용통신	00:역무용통신 공통	01:표지 02:목차 03:범례 06:산출표 26:배선도 34:종평면도 35:횡단면도 38:상세도 41:일반도 50:이설도 51:철거도 60:전개도 72:포설도 77:계통도 79:결선도 81:회로도 85:설치도	T70000NN-□□□	표지, 목차, 개요, 현황도
		10:전화 및 모사전송설비		T70010NN-□□□	모사전송설비 구성도/계통도, 자동전화 교환망 계통도, 역간직통전화설비 구성도
		20:사령설비		T70020NN-□□□	역무실 키폰장치 신설, 사령전화설비 계통도, 사령전화설비 구성도, 사령원격 방송설비 구성도/계통도
		30:방송설비		T70030NN-□□□	방송설비 및 비상회선 평면도, 토크백 설치도, 토크백 설치 평면도, 토크백모(자)장치 상세도, 토크백 설비 배선도, MAIN AMP 상세도, 스피커회로도, SPEAKER 설치 상세도, 방송설비 및 비상회선 평면도, 방송설비 계통도, 방송 간선 계통도, 무선방송 계통도, 방송시스템 RACK상세도, 자동 방송장치 구성도, 방송설비 배선도, AMP 비상전원 장치, IDF RACK 상세도, MDF설치 상세도, MDF RACK 상세도, 옥외방송설비 평면도
		40:TV공시청설비		T70040NN-□□□	공시청 안테나 설치상세도

＊: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
T:통신	700:역무용통신	50:CCTV설비		T70050NN-□□□	CCTV설비 평면도, CCTV간선 계통도, CCTV 장비 DETAIL, 감시장치용 CCTV 케이블 포설도, CCTV 모니터 및 장비상세도, CCTV 계통도
		60:정보통신망설비		T70060NN-□□□	정보통신설비 구성도, LAN 설비 상세도 LAN 및 WAN설비 구성도,
		70:장애자편의시설		T70070NN-□□□	음성안내유도기설치 평면도, 배치도, 음성유도장치 설치도
		90:부대시설물		T70090NN-□□□	무전정류기장치함 및 전지함 제작도
		99:기타		T70099NN-□□□	
	800:여객안내	00:여객안내 공통	01:표지 02:목차 26:배선도 34:종평면도 35:횡단면도 38:상세도 41:일반도 43:입면도 60:전개도 66:배치도 77:계통도 79:결선도 81:회로도	T80000NN-□□□	설계개요 및 면적표, 실내재료마감, 입면도, 횡,종단면도, 개항도, CABLE TRAY설비 평면도, 여객 안내설비 구성도
		10:여객자동안내설비		T80010NN-□□□	여객 자동안내장치 설치상세도, 시스템 구성도, 음성 안내장치 평면도,
		20:열차행선안내설비 공통		T80020NN-□□□	여객, 행선안내장치 설비배선도, 행선안내장치 평면도/간선 계통도, 여객, 행선 안내장치 계통도, 안내판설치 상세도, 안내판 제작도, 여객안내설비 평면도, 여객안내표시기 설비도, 행선안내설비 구성도
		30:전기시계설비		T80030NN-□□□	-
		90:부대시설물		T80090NN-□□□	도착안내표시기 상세도, 도착안내표시기 시공상세도
		99:기타		T80099NN-□□□	-
	900:건축통신 910:정거장/역사 920:관리동/사무동 930:차량유지관리동 940:전력공급/통제동 950:부대 건축물 990:기타 건축물	00:건축통신 공통	01:표지 02:목차 26:배선도 34:종평면도 38:상세도 41:일반도 43:입면도 66:배치도 77:계통도 79:결선도 81:회로도	T90000NN-□□□	표지, 목차, 개요
		10:표시 및 정보전달설비		T90010NN-□□□	-
		20:방송 및 수신설비		T90020NN-□□□	통신간선계통도
		30:통신설비		T90030NN-□□□	통신설비 평면도, 통신설비 시공상세도, 통신설비 배선도, 통신실 기기배치도, 통신설비 계통도, 통신 및 전원케이블 계통도
		40:정보화 및 자동화설비		T90040NN-□□□	-
		50:자동제어설비		T90050NN-□□□	중앙제어장치 시스템구성도, AFC 설비 계통도, AFC 설비 배선도
		90:부대시설물		T90090NN-□□□	-
		99:기타		T90099NN-□□□	-
	Z00:기타 통신설비	90:기타통신 기타	NN:해당 통합소분류코드	TZ0090NN-□□□	미지정 통신설비 도면

7. 조경분야 도면번호 목록

7.1 일반 조경공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
L:조경	일반		00:일반	L00-□□□	
			01:표지	L01-□□□	
			02:도면목록표	L02-□□□	
			03:현황도	L03-□□□	
			04:종합계획도	L04-□□□	
			05:구적도	L05-□□□	
			06:총괄수량표	L06-□□□	
			09:기타	L09-□□□	
	공통		10: 공통	L10-□□□	
			11: 배치계획도	L11-□□□	
			12: 평면도	L12-□□□	
			13: 입단면도	L13-□□□	
			14: 부분상세도	L14-□□□	
			15: 상세도	L15-□□□	
			19: 기타	L19-□□□	
	식재		20: 공통	L20-□□□	
			21: 배치계획도	L21-□□□	
			22: 평면도	L22-□□□	
			23: 상세도	L23-□□□	
			29: 기타	L29-□□□	
	시설물		30: 공통	L30-□□□	
			31: 배치계획도	L31-□□□	
			32: 평면도	L32-□□□	
			33: 입단면도	L33-□□□	
			34: 부분상세도	L34-□□□	
			35: 상세도	L35-□□□	
			39: 기타	L39-□□□	
	포장 경계석		40: 공통	L40-□□□	
			41: 배치계획도	L41-□□□	
			42: 평면도	L42-□□□	
			43: 입단면도	L43-□□□	
			44: 부분상세도	L44-□□□	
			45: 상세도	L45-□□□	
			49: 기타	L49-□□□	
	기타		90: 공통	L90-□□□	
			91: 배치계획도	L91-□□□	
			92: 평면도	L92-□□□	
			93: 입단면도	L93-□□□	
			94: 부분상세도	L94-□□□	
			95: 상세도	L95-□□□	
			99: 기타	L99-□□□	

7.2 철도 조경공사 도면번호 목록

*: 시설별 부분류 확장항목

대분류	중분류		소분류	도면번호	비고
	주분류	부분류			
L:조경	100:종합	00:조경종합일반	01 표지 02 목차 04 일반사항 20 연결종합도 21 연결종합용지도 22 종합배치도	L10000NN-□□□	종합도표지, 종합도목차, 사업위치도
		10:조경종합		L10010NN-□□□	조경종합도(수목, 조경/토목시설 전반)
		20:용지종합		L10020NN-□□□	조경종합용지도
		99:조경종합기타		L10099NN-□□□	기타 필요한 종합도 보조도면
	200:조경	00:조경공통	01 표지 02 목차 04 일반사항 06 산출표 32 현황도 34 종평면도 35 횡단면도 38 상세도 41 일반도 64 배근도 85 설치도 87 제작도	L20000NN-□□□	표지, 간지, 도면목차
		10:조경일반		L20010NN-□□□	수목수량총괄표, 녹지구적도, 조경계획개념평면도
		20:수목식재		L20020NN-□□□	공사계획평면도, 식재계획평면도, 계획평면도
		30:조경시설		L20030NN-□□□	조경시설계획평면도
		31:조경시설상세		L20031NN-□□□	식재 및 지주목, 수목보호홀덮개, 파고라, 등의자, 철봉/미끄럼/볼라드, 배구지주 및 POST, 휴지통 등 관련상세도
		40:토목시설		L20040NN-□□□	포장계획평면도, 배수계획평면도, 급수/관수계획평면도, 경계석배치도, 펜스 및 담장배치평면도 등
		41:토목시설상세		L20041NN-□□□	포장/경계석상세도, 포장상세도, 맨홀상세도, 급 · 배수구조물상세도
		90:부대시설물		L20090NN-□□□	-
		99:기타		L20099NN-□□□	-
	Z00:조경 기타	90:기타조경 기타	NN 해당 통합소분류코드	LZ0090NN-□□□	미지정 조경설비 도면

[부속서 2]

레이어 목록

KICT 한국건설기술연구원

[부속서 2] 레이어 목록

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0. 레이어 목록 범례

가. 레이어 목록의 구조는 다음과 같다.

① CV : 토목분야(C)+측량 및 토질(V)

번호	공통분류 ②	레이어 코드 ③	요소 ④	색상 ⑤	선 ⑥	내 용	NGIS ⑦	비고
1	측량지질공통	CV-XXXX	LIN	2	CONT	측량지질 공통		
2	방위	CV-AZMU	SYM	3	CONT	방위		
3	도곽	CV-GRID	LIN	1	CONT	도곽		
...	...	...	...	...	...	...	...	
← 필수사항 →			← 권장사항 →					

① 해당 목록의 이름 (대분류와 중분류)

② 유사한 레이어를 그룹핑한 분류

③ "건설CALS/EC 전자도면 작성표준"의 레이어 체계에 따른 코드

- 공통분야 레이어 목록의 □Z-XXXX의 경우, □자리에 C나 A등 건설전문분야 코드를 부여 (예: □Z-DIML은 CZ-DIML, AZ-DIML 등)
- 공통분야 레이어 목록의 □Z로 시작하는 일반코드 4자리는 범용적으로 사용가능 (예: 목록에는 □Z-DIML과 CA-BORD만 있으나 CA-BORD-DIML로 응용 사용가능)
- 레이어 코드 10자리 이후는 사용자가 임의로 추가하여 사용가능

④ 요소 속성코드

구분	형상	도면정보	코드	용도	비고
점	심벌	개수/위치	SYM	심벌 기호의 입력점	
	문자	위치	Tnn혹은 TXT	문자의 입력 기준점. 단, nn은 문자의 절대 크기로 소수점을 생략한 수치 (예) T25=문자크기 2.5mm	문자
선	단일선	위치/길이	LIN	단일 선으로 구성된 객체의 시.종점	치수선 등
	연속선	위치/길이	PLN	다중 선으로 연결한 연속선으로 시.종점이 다른 개방선	등고선 등
면	폐합면	위치/면적	PGN	다중 선으로 연결한 연속선으로 시.종점이 같은 폐합선	교면,강판 등
	해칭	특성/면적	PAT	다중의 정점으로 구성된 폐합면을 채운 무늬	포장면 등

⑤ 색상 속성코드 (※ 코드 중 "VAR"는 지정되지 아니하여 변경 가능한 색상)

코드	출력색상	화면색상	R	G	B	용 도	비고
1	검정	빨간색(Red)	255	0	0	설계요소	
2	검정	노란색(Yellow)	255	255	0		
3	검정	초록색(Green)	0	255	0		
4	검정	하늘색(Cyan)	0	255	255		
5	검정	파란색(Blue)	0	0	255		
6	검정	보라색(Magenta)	255	0	255		
7	검정	하얀색(White)	255	255	255		
8	검정	진회색(Gray)	128	128	128		
9	검정	연회색(Gray)	192	192	192		
10이상	칼라/기타선	...	...	...	...	바탕요소 대안설계	

⑥ 선 목록에서 제공하는 선의 코드. 단, CONT는 실선으로 A-ISONS01과 동일함

⑦ 건설CALS 레이어 코드에 대응되는 NGIS 코드

나. 설계도면의 현황과 관련된 기본지형도는 국가지리정보체계(NGIS) 코드를 변형없이 그대로 사용할 수 있다.

다. 토목, 건축 등 각 분야에서는 공통 레이어 목록과 해당 분야별 레이어 목록을 함께 사용한다.

1. 공통분야 레이어 목록

1.1 일반(General for common) : □Z

□Z : 분야코드(□)+일반(Z)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	일반공통	□Z-XXXX	LIN	3	CONT	일반공통		
2	선	□Z-LINE	LIN	3	CONT	공통선		
3		□Z-LIN1	LIN	7	CONT	굵은선		
4		□Z-LIN2	LIN	3	CONT	일반선		
5		□Z-LIN3	LIN	1	CONT	가는선		
6	문자	□Z-TEXT	T25	3	CONT	공통문자		
7		□Z-TEX0	T100	7	CONT	타이틀 문자		
8		□Z-TEX1	T50	6	CONT	제목 문자		
9		□Z-TEX2	T25	3	CONT	일반문자		
10		□Z-TEX3	T20	2	CONT	작은 문자		
11	치수	□Z-DIMS	LIN	1	CONT	치수공통		
12		□Z-DIML	LIN	1	CONT	치수선		
13		□Z-DIMT	T25	3	CONT	치수문자		
14	인출	□Z-LEAD	LIN	1	CONT	인출공통		
15		□Z-LEAL	LIN	1	CONT	인출선		
16		□Z-LEAT	T25	3	CONT	인출문자		
17	심벌	□Z-SYMB	SYM	2	CONT	심벌(블록)		
18	해칭	□Z-PATT	LIN	1	CONT	해칭(무늬)		
19	테이블	□Z-TABL	LIN	2	CONT	테이블(제원표)		
20	그리드	□Z-GRID	LIN	1	CONT	그리드(격자)		
21	주석(註釋)	□Z-NOTE	T25	3	CONT	주석(註釋)		
22	주기(朱記)	□Z-REDL	T30	4	CONT	주기(朱記)		
23	개정(改訂)	□Z-REVn	SYM	1	CONT	개정(改訂)차수-n		
24	이음(MATCH)	□Z-MACL	LIN	6	A-CENTR01	이음선		
25		□Z-MACT	T40	6	CONT	이음문자		
26	중심선	□Z-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
27	절단선	□Z-CUTL	PLN	1	A-CENTR01	절단선		
28	은선(파단선)	□Z-HIDL	PLN	2	A-DASHD01	은선(파단선)		
29	참조선	□Z-REFL	LIN	3	A-PHATM01	참조선(이점쇄선)		
30	숨김선(비출력)	□Z-NPLT	LIN	5	CONT	숨김선(출력제외)		
31	신규	□Z-NEWC	LIN	4	CONT	신설		
32	철거	□Z-DEMO	LIN	3	E-DEMOL01	철거		
33	기존	□Z-EXST	LIN	2	A-DASHD01	기존		
34	장래확장	□Z-FUTR	LIN	4	A-PHATM01	장래확장		
35	이동	□Z-MOVE	LIN	3	CONT	이동		
36	단계번호	□Z-PHAn	LIN	3	CONT	단계번호-n		
37	계약이전	□Z-NICN	LIN	1	A-DASHD01	계약이전		
38	임시	□Z-TEMP	LIN	2	A-CENTR01	임시		
39	기본(BASE)	□Z-BASE	LIN	253	CONT	기본맵(BASE)		

1.2 구조물도(Structure) : □S

□S : 분야코드(□)+구조물도(S)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	구조물 공통	□S-XXXX	LIN	3	CONT	구조물 공통		
2	굴착선	□S-EXCV	PLN	3	E-DIGLN01	굴착선		
3	응력도	□S-STRS	LIN	6	CONT	응력도		
4		□S-STRS-MEMB	LIN	7	CONT	응력부재		
5		□S-STRS-LINE	LIN	4	CONT	응(단면)력선		
6	콘크리트	□S-CONC	LIN	4	CONT	콘크리트		
7		□S-CONC-MAJR	LIN	4	CONT	콘크리트 구조물(실선)		
8		□S-CONC-MINR	LIN	3	A-DASHD01	콘크리트 구조물(점선)		
9		□S-CONC-REFR	LIN	4	A-CENTR01	콘크리트 구조물(참조)		
10		□S-CONC-LEAN	LIN	3	CONT	린콘크리트		
11	숏크리트	□S-SCRT	PLN	4	CONT	숏크리트		
12	철근	□S-RBAR	LIN	6	CONT	철근		
13		□S-RBAR-MAJR	LIN	6	CONT	철근선(실선)		
14		□S-RBAR-MINR	LIN	6	A-HIDDN01H	철근선(점선)		
15		□S-RBAR-REFR	LIN	4	A-CENTR01H	철근선(참조)		
16		□S-RBAR-EREC	SYM	6	CONT	조립철근선		
17		□S-RBAR-SYMB	SYM	6	CONT	철근번호심벌		
18	강부재(프레임)	□S-FRAM	LIN	7	CONT	강부재(프레임)		
19		□S-FRAM-MAJR	LIN	7	CONT	강부재선(실선)		
20		□S-FRAM-MINR	LIN	7	A-DASHD01	강부재선(점선)		
21		□S-FRAM-REFR	LIN	6	A-CENTR01	강부재선(참조)		
22	강재	□S-STEL	LIN	3	CONT	강재(철골 및 강봉)		
23		□S-STEL-MAJR	LIN	4	CONT	강재선(실선)		
24		□S-STEL-MINR	LIN	3	A-HIDDN01	강재선(점선)		
25		□S-STEL-REFR	LIN	3	A-CENTR01	강재선(참조)		
26		□S-STEL-SYMB	SYM	4	CONT	강재심벌		
27	강판	□S-PLAT	PGN	3	CONT	강판		
28		□S-PLAT-MAJR	PGN	4	CONT	강판선(실선)		
29		□S-PLAT-MINR	PGN	3	A-HIDDN01	강판선(점선)		
30		□S-PLAT-REFR	PGN	4	A-CENTR01	강판선(참조)		
31	강선	□S-WIRE	PLN	4	CONT	강선		
32		□S-WIRE-MAJR	PLN	6	CONT	강선(실선)		
33		□S-WIRE-MINR	PLN	4	A-DASHD01	강선(점선)		
34		□S-WIRE-REFR	PLN	4	A-CENTR01	강선(참조)		
35	강관/파이프	□S-PIPE	LIN	3	CONT	파이프		
36		□S-PIPE-MAJR	LIN	4	CONT	파이프(실선)		
37		□S-PIPE-MINR	LIN	3	A-HIDDN01	파이프(점선)		
38		□S-PIPE-REFR	LIN	3	A-CENTR01	파이프(참조)		
39	목재	□S-WOOD	LIN	3	CONT	목재		
40	플라스틱	□S-PLST	PLN	4	CONT	플라스틱,FRP		

□S : 분야코드(□)+구조물도(S)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
41	고무	□S-RUBR	PLN	4	CONT	고무		
42	와이어 매쉬	□S-MESH	LIN	4	CONT	와이어 매쉬		
43	용접	□S-WELD	LIN	2	CONT	용접관련		
44	거푸집	□S-FORM	PGN	3	CONT	거푸집		
45	동바리	□S-TIMB	LIN	3	CONT	동바리		
46	파일	□S-PILE	LIN	3	CONT	파일		
47	블록	□S-BLOK	SYM	4	CONT	블록		
48	줄눈(이음)	□S-JOIN	LIN	2	CONT	줄눈(이음)		
49		□S-JOIN-CNST	LIN	2	CONT	시공줄눈		
50		□S-JOIN-CNTR	LIN	2	CONT	수축줄눈		
51		□S-JOIN-EXPN	LIN	2	CONT	팽창줄눈		
52	재료표 테이블	□S-TABL	LIN	3	CONT	재료(집계)표 테이블		
53		□S-TABL-LIN1	LIN	4	CONT	재료표 굵은 선		
54		□S-TABL-LIN2	LIN	1	CONT	재료표 가는 선		
55		□S-TABL-TEX1	T40	6	CONT	재료표 제목문자		
56		□S-TABL-TEX2	T25	3	CONT	재료표 내용문자		
57	문자	□S-TEXT	T25	3	CONT	문자공통		
58	치수	□S-DIMS	LIN	1	CONT	치수공통		
59		□S-DIML	LIN	1	CONT	치수선		
60		□S-DIMT	T25	3	CONT	치수문자		
61	인출	□S-LEAD	LIN	1	CONT	인출공통		
62		□S-LEAL	LIN	1	CONT	인출선		
63		□S-LEAT	T25	3	CONT	인출문자		
64	심벌	□S-SYMB	SYM	3	CONT	심벌공통		
65	해칭	□S-PATT	PAT	1	CONT	해칭공통		
66	주석(註釋)	□S-NOTE	T25	3	CONT	주석(註釋)		
67	이음(MATCH)	□S-MACL	LIN	6	A-CENTR01	이음선		
68		□S-MACT	T40	6	CONT	이음문자		
69	중심선	□S-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
70	절단선	□S-CUTL	PLN	1	A-CENTR01	절단선		
71	은선(파단선)	□S-HIDL	PLN	2	A-DASHD01	은선(파단선)		
72	구조물 기타	□S-MISC	LIN	3	CONT	구조물 기타		

1.3 종단면도(Profiles) : □R

□R : 분야코드(□)+종단면도(R)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	종단 공통	□R-XXXX	PLN	3	CONT	종단 공통		
2	지반선	□R-GRND	PLN	3	CONT	지반선		
3	암선	□R-ROCK	PLN	2	CONT	암선		
4		□R-ROCK-RIPP	PLN	1	A-CENTR01	리핑암		
5		□R-ROCK-BLST	PLN	2	A-PHATM01	발파암		
6		□R-ROCK-WETH	PLN	1	A-ISONS04	풍화암		
7		□R-ROCK-SOFT	PLN	2	A-CENTR01	연암		
8		□R-ROCK-MEDM	PLN	1	A-ISONS06	보통암		
9		□R-ROCK-HARD	PLN	2	A-PHATM01	경암		
10	계획선	□R-DEGN	PLN	7	CONT	계획선		
11		□R-DEGN-EXTN	LIN	1	CONT	종곡선확장선		
12	굴착선	□R-DIGG	PLN	1	E-DIGLN01	굴착선		
13	제방	□R-BANK	PLN	6	CONT	제방		
14		□R-BANK-NEWC	PLN	6	CONT	계획제방		
15		□R-BANK-EXST	PLN	3	A-DASHD01	기존제방		
16	수위	□R-WATR	PLN	2	CONT	수위		
17		□R-WATR-DEGN	PLN	3	CONT	계획수위(홍수위)		
18		□R-WATR-LEVO	PLN	1	A-CENTR01	평수위		
19		□R-WATR-LFVD	PLN	2	A-DASHD01	갈수위		
20	하상선	□R-RIVR	PLN	4	A-PHATM01	하상선(바닥선)		
21	관로	□R-PIPE	PLN	4	CONT	관로		
22		□R-PIPE-BOTM	PLN	4	CONT	관바닥		
23		□R-PIPE-TOPL	PLN	4	CONT	관상단		
24		□R-PIPE-PROT	LIN	3	CONT	관보호		
25		□R-PIPE-MISC	LIN	2	CONT	관로 기타		
26	맨홀	□R-MANH	LIN	3	CONT	맨홀		
27		□R-MANH-EXST	LIN	2	A-HIDDN01	기존맨홀		
28		□R-MANH-NEWC	LIN	3	CONT	신규맨홀		
29		□R-MANH-MISC	LIN	2	CONT	맨홀기타		
30	일반구조물	□R-STRU	LIN	3	CONT	일반구조물		
31		□R-STRU-EXST	LIN	3	A-DASHD01	기존구조물(은선)		
32		□R-STRU-NEWC	LIN	4	CONT	신규구조물		
33	궤도면고	□R-RAIL	LIN	7	CONT	궤도면고(레일)		
34	교량	□R-BRDG	LIN	4	CONT	교량		
35		□R-BRDG-EXST	LIN	4	A-DASHD01	기존교량(은선)		
36		□R-BRDG-NEWC	LIN	4	CONT	신규교량		
37	터널	□R-TUNL	LIN	4	CONT	터널		
38		□R-TUNL-EXST	LIN	4	A-DASHD01	기존터널(은선)		
39		□R-TUNL-NEWC	LIN	4	CONT	신규터널		
40	암거	□R-BOXC	LIN	3	CONT	암거		
41		□R-BOXC-EXST	LIN	3	A-HIDDN01	기존암거(은선)		

□R : 분야코드(□)+종단면도(R)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
42	암거	□R-BOXC-NEWC	LIN	3	CONT	신규암거		
43	횡배수관	□R-PIPX	LIN	3	CONT	횡배수관		
44		□R-PIPX-EXST	LIN	3	A-HIDDN01	기존횡배수관		
45		□R-PIPX-NEWC	LIN	4	CONT	신규횡배수관		
46	파일	□R-PILE	LIN	2	CONT	파일		
47	유용토	□R-MASS	PLN	3	CONT	유용토		
48		□R-MASS-CURV	PLN	7	CONT	유용토 곡선		
49		□R-MASS-LINE	LIN	2	CONT	유용토 구분선		
50		□R-MASS-TEXT	T25	3	CONT	유용토 문자		
51	보링주상단면	□R-BORE	LIN	2	CONT	보링주상도(단면)		
52		□R-BORE-LINE	PLN	2	CONT	주상도선		
53		□R-BORE-TEXT	T25	3	CONT	주상도문자		
54		□R-BORE-MISC	LIN	1	CONT	주상도기타(해칭)		
55	그래픽축척	□R-GSCL	LIN	2	CONT	그래픽축척		
56		□R-GSCL-LINE	LIN	2	CONT	축척선		
57		□R-GSCL-TEXT	T25	3	CONT	축척문자		
58		□R-GSCL-MISC	LIN	1	CONT	축척기타(해칭)		
59	그리드	□R-GRID	LIN	1	CONT	그리드		
60		□R-GRID-VERT	LIN	1	CONT	수직그리드		
61		□R-GRID-HORI	LIN	2	A-DOTLN01H	수평그리드		
62	제원테이블	□R-TABL	LIN	3	CONT	종단제원테이블		
63		□R-TABL-LIN1	LIN	4	CONT	테이블 굵은 선		
64		□R-TABL-LIN2	LIN	1	CONT	테이블 가는 선		
65		□R-TABL-TEX1	T40	6	CONT	테이블 제목문자		
66		□R-TABL-TEX2	T25	3	CONT	테이블 내용문자		
67	문자	□R-TEXT	T25	3	CONT	문자공통		
68	치수	□R-DIMS	LIN	1	CONT	치수공통		
69		□R-DIML	LIN	1	CONT	치수선		
70		□R-DIMT	T25	3	CONT	치수문자		
71	인출	□R-LEAD	LIN	1	CONT	인출공통		
72		□R-LEAL	LIN	1	CONT	인출선		
73		□R-LEAT	T25	3	CONT	인출문자		
74	심벌	□R-SYMB	SYM	3	CONT	심벌공통		
75	해칭	□R-PATT	PAT	1	CONT	해칭공통		
76	주석(註釋)	□R-NOTE	T25	3	CONT	주석(註釋)		
77	이음(MATCH)	□R-MACL	LIN	6	A-CENTR01	이음선		
78		□R-MACT	T40	6	CONT	이음문자		
79	중심선	□R-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
80	절단선	□R-CUTL	PLN	1	A-CENTR01	절단선		
81	은선(파단선)	□R-HIDL	PLN	2	A-DASHD01	은선(파단선)		
82	종단 기타	□R-MISC	PLN	2	CONT	종단 기타		

1.4 횡단면도(Cross sections) : □C

□C : 분야코드(□)+횡단면도(C)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	횡단 공통	□C-XXXX	PLN	3	CONT	횡단 공통		
2	횡단기준점	□C-BASE	SYM	1	CONT	횡단기준점		
3	지반선	□C-GRND	PLN	3	CONT	지반선		
4	암선	□C-ROCK	PLN	2	CONT	암선		
5		□C-ROCK-RIPP	PLN	1	A-CENTR01	리핑암		
6		□C-ROCK-BLST	PLN	2	A-PHATM01	발파암		
7		□C-ROCK-WETH	PLN	1	A-CENTR01	풍화암		
8		□C-ROCK-SOFT	PLN	2	A-PHATM01	연암		
9		□C-ROCK-MEDM	PLN	1	A-DASHD01	보통암		
10		□C-ROCK-HARD	PLN	2	A-PHATM01	경암		
11	계획선	□C-DGNL	LIN	7	CONT	계획선		
12	흙쌓기선	□C-FILL	PLN	4	CONT	흙쌓기선		
13	땅깎기선	□C-CUTT	PLN	4	CONT	땅깎기선		
14	굴착선	□C-DIGG	PLN	1	CONT	굴착선		
15	층따기	□C-BNCH	PLN	3	CONT	층따기		
16	녹지대	□C-GBLT	PLN	3	CONT	녹지대		
17	터파기	□C-EXCV	PLN	4	CONT	터파기		
18	되메우기	□C-RFIL	PLN	4	CONT	되메우기		
19	노상선	□C-BEDF	LIN	3	A-DASHD01	노상선		
20	포장선	□C-PAVE	LIN	1	CONT	포장선		
21		□C-PAVE-SGRD	LIN	4	CONT	포장경계선		
22		□C-PAVE-BORD	LIN	1	CONT	포장층 구분선		
23	횡단시설물	□C-INST	PLN	2	CONT	횡단시설물		
24		□C-WATR	PLN	1	CONT	수위		
25	구조물일반	□C-GSTR	PLN	4	CONT	일반 구조물		
26		□C-GSTR-NEWC	PLN	4	CONT	주요구조물(실선)		
27		□C-GSTR-NEWD	PLN	4	A-DASHD01	주요구조물(파선)		
28		□C-GSTR-DICH	PLN	3	CONT	측구구조물		
29		□C-GSTR-LEAN	LIN	3	CONT	린콘크리트		
30		□C-GSTR-SPRT	PLN	2	CONT	사면 보호시설		
31		□C-GSTR-PPRT	PLN	3	CONT	관 보호시설		
32		□C-GSTR-MISC	PLN	2	CONT	기타 구조물		
33	횡배수구조물	□C-DSTR	PLN	4	CONT	횡배수구조물		
34		□C-DSTR-EXST	PLN	3	A-DASHD01	기존 횡배수구조물		
35		□C-DSTR-NEWC	PLN	4	CONT	횡배수구조물(실선)		
36		□C-DSTR-NEWD	PLN	4	A-DASHD01	횡배수구조물(점선)		
37		□C-DSTR-MISC	PLN	2	CONT	횡배수구조물 기타		
38	그래픽축척	□C-GSCL	LIN	1	CONT	그래픽축척		
39		□C-GSCL-LINE	LIN	1	CONT	축척선		
40	그래픽축척	□C-GSCL-TEXT	T25	3	CONT	축척문자		

□C : 분야코드(□)+횡단면도(C)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
41		□C-GSCL-MISC	LIN	1	CONT	축척기타(해칭)		
42	그리드	□C-GRID	LIN	1	CONT	그리드		
43		□C-GRID-MAJR	LIN	3	A-DOTLN01H	주그리드		
44		□C-GRID-MINR	LIN	1	A-DOTLN01H	보조그리드		
45		□C-GRID-TEXT	T25	2	CONT	그리드문자		
46	경계선	□C-LIMT	LIN	3	CONT	경계선		
47		□C-LIMT-VOLM	LIN	2	A-CENTR01	토공구역경계선		
48		□C-LIMT-LOTS	LIN	1	CONT	용지경계선		
49		□C-LIMT-BLDG	LIN	3	CONT	건물		
50	토적테이블	□C-TABL	LIN	3	CONT	토적테이블		
51		□C-TABL-LIN1	LIN	4	CONT	토적테이블 굵은 선		
52		□C-TABL-LIN2	LIN	1	CONT	토적테이블 가는 선		
53		□C-TABL-TEX1	T40	6	CONT	토적테이블제목문자		
54		□C-TABL-TEX2	T25	3	CONT	토적테이블내용문자		
55	문자	□C-TEXT	T25	3	CONT	문자공통		
56	치수	□C-DIMS	LIN	1	CONT	치수공통		
57		□C-DIML	LIN	1	CONT	치수선		
58		□C-DIMT	T25	3	CONT	치수문자		
59	인출	□C-LEAD	LIN	1	CONT	인출공통		
60		□C-LEAL	LIN	1	CONT	인출선		
61		□C-LEAT	T25	3	CONT	인출문자		
62	심벌	□C-SYMB	SYM	3	CONT	심벌공통		
63	해칭	□C-PATT	PAT	1	CONT	해칭공통		
64	주석(註釋)	□C-NOTE	T25	3	CONT	주석(註釋)		
65	이음(MATCH)	□C-MACL	LIN	6	A-CENTR01	이음선		
66		□C-MACT	T40	6	CONT	이음문자		
67	중심선	□C-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
68	절단선	□C-CUTL	PLN	1	A-CENTR01	절단선		
69	은선(파단선)	□C-HIDL	PLN	2	A-DASHD01	은선(파단선)		
70	횡단 기타	□C-MISC	LIN	2	CONT	횡단 기타		

1.5 용지도(Cadastral) : □L

□L : 분야코드(□)+용지도(L)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	용지 공통	□L-XXXX	PLN	2	CONT	용지 공통		
2	지적선	□L-LOTL	PLN	2	CONT	지적선		
3		□L-LOTL-PLAN	PLN	2	CONT	편입지적선		
4		□L-LOTL-ORIG	PLN	1	CONT	원지적선		
5		□L-LOTL-TEMP	PLN	1	A-DASHD01	가분할선		
6		□L-LOTL-FUTR	PLN	2	A-DASHD01	계획예정선(도시계획선)		
7	지번지목	□L-LOTT	T25	2	CONT	지번지목		
8		□L-LOTT-PLAN	T25	3	CONT	편입지번지목		
9		□L-LOTT-ORIG	T25	2	CONT	원지번지목		
10		□L-LOTT-SYMB	SYM	3	CONT	지적인출심벌		
11		□L-LOTT-LEAD	LIN	1	CONT	지적인출선		
12	부지경계	□L-BOND	PLN	6	CONT	계획부지/노반/도로 경계	A0013130	(건설예정도로)미분류
13	행정구역	□L-ADMN	PLN	6	CONT	행정구역	G0018110	(행정경계선)미분류
14		□L-ADMN-CITY	PLN	7	E-BOUND01	도특별광역시계	G0018112 G0010012 G0010013	특별시계 광역시계 도계
15		□L-ADMN-CNTY	PLN	6	A-PHATM01	시군구계	G0018113 G0018114 G0018115	시계 군계 구계
16		□L-ADMN-TOWN	PLN	6	A-CENTR01	읍면동리계	G0018116 G0018117 G0010118 G0018118 G0018119	읍계 법정동계 행정동계 면계 리계
17		□L-ADMN-NAME	T25	6	CONT	행정지명	H0049210 H0049211 H0049212 H0049213 H0049214 H0049215 H0049216 H0049217 H0049220 H0049221 H0049222 H0049223 H0049224 H0049225 H0049226	(주기)도시지역미분류 (주기)특별시 (주기)광역시 (주기)도 (주기)시 (주기)구 (주기)법정동 (주기)행정동 (주기)농어촌지역미분류 (주기)도 (주기)군 (주기)읍 (주기)면 (주기)리 (주기)자연부락
18	용지외곽경계	□L-OUTL	PLN	3	CONT	용지외곽경계		

□L : 분야코드(□)+용지도(L)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
19	주석(註釋)	□L-NOTE	T25	3	CONT	주석(註釋)		
20	이음(MATCH)	□L-MACL	LIN	6	A-CENTR01	이음선		
21		□L-MACT	T40	6	CONT	이음문자		
22	용지공 기타	□L-MISC	PLN	2	CONT	용지공 기타		

1.6 기타(Others) : □X

□X : 분야코드(□)+기타(X)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	기타 공통	□X-COMM	LIN	3	CONT	기타 공통		
2	도각	□X-BORD	LIN	3	CONT	도각(타이틀블럭)		
3		□X-BORD-LIN1	LIN	4	CONT	굵은 도각선		
4		□X-BORD-LIN2	LIN	3	CONT	일반 도각선		
5		□X-BORD-TEX1	T100	7	CONT	타이틀 도각문자		
6		□X-BORD-TEX2	T70	6	CONT	굵은 도각문자		
7		□X-BORD-TEX3	T40	4	CONT	일반 도각문자		
8	위치도	□X-LOCM	LIN	1	CONT	위치도		
9		□X-LOCM-BASE	LIN	1	CONT	위치도 기본도		
10		□X-LOCM-LINE	PLN	7	CONT	대상위치선		
11		□X-LOCM-TEXT	T30	4	CONT	대상위치문자		
12		□X-LOCM-MSIC	LIN	3	CONT	대상위치해칭 등		
13	KEY PLAN	□X-KEYP	LIN	1	CONT	KEY PLAN		
14		□X-KEYP-BASE	LIN	1	CONT	KEY PLAN 기본도		
15		□X-KEYP-LINE	PLN	7	CONT	시설대상선		
16		□X-KEYP-TEXT	T30	4	CONT	시설대상문자		
17		□X-KEYP-MISC	LIN	3	CONT	시설대상해칭 등		
18	공통범례	□X-LGND	LIN	3	CONT	공통범례		
19		□X-LGND-LINE	LIN	4	CONT	범례구성선		
20		□X-LGND-TEXT	T25	3	CONT	범례구성문자		
21		□X-LGND-MISC	LIN	2	CONT	범례구성 기타		
22	도면공간	□X-PAPR	PLN	2	CONT	도면공간 영역선		
23	축척	□X-SCAL	LIN	3	CONT	도면축척		
24		□X-SCAL-LINE	LIN	3	CONT	축척표시선		
25		□X-SCAL-TEXT	T40	4	CONT	축척표시문자		
26	3D	□X-3ROD	TIN	253	CONT	3D도로계획면		
27		□X-3FIL	TIN	40	CONT	3D 계획쌓기면		
28		□X-3CUT	TIN	200	CONT	3D 계획깍기면		
29		□X-3SDN	TIN	30	CONT	3D소단		
30		□X-3STR	TIN	130	CONT	3D주요구조물		
31		□X-3MIS	TIN	10	CONT	3D도로시설,기타		
32		□X-3EXT	TIN	3	CONT	3D기존지형		
33	기타	□X-MISC	LIN	2	CONT	기타		

2. 토목분야 레이어 목록

2.1 측량 및 토질(Survey & Geological) : CV

CV : 토목분야(C)+측량및토질(V)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	측량토질공통	CV-XXXX	LIN	2	CONT	측량지질 공통		
2	방위	CV-AZMU	SYM	3	CONT	방위		
3	도곽	CV-GRID	LIN	1	CONT	도곽		
4		CV-GRID-LINE	LIN	1	CONT	좌표 도곽선	H0037335	격자
5		CV-GRID-BORD	PLN	4	CONT	도곽 경계 외곽선	H0017334	도곽경계
6		CV-GRID-TEXT	T30	4	CONT	좌표 도곽문자	H0010500	주기(미분류)
7	측량	CV-SURV	LIN	2	CONT	측량		
8		CV-SURV-LINE	LIN	2	CONT	측량 기준선		
9		CV-SURV-TEXT	T25	3	CONT	측량 기준문자		
10		CV-SURV-SYMB	SYM	3	CONT	측량점 심벌	H0027312	수준점
11		CV-SURV-TABL	SYM	3	CONT	측량점 테이블		
12	보링주상	CV-BORE	LIN	3	CONT	보링주상		
13		CV-BORE-SYMB	SYM	3	CONT	보링주상 심벌		
14		CV-BORE-TEXT	T30	4	CONT	보링주상 문자		
15		CV-BORE-LINE	PLN	2	CONT	주상도선(종단)		
16		CV-BORE-MISC	LIN	1	CONT	주상도기타(해칭)		
17	계측	CV-MASR	LIN	4	CONT	계측		
18		CV-MASR-SYMB	SYM	4	CONT	계측기 심벌		
19		CV-MASR-TEXT	T30	3	CONT	계측관련 문자		
20		CV-MASR-MISC	LIN	2	CONT	계측관련 기타		
21	해양경계	CV-SBND	PLN	4	A-ISONS06	해양경계선	E0082121	해안선(육지)
22		CV-HBND	PLN	6	A-PHATM01	항계선		
23		CV-COST	PLN	3	CONT	해안선	E0082121	해안선(육지)
24	구역경계	CV-ZONE	PGN	7	A-DIVID01H	구역경계		
25		CV-ZONE-DIST	PGN	7	A-ISONS06	지구경계		
26		CV-ZONE-LAND	PGN	7	A-ISONS05	토지이용경계		
27		CV-ZONE-WORK	PGN	6	A-DIVID01H	공구경계		
28		CV-ZONE-BLOK	PGN	6	A-DASDT01H	단지경계		
29		CV-ZONE-AREA	PGN	4	CONT	면적경계		
30	제원테이블	CV-TABL	LIN	3	CONT	제원테이블		
31		CV-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
32		CV-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
33		CV-TABL-TEX1	T40	6	CONT	제원테이블 제목문자		
34		CV-TABL-TEX2	T25	3	CONT	제원테이블 내용문자		
35	문자	CV-TEXT	T25	3	CONT	문자공통		
36	치수	CV-DIMS	LIN	1	CONT	치수공통		
37		CV-DIML	LIN	1	CONT	치수선		
38		CV-DIMT	T25	3	CONT	치수문자		
39	인출	CV-LEAD	LIN	1	CONT	인출공통		
40		CV-LEAL	LIN	1	CONT	인출선		
41	인출	CV-LEAT	T25	3	CONT	인출문자		

CV : 토목분야(C)+측량및토질(V)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
42	주석(註釋)	CV-NOTE	T25	3	CONT	주석(註釋)		
43	이음(MATCH)	CV-MACL	LIN	6	A-CENTR01	이음선		
44		CV-MACT	T40	6	CONT	이음문자		
45	측량지질기타	CV-MISC	LIN	2	CONT	측량지질 기타		

2.2 기하구조(Alignments) : CA

CA : 토목분야(C)+기하구조(A)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	기하구조공통	CA-XXXX	LIN	2	CONT	기하구조 공통		
2	선형	CA-ALGN	LIN	2	CONT	선형		
3		CA-ALGN-CNTL	PLN	2	CONT	중심선	A0023210	(도로중심선)미분류
							A0023211	(도로중심선)고속국도
							A0023212	(도로중심선)일반국도
							A0023213	(도로중심선)지방도
							A0023214	(도로중심선)특별시도
							A0023215	(도로중심선)시도
							A0023216	(도로중심선)군도
							A0023217	(도로중심선)면리간도로
							E0022115	하천중심선
							A0171119	철도중심선
4		CA-ALGN-IPLN	LIN	1	CONT	IP측선		
5		CA-ALGN-TEXT	T25	3	CONT	선형문자(측점,IP)	H0049111	(주기)도로
6		CA-ALGN-STSM	SYM	2	CONT	측점심벌		
7		CA-ALGN-IPSM	SYM	2	CONT	IP심벌		
8		CA-ALGN-TBSM	SYM	2	CONT	IP제원심벌		
9		CA-ALGN-SUBL	LIN	1	CONT	선형보조선		
10		CA-ALGN-SUBT	T25	2	CONT	선형보조문자		
11		CA-ALGN-SUBS	SYM	2	CONT	선형보조심벌		
12	경계	CA-BORD	PLN	4	CONT	경계		
13		CA-BORD-ROAD	PLN	7	CONT	도로경계	A0013110	(기존도로)미분류
							A0013111	(기존도로)고속국도
							A0013112	(기존도로)일반국도
							A0013113	(기존도로)지방도
							A0013114	(기존도로)특별시, 광역시
							A0013115	(기존도로)시도
							A0013116	(기존도로)군도
							A0013117	(기존도로)면리간도로
							A0013118	부지안도로
							A0023119	소로
14		CA-BORD-RIVR	PLN	6	CONT	하천경계	E0012110	(하천)미분류
							E0032111	실폭하천
							E0012112	세류
							E0012113	건천
							E0052114	호수,저수지
15		CA-BORD-BANK	PLN	4	CONT	제방경계	C0052210	(제방)미분류
							C0052211	콘크리트제방(상단)
							C0052212	콘크리트제방(하단)
15	경계	CA-BORD-BANK	PLN	4	CONT	제방경계	C0052213	흙제방(상단)

CA : 토목분야(C)+기하구조(A)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
							C0052214 C0052215	흙제방(하단) 기호제방
16		CA-BORD-RAIL	PLN	7	CONT	철도경계(노반)	A0160024	철도부지선
17		CA-BORD-SHLD	PLN	3	CONT	길어깨선		
18		CA-BORD-WALK	PLN	3	CONT	보도경계	A0033324	인도
19		CA-BORD-MEDN	PLN	2	CONT	중앙분리대(경계)	C0523121	도로분리대
20	편경사	CA-SPEL	LIN	4	CONT	편경사		
21		CA-SPEL-LEFT	LIN	4	CONT			
22		CA-SPEL-RIGH	LIN	4	A-DASHD01	편경사선(우)		
23	제원테이블	CA-TABL	LIN	3	CONT	제원테이블		
24		CA-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
25		CA-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
26		CA-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
27		CA-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
28	문자	CA-TEXT	T25	3	CONT	문자공통		
29	치수	CA-DIMS	LIN	1	CONT	치수공통		
30		CA-DIML	LIN	1	CONT	치수선		
31		CA-DIMT	T25	3	CONT	치수문자		
32	인출	CA-LEAD	LIN	1	CONT	인출공통		
33		CA-LEAL	LIN	1	CONT	인출선		
34		CA-LEAT	T25	3	CONT	인출문자		
35	심벌	CA-SYMB	SYM	3	CONT	심벌공통		
36	해칭	CA-PATT	PAT	1	CONT	해칭공통		
37	주석(註釋)	CA-NOTE	T25	3	CONT	주석(註釋)		
38	이음(MATCH)	CA-MACL	LIN	7	A-CENTR01	이음선		
39		CA-MACT	T40	7	CONT	이음문자		
40	기하구조기타	CA-MISC	LIN	2	CONT	기하구조 기타		

2.3 토공(Earthworks) : CE

CE : 토목분야(C)+토공(E)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	토공 공통	CE-XXXX	PLN	3	CONT	토공 공통		
2	계획등고선	CE-CONT	PLN	3	CONT	계획등고선		
3		CE-CONT-MAJR	PLN	4	CONT	계곡선	F0017114	(볼록지)계곡선
4		CE-CONT-MINR	PLN	1	CONT	주곡선	F0017111	(볼록지)주곡선
5		CE-CONT-SUB1	PLN	3	A-DASHD01	간곡선(녹지대1)	F0017112	(볼록지)간곡선
6		CE-CONT-SUB2	PLN	2	A-HIDDN01	조곡선(녹지대2)	F0017113	(볼록지)조곡선
7		CE-CONT-TEXT	T25	3	CONT	등고선 문자	F0017131	등고수치
8	해양등심	CE-SCNT	PLN	3	CONT	해양등심선		
9		CE-SCNT-MAJR	PLN	4	CONT	주등심선	F0017114	(볼록지)계곡선
10		CE-SCNT-MINR	PLN	2	CONT	보조등심선	F0017111	(볼록지)주곡선
11		CE-SCNT-TEXT	T25	3	CONT	등심문자	F0017131	등고수치
12	등지층	CE-GLAY	PLN	3	CONT	등지층선		
13		CE-GLAY-LIN1	PLN	2	CONT	연질토사층		
14		CE-GLAY-TEX1	T20	3	CONT	연질토사층 문자		
15		CE-GLAY-LIN2	PLN	2	CONT	중질토사층		
16		CE-GLAY-TEX2	T20	3	CONT	중질토사층 문자		
17		CE-GLAY-LIN3	PLN	2	CONT	경질토사층		
18		CE-GLAY-TEX3	T20	3	CONT	경질토사층 문자		
19		CE-GLAY-LIN4	PLN	2	CONT	최경질토사층		
20		CE-GLAY-TEX4	T20	3	CONT	최경질토사층 문자		
21		CE-GLAY-LIN5	PLN	2	CONT	기반암		
22		CE-GLAY-TEX5	T20	3	CONT	기반암 등지층문자		
23	표고	CE-SPOT	SYM	1	CONT	표고		
24		CE-SPOT-TEXT	T20	1	CONT	표고 문자	F0027132	표고점수치
25		CE-SPOT-SYMB	SYM	2	CONT	표고점 심벌	F0027217	표고점
26	비탈면안정	CE-STAB	LIN	4	CONT	비탈면안정공법	F0047228	경사보호망
27	비탈면구성	CE-SLOP	LIN	1	CONT	비탈면		
28		CE-SLOP-NATR	SYM	1	CONT	자연 비탈면		
29		CE-SLOP-FILL	LIN	1	CONT	성토비탈면(해칭)		
30		CE-SLOP-CUTT	LIN	2	CONT	절토비탈면(해칭)		
31		CE-SLOP-BORD	PLN	4	CONT	비탈면 경계	F0037221 F0037223 F0037222	성토(상단) 성토(하단) 절토(상단)
32		CE-SLOP-MISC	LIN	3	CONT	비탈면 기타		
33	암층구성	CE-ROCK	PLN	2	CONT	암선		
34		CE-ROCK-RIPP	PLN	1	A-CENTR01	리핑암		
35		CE-ROCK-BLST	PLN	2	A-PHATM01	발파암		
36		CE-ROCK-WETH	PLN	1	A-ISONS04	풍화암		
37		CE-ROCK-SOFT	PLN	2	A-CENTR01	연암		
38	암층구성	CE-ROCK-MEDM	PLN	1	A-ISONS06	보통암		

CE : 토목분야(C)+토공(E)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
39		CE-ROCK-HARD	PLN	2	A-PHATM01	경암		
40	지반구성	CE-GRND	PLN	2	CONT	지반선		
41		CE-SBED	PLN	1	CONT	해저선		
42		CE-EXCV	PLN	2	CONT	굴착선		
43	지반개량	CE-IMPV	PLN	4	CONT	지반개량		
44		CE-IMPV-BOND	PLN	6	A-PHATM01	지반개량 경계		
45		CE-IMPV-LIN1	PLN	7	CONT	지반개량 실선		
46		CE-IMPV-LIN2	PLN	7	A-DASHD01	지반개량 파선		
47		CE-IMPV-LIN3	PLN	7	A-CENTR01	지반개량 보조선		
48		CE-IMPV-SYMB	SYM	4	CONT	지반개량 심벌		
49		CE-IMPV-TEXT	T25	3	CONT	지반개량 문자		
50		CE-IMPV-PATT	PAT	1	CONT	지반개량 해칭		
51		CE-IMPV-MISC	LIN	3	CONT	지반개량 기타		
52	준설	CE-DREG	PLN	6	CONT	준설		
53		CE-DREG-BOND	PLN	6	A-PHATM01	준설 경계		
54		CE-DREG-LIN1	PLN	7	CONT	준설 실선		
55		CE-DREG-LIN2	PLN	7	A-DASHD01	준설 파선		
56		CE-DREG-LIN3	PLN	7	A-CENTR01	준설 보조선		
57		CE-DREG-SYMB	SYM	4	CONT	준설 심벌		
58		CE-DREG-TEXT	T25	3	CONT	준설 문자		
59		CE-DREG-PATT	PAT	1	CONT	준설 해칭		
60		CE-DREG-MISC	LIN	3	CONT	준설 기타		
61	매립	CE-RCLM	PLN	6	CONT	매립		
62		CE-RCLM-BOND	PLN	6	A-PHATM01	매립 경계	C0205340	(매립기타)미분류
63		CE-RCLM-LIN1	PLN	7	CONT	매립 실선		
64		CE-RCLM-LIN2	PLN	7	A-DASHD01	매립 파선		
65		CE-RCLM-LIN3	PLN	7	A-CENTR01	매립 참조선		
66		CE-RCLM-SYMB	SYM	4	CONT	매립 심벌	C0205343	토사매립지
67		CE-RCLM-TEXT	T25	3	CONT	매립 문자		
68		CE-RCLM-PATT	PAT	1	CONT	매립 해칭		
69		CE-RCLM-MISC	LIN	3	CONT	매립 기타		
70	제원테이블	CE-TABL	LIN	3	CONT	제원테이블		
71		CE-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
72		CE-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
73		CE-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
74		CE-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
75	문자	CE-TEXT	T25	3	CONT	문자공통		
76	치수	CE-DIMS	LIN	1	CONT	치수공통		
77		CE-DIML	LIN	1	CONT	치수선		
78		CE-DIMT	T25	3	CONT	치수문자		
79	인출	CE-LEAD	LIN	1	CONT	인출공통		
80		CE-LEAL	LIN	1	CONT	인출선		
81	인출	CE-LEAT	T25	3	CONT	인출문자		

CE : 토목분야(C)+토공(E)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
82	심벌	CE-SYMB	SYM	3	CONT	심벌공통		
83	해칭	CE-PATT	PAT	1	CONT	해칭공통		
84	주석(註釋)	CE-NOTE	T25	3	CONT	주석(註釋)		
85	이음(MATCH)	CE-MACL	LIN	6	A-CENTR01	이음선		
86		CE-MACT	T40	6	CONT	이음문자		
87	중심선	CE-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
88	절단선	CE-CUTL	PLN	1	A-CENTR01	절단선		
89	은선(파단선)	CE-HIDL	PLN	2	A-DASHD01	은선(파단선)		
90	토공 기타	CE-MISC	LIN	2	CONT	토공 기타		

2.4 토목시설(Facilities) : CF

CF : 토목분야(C)+토목시설(F)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	토목시설공통	CF-XXXX	PLN	6	CONT	토목시설 공통		
2	건축물	CF-BLDG	PGN	6	CONT	건축물	B0014110	(건물경계)미분류
3		CF-BLDG-SRVC	PGN	7	CONT	휴게소	B0014111	주택외건물
							C0443363	휴게소
4		CF-BLDG-TGAT	PGN	7	CONT	영업소	B0014111	주택외건물
5		CF-BLDG-STAN	PGN	7	CONT	역사건물	B0014111	주택외건물
							A0131122	정거장
6		CF-BLDG-BASE	PGN	7	CONT	기지건물	B0014111	주택외건물
7		CF-BLDG-MANT	PGN	6	CONT	관리동	B0014111	주택외건물
8		CF-BLDG-PASS	PGN	7	CONT	여객시설	B0014111	주택외건물
9		CF-BLDG-CARG	PGN	7	CONT	화물시설	B0014111	주택외건물
10		CF-BLDG-STOR	PGN	6	CONT	저장시설	C0176320	(저장시설)미분류
11		CF-BLDG-BUST	PGN	7	CONT	버스정차대	A0143411	(정류장)버스정류장
12		CF-BLDG-MISC	PGN	6	CONT	기타 건축물	B0014110	(건물경계)미분류
13		CF-BLDG-TEXT	T30	4	CONT	건물문자	H0049140	(주기)건물미분류
							H0049146	(주기)서비스시설
14	도로	CF-ROAD	PLN	6	CONT	도로시설		
15		CF-ROAD-BOND	PLN	6	CONT	도로경계	A0013110	(기존도로)미분류
							A0013111	(기존도로)고속국도
							A0013112	(기존도로)일반국도
							A0013113	(기존도로)지방도
							A0013114	(기존도로)특별시, 광역시
							A0013115	(기존도로)시도
							A0013116	(기존도로)군도
							A0013117	(기존도로)면리간도로
							A0013118	부지안도로
							A0023119	소로
16		CF-ROAD-BIKE	PLN	4	CONT	자전거도로	A0033327	자전거도로
17		CF-BORD-SHLD	PLN	3	CONT	길어깨 경계선		
18		CF-ROAD-CURB	PLN	4	CONT	보차도 경계선	A0033324	인도
19		CF-ROAD-MISC	LIN	2	CONT	도로 기타		
20	철도	CF-RAIL	PLN	4	CONT	철도시설		
21		CF-RAIL-BOND	PLN	4	CONT	철도경계(노반)	A0160024	철도부지선
22		CF-RAIL-LANE	PLN	4	E-UTIL01	철도레일	A0151110	(실폭선로)미분류
							A0151111	(실폭선로)보통철도
							A0151112	특수철도
							A0151113	(실폭선로)특수철도
							A0151114	(실폭선로)터널안 철도
							A0151115	(실폭선로)건설중 철도
22	철도	CF-RAIL-LANE	PLN	4	E-UTIL01	철도레일	A0151116	지하철(지상부)

CF : 토목분야(C)+토목시설(F)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
							A0151117	삭도
23		CF-RAIL-CROS	PGN	3	CONT	철도건널목		
24		CF-RAIL-EQPM	LIN	3	CONT	철도설비		
25		CF-RAIL-MISC	LIN	2	CONT	철도 기타		
26	철도보조시설	CF-RSPT	LIN	3	CONT	철도보조시설		
27	철도부속설비	CF-EQUP	LIN	3	CONT	철도부속설비		
28		CF-EQUP-TURN	LIN	6	CONT	분기기		
29		CF-EQUP-WELD	LIN	4	CONT	레일용접		
30		CF-EQUP-TIES	PLN	4	CONT	침목		
31		CF-EQUP-CLIP	LIN	3	CONT	레일클립		
32		CF-EQUP-MISC	LIN	3	CONT	기타 부속설비		
33	처리장	CF-TRET	PGN	4	CONT	처리장	B0014340	(하수처리)미분류
							B0014341	하수종말처리장
							B0014342	공단폐수처리장
							B0014343	축산폐수처리장
							B0014344	농공단지오폐수
							B0014345	간이오수처리장
							B0014346	분뇨처리장
34	체육시설	CF-SPOT	PGN	4	CONT	체육시설	C0385320	(체육시설)미분류
							C0385321	골프장
							C0385322	테니스장
							C0385323	운동장
							C0385324	어린이놀이터
							C0385325	스키장
35	정차장(정거장)	CF-STAN	PGN	4	CONT	정차장		
36		CF-STAN-EXST	PGN	4	A-DASHD01	기존 정차장		
37		CF-STAN-NEWC	PGN	7	CONT	신규 정차장	A0131122	정거장
38		CF-STAN-MISC	PLN	6	A-DASHD01	정차장 기타		
39		CF-STAN-TEXT	T40	4	CONT	정차장 관련문자		
40	승강장(홈)	CF-PLFM	PGN	4	CONT	승강장(홈)		
41		CF-PLFM-EXST	PGN	4	A-DASHD01	기존 승강장		
42		CF-PLFM-NEWC	PGN	7	CONT	신규 승강장	A0191221	플랫폼
43		CF-PLFM-MISC	PLN	4	A-DASHD01	승강장 기타		
44	출입구/통로	CF-PASS	LIN	3	CONT	출입구/통로		
45		CF-PASS-EXST	LIN	4	A-DASHD01	기존 출입구/통로		
46		CF-PASS-NEWC	LIN	6	CONT	신규 출입구/통로	A0151224	지하철역 출입구
47		CF-PASS-MISC	LIN	3	A-DASHD01	출입구/통로 기타		
48		CF-PASS-ELEV	LIN	3	CONT	운송시설(엘레베이터등)		
49	환기구	CF-VENT	LIN	3	CONT	환기구		
50		CF-VENT-NEWC	LIN	6	CONT	신규 환기구	C0476355	지하철 환기통
51		CF-VENT-MISC	LIN	3	A-DASHD01	환기구 기타		
52	건널목	CF-CROS	PGN	3	CONT	건널목		
53	건널목	CF-CROS-NEWC	PGN	4	CONT	신규 건널목		

CF : 토목분야(C)+토목시설(F)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
54		CF-CROS-MISC	LIN	2	A-DASHD01	건널목 기타		
55	지하(차)도	CF-UPAS	PGN	4	CONT	지하(차)도		
56		CF-UPAS-NEWC	PGN	7	CONT	신규 지하(차)도	C0453322	지하도
57		CF-UPAS-MISC	LIN	3	A-DASHD01	지하(차)도 기타		
58	육교	CF-OPAS	PGN	4	CONT	육교		
59		CF-OPAS-NEWC	PGN	6	CONT	신규 육교	A0063321	육교
60		CF-OPAS-MISC	LIN	3	A-DASHD01	육교 기타		
61	교량	CF-BRDG	PGN	6	CONT	교량		
62		CF-BRDG-EXST	PGN	6	A-DASHD01	기존교량		
63		CF-BRDG-NEWC	PGN	6	CONT	신규교량	A0073340	(다리)미분류
							A0073341	(다리)콘크리트교
							A0073342	(다리)강교
							A0073343	(다리)목교
							A0151118	고가부(도로시설)
64		CF-BRDG-MISC	PLN	6	A-HIDDN01	교대/교각 등		
65		CF-BRDG-TEXT	T30	4	A-DASHD01	교량문자	H0049114	(주기)다리
							H0049123	(주기)철교
66	터널	CF-TUNL	PGN	6	CONT	터널		
67		CF-TUNL-NEWC	PGN	6	A-DASHD01X	신규터널	A0110020	터널
68		CF-TUNL-MISC	PGN	6	CONT	갱구부 등	A0123373	터널입구
69		CF-TUNL-TEXT	T30	4	CONT	터널문자	H0049115	(주기)터널
							H0049124	(주기)철도터널
70	부대시설	CF-INST	PGN	7	CONT	부대시설		
71		CF-INST-SPOT	PLN	6	CONT	운동시설	C0385320	(체육시설)미분류
							C0385321	골프장
							C0385322	테니스장
							C0385323	운동장
							C0385324	어린이놀이터
							C0385325	스키장
72		CF-INST-MISC	PGN	4	CONT	기타 처리시설	B0014340	(하수처리)미분류
							B0014341	하수종말처리장
							B0014342	공단폐수처리장
							B0014343	축산폐수처리장
							B0014344	농공단지오폐수
							B0014345	간이오수처리장
							B0014346	분뇨처리장
73		CF-INST-TEXT	T30	4	CONT	부대시설문자	H0049160	(주기)시설물미분류
74	옹벽	CF-RTWL	PLN	6	CONT	옹벽		
75		CF-RTWL-CONC	PLN	7	A-ISONS04	콘크리트옹벽	F0047224	콘크리트옹벽(상단)
							F0047225	콘크리트옹벽(하단)
76		CF-RTWL-STON	PLN	6	D-SWALL01	석축	F0047226	석축(상단)
							F0047227	석축(하단)
77	옹벽	CF-RTWL-EATH	PLN	7	D-BWALL02	보강토 옹벽		

CF : 토목분야(C)+토목시설(F)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
78		CF-RTWL-MISC	PLN	6	CONT	기타 옹벽		
79	경계	CF-BOND	PLN	4	CONT	경계		
80		CF-BOND-AREA	PLN	7	A-DASHD01X	시설경계	G0038215	국토계획관련지역
81		CF-BOND-WALL	PLN	4	D-BWALL02	담장	B0024120 B0024121 B0024122 B0024123 B0024124 B0024127	(담장)미분류 콘크리트돌담 판자담 생울타리 흙담 문주
82		CF-BOND-FENC	PLN	4	E-FENCE01	휀스	B0024125 B0024126	철조망 철책
83		CF-BOND-GATE	SYM	3	CONT	게이트		
84		CF-BOND-MISC	PLN	4	CONT	기타		
85	조경	CF-LAND	PGN	7	CONT	조경영역(녹지)		
86	급유	CF-OILS	PLN	6	CONT	급유시설		
87		CF-OILS-PIPE	PLN	6	CONT	급유관(송유관)	C0246123	(수송관-지상)송유관
88		CF-OILS-MANH	SYM	7	CONT	집유정	C0176322	저유조
89	핏트	CF-CPIT	PLN	4	CONT	배전핏트(PIT)	C0246344	전기맨홀
90	트레이	CF-TRAY	PLN	4	CONT	트레이		
91	트러프	CF-TRUF	PLN	4	CONT	트러프		
92	제원테이블	CF-TABL	LIN	3	CONT	제원테이블		
93		CF-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
94		CF-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
95		CF-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
96		CF-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
97	문자	CF-TEXT	T25	3	CONT	문자공통		
98	치수	CF-DIMS	LIN	1	CONT	치수공통		
99		CF-DIML	LIN	1	CONT	치수선		
100		CF-DIMT	T25	3	CONT	치수문자		
101	인출	CF-LEAD	LIN	1	CONT	인출공통		
102		CF-LEAL	LIN	1	CONT	인출선		
103		CF-LEAT	T25	3	CONT	인출문자		
104	심벌	CF-SYMB	SYM	3	CONT	심벌공통		
105	해칭	CF-PATT	PAT	1	CONT	해칭공통		
106	주석(註釋)	CF-NOTE	T25	3	CONT	주석(註釋)		
107	이음(MATCH)	CF-MACL	LIN	7	A-CENTR01	이음선		
108		CF-MACT	T40	7	CONT	이음문자		
109	중심선	CF-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
110	절단선	CF-CUTL	PLN	1	A-CENTR01	절단선		
111	은선(파단선)	CF-HIDL	PLN	2	A-DASHD01	은선(파단선)		
112	토목시설기타	CF-MISC	PLN	4	CONT	토목시설 기타		

2.5 우배수공(Storm Drainage system) : CD

CD : 토목분야(C)+우배수공(D)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	우배수공공통	CD-XXXX	PLN	4	CONT	우배수공 공통		
2	우배수유역	CD-AREA	PLN	7	A-CENTR01H	우배수유역	G0022316	집수경계(하수)
3	측구공공통	CD-SDCH	PLN	4	CONT	측구공통	A0013311	측구
4	V형측구	CD-SDLV	PLN	4	CONT	V형측구	A0013311	측구
5		CD-SDLV-TYP0	PLN	4	H-DICHV00	V형측구-형식	A0013311	측구
6		CD-SDLV-TYP1	PLN	4	H-DICHV01	V형측구-형식1	A0013311	측구
7		CD-SDLV-TYP2	PLN	4	H-DICHV02	V형측구-형식2	A0013311	측구
8		CD-SDLV-TYP3	PLN	4	H-DICHV03	V형측구-형식3	A0013311	측구
9		CD-SDLV-TYP4	PLN	4	H-DICHV04	V형측구-형식4	A0013311	측구
10		CD-SDLV-TYP5	PLN	4	H-DICHV05	V형측구-형식5	A0013311	측구
11		CD-SDLV-TYP6	PLN	4	H-DICHV06	V형측구-형식6	A0013311	측구
12		CD-SDLV-TYP7	PLN	4	H-DICHV07	V형측구-형식7	A0013311	측구
13		CD-SDLV-TYP8	PLN	4	H-DICHV08	V형측구-형식8	A0013311	측구
14		CD-SDLV-TYP9	PLN	4	H-DICHV09	V형측구-형식9	A0013311	측구
15		CD-SDLV-TYP10	PLN	4	H-DICHV10	V형측구-형식10	A0013311	측구
16		CD-SDLV-TYP11	PLN	4	H-DICHV11	V형측구-형식11	A0013311	측구
17		CD-SDLV-TYP12	PLN	4	H-DICHV12	V형측구-형식12	A0013311	측구
18		CD-SDLV-TYPn	PLN	4	H-DICHVn	V형측구-형식n	A0013311	측구
19	U형측구	CD-SDLU	PLN	4	CONT	U형측구	A0013311	측구
20		CD-SDLU-TYP0	PLN	4	H-DICHU00	U형측구-형식	A0013311	측구
21		CD-SDLU-TYP1	PLN	4	H-DICHU01	U형측구-형식1	A0013311	측구
22		CD-SDLU-TYP2	PLN	4	H-DICHU02	U형측구-형식2	A0013311	측구
23		CD-SDLU-TYP3	PLN	4	H-DICHU03	U형측구-형식3	A0013311	측구
24		CD-SDLU-TYP4	PLN	4	H-DICHU04	U형측구-형식4	A0013311	측구
25		CD-SDLU-TYP5	PLN	4	H-DICHU05	U형측구-형식5	A0013311	측구
26		CD-SDLU-TYP6	PLN	4	H-DICHU06	U형측구-형식6	A0013311	측구
27		CD-SDLU-TYP7	PLN	4	H-DICHU07	U형측구-형식7	A0013311	측구
28		CD-SDLU-TYP8	PLN	4	H-DICHU08	U형측구-형식8	A0013311	측구
29		CD-SDLU-TYP9	PLN	4	H-DICHU09	U형측구-형식9	A0013311	측구
30		CD-SDLU-TYP10	PLN	4	H-DICHU10	U형측구-형식10	A0013311	측구
31		CD-SDLU-TYP11	PLN	4	H-DICHU11	U형측구-형식11	A0013311	측구
32		CD-SDLU-TYP12	PLN	4	H-DICHU12	U형측구-형식12	A0013311	측구
33		CD-SDLU-TYPn	PLN	4	H-DICHUn	U형측구-형식n	A0013311	측구
34	L형측구	CD-SDLL	PLN	4	CONT	L형측구	A0013311	측구
35		CD-SDLL-TYP0	PLN	4	H-DICHL00	L형측구-형식	A0013311	측구
36		CD-SDLL-TYP1	PLN	4	H-DICHL01	L형측구-형식1	A0013311	측구
37		CD-SDLL-TYP2	PLN	4	H-DICHL02	L형측구-형식2	A0013311	측구
38		CD-SDLL-TYP3	PLN	4	H-DICHL03	L형측구-형식3	A0013311	측구
39		CD-SDLL-TYP4	PLN	4	H-DICHL04	L형측구-형식4	A0013311	측구
40	L형측구	CD-SDLL-TYP5	PLN	4	H-DICHL05	L형측구-형식5	A0013311	측구

CD : 토목분야(C)+우배수공(D)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
41		CD-SDLL-TYP6	PLN	4	H-DICHL06	L형측구-형식6	A0013311	측구
42		CD-SDLL-TYP7	PLN	4	H-DICHL07	L형측구-형식7	A0013311	측구
43		CD-SDLL-TYP8	PLN	4	H-DICHL08	L형측구-형식8	A0013311	측구
44		CD-SDLL-TYP9	PLN	4	H-DICHL09	L형측구-형식9	A0013311	측구
45		CD-SDLL-TYP10	PLN	4	H-DICHL10	L형측구-형식10	A0013311	측구
46		CD-SDLL-TYP11	PLN	4	H-DICHL11	L형측구-형식11	A0013311	측구
47		CD-SDLL-TYP12	PLN	4	H-DICHL12	L형측구-형식12	A0013311	측구
48		CD-SDLL-TYPn	PLN	4	H-DICHLn	L형측구-형식n	A0013311	측구
49	산마루측구	CD-SDLB	PLN	3	CONT	산마루측구	A0013311	측구
50		CD-SDLB-TYP0	PLN	3	H-DICHB00	산마루측구-형식	A0013311	측구
51		CD-SDLB-TYP1	PLN	3	H-DICHB01	산마루측구-형식1	A0013311	측구
52		CD-SDLB-TYP2	PLN	3	H-DICHB02	산마루측구-형식2	A0013311	측구
53		CD-SDLB-TYP3	PLN	3	H-DICHB03	산마루측구-형식3	A0013311	측구
54		CD-SDLB-TYP4	PLN	3	H-DICHB04	산마루측구-형식4	A0013311	측구
55		CD-SDLB-TYPn	PLN	3	H-DICHBn	산마루측구-형식n	A0013311	측구
56	J형측구	CD-SDLJ	PLN	4	CONT	J형측구	A0013311	측구
57		CD-SDLJ-TYP1	PLN	4	H-DICHJ01	J형측구1	A0013311	측구
58		CD-SDLJ-TYP2	PLN	4	H-DICHJ02	J형측구2	A0013311	측구
59		CD-SDLJ-TYP3	PLN	4	H-DICHJ03	J형측구3	A0013311	측구
60	L/O형측구	CD-SDLO	PLN	4	CONT	L/O형측구	A0013311	측구
61		CD-SDLO-TYP0	PLN	4	H-DICHO00	L/O형측구-형식	A0013311	측구
62		CD-SDLO-TYP1	PLN	4	H-DICHO01	L/O형측구-형식1	A0013311	측구
63		CD-SDLO-TYP2	PLN	4	H-DICHO02	L/O형측구-형식2	A0013311	측구
64		CD-SDLO-TYP3	PLN	4	H-DICHO03	L/O형측구-형식3	A0013311	측구
65		CD-SDLO-TYP4	PLN	4	H-DICHO04	L/O형측구-형식4	A0013311	측구
66		CD-SDLO-TYP5	PLN	4	H-DICHO05	L/O형측구-형식5	A0013311	측구
67		CD-SDLO-TYPn	PLN	4	H-DICHOn	L/O형측구-형식n	A0013311	측구
68	맹암거	CD-SDLM	PLN	4	CONT	맹암거		
69		CD-SDLM-TYP0	PLN	4	H-DICHM00	맹암거-형식		
70		CD-SDLM-TYP1	PLN	4	H-DICHM01	맹암거-형식1		
71		CD-SDLM-TYP2	PLN	4	H-DICHM02	맹암거-형식2		
72		CD-SDLM-TYP3	PLN	4	H-DICHM03	맹암거-형식3		
73		CD-SDLM-TYP4	PLN	4	H-DICHM04	맹암거-형식4		
74		CD-SDLM-TYP5	PLN	4	H-DICHM05	맹암거-형식5		
75		CD-SDLM-TYPn	PLN	4	H-DICHMn	맹암거-형식n		
76	다이크	CD-SDLD	PLN	4	CONT	다이크		
77		CD-SDLD-TYP0	PLN	4	H-DICHD00	다이크-형식		
78		CD-SDLD-TYP1	PLN	4	H-DICHD01	다이크-형식1		
79		CD-SDLD-TYP2	PLN	4	H-DICHD02	다이크-형식2		
80		CD-SDLD-TYP3	PLN	4	H-DICHD03	다이크-형식3		
81		CD-SDLD-TYP4	PLN	4	H-DICHD04	다이크-형식4		
82		CD-SDLD-TYP5	PLN	4	H-DICHD05	다이크-형식5		
83	다이크	CD-SDLD-TYPn	PLN	4	H-DICHDn	다이크-형식n		

CD : 토목분야(C)+우배수공(D)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
84	용수개거	CD-SDLY	PLN	4	CONT	용수개거	E0062273	농업용수로(지상)
85		CD-SDLY-TYP0	PLN	4	H-CANAL00	용수개거-형식	E0062273	농업용수로(지상)
86		CD-SDLY-TYP1	PLN	4	H-CANAL01	용수개거-형식1	E0062273	농업용수로(지상)
87		CD-SDLY-TYP2	PLN	4	H-CANAL02	용수개거-형식2	E0062273	농업용수로(지상)
88		CD-SDLY-TYP3	PLN	4	H-CANAL03	용수개거-형식3	E0062273	농업용수로(지상)
89		CD-SDLY-TYP4	PLN	4	H-CANAL04	용수개거-형식4	E0062273	농업용수로(지상)
90		CD-SDLY-TYP5	PLN	4	H-CANAL05	용수개거-형식5	E0062273	농업용수로(지상)
91		CD-SDLY-TYP6	PLN	4	H-CANAL06	용수개거-형식6	E0062273	농업용수로(지상)
92		CD-SDLY-TYP7	PLN	4	H-CANAL07	용수개거-형식7	E0062273	농업용수로(지상)
93		CD-SDLY-TYP8	PLN	4	H-CANAL08	용수개거-형식8	E0062273	농업용수로(지상)
94		CD-SDLY-TYP9	PLN	4	H-CANAL09	용수개거-형식9	E0062273	농업용수로(지상)
95		CD-SDLY-TYP10	PLN	4	H-CANAL10	용수개거-형식10	E0062273	농업용수로(지상)
96		CD-SDLY-TYP11	PLN	4	H-CANAL11	용수개거-형식11	E0062273	농업용수로(지상)
97		CD-SDLY-TYP12	PLN	4	H-CANAL12	용수개거-형식12	E0062273	농업용수로(지상)
98		CD-SDLY-TYP13	PLN	4	H-CANAL13	용수개거-형식13	E0062273	농업용수로(지상)
99		CD-SDLY-TYP14	PLN	4	H-CANAL14	용수개거-형식14	E0062273	농업용수로(지상)
100		CD-SDLY-TYP15	PLN	4	H-CANAL15	용수개거-형식15	E0062273	농업용수로(지상)
101		CD-SDLY-TYP16	PLN	4	H-CANAL16	용수개거-형식16	E0062273	농업용수로(지상)
102		CD-SDLY-TYP17	PLN	4	H-CANAL17	용수개거-형식17	E0062273	농업용수로(지상)
103		CD-SDLY-TYP18	PLN	4	H-CANAL18	용수개거-형식18	E0062273	농업용수로(지상)
104		CD-SDLY-TYPn	PLN	4	H-CANALn	용수개거-형식n	E0062273	농업용수로(지상)
105	토사 측구	CD-SDLT	PLN	4	H-DICHT00	토사 측구		
106		CD-SDLT-TYP0	PLN	4	H-DICHT00	토사 측구-형식		
107	소단측구	CD-SODN	PLN	4	CONT	소단측구		
108		CD-SODN-TYP1	PLN	4	H-DICHL00	소단측구1(L형)		
109		CD-SODN-TYP2	PLN	4	H-DICHG00	소단측구2(PE)		
110		CD-SODN-TYP3	PLN	4	H-DICHG00	소단측구3(반월관)		
111	암거	CD-BOXC	PGN	4	CONT	암거		
112		CD-BOXC-EXST	PGN	3	A-DASHD01	기존암거		
113		CD-BOXC-PATH	PGN	4	CONT	통로암거	C0076116	암거
114		CD-BOXC-WATR	PGN	4	CONT	수로암거	C0076116	암거
115		CD-BOXC-BOTH	PGN	4	CONT	통수로암거	C0076116	암거
116		CD-BOXC-WALL	PLN	4	CONT	암거 날개벽,면벽	C0076116	암거
117	수문	CD-GATE	PLN	3	CONT	수문	C0062241	수문
118		CD-GATE-DRAN	PLN	3	CONT	배수문	C0062242	배수갑문
119		CD-GATE-INTK	PLN	3	CONT	취수문	C0062241	수문
120		CD-GATE-WALL	PLN	4	CONT	수문 날개벽,면벽	C0062241	수문
121	수로	CD-CHNL	PLN	3	CONT	수로		
122		CD-CHNL-DRAN	PLN	3	CONT	도수로	E0062270	(용수로)미분류
123		CD-CHNL-INTK	PLN	3	CONT	용수로	E0062270 E0062273 E0062274	(용수로)미분류 농업용수로(지상) 농업용수로(지하)
123	수로	CD-CHNL-INTK	PLN	3	CONT	용수로	E0062271	공업용수로(지상)

CD : 토목분야(C)+우배수공(D)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
							E0062272	공업용수로(지하)
124		CD-CHNL-IRRG	PLN	3	CONT	취수로	E0062270	(용수로)미분류
125	우배수시설	CD-DRAN	PLN	3	CONT	우배수관 및 맨홀		
126		CD-DRAN-BOXC	PLN	4	CONT	배수관로암거		
127		CD-DRAN-MANH	SYM	3	CONT	배수(집수정)맨홀	C0246345	하수맨홀
128		CD-DRAN-CHMB	SYM	3	CONT	집수거(다이크)	C0246345	하수맨홀
129		CD-DRAN-PIPE	PLN	3	A-DASHD01	기존 우배수관		
130		CD-DRAN-PIPC	PLN	4	CONT	우배수/취수관로	C0246130	(수송관-지하)미분류
131		CD-DRAN-PIPB	SYM	4	CONT	우배수연결관	C0246130	(수송관-지하)미분류
132		CD-DRAN-PIPD	PLN	3	A-DASHD01	도로내 배수관		
133		CD-DRAN-PFOR	PLN	4	E-UTIL02	유공관		
134		CD-DRAN-CORG	PLN	4	E-UTIL03	파형관		
135		CD-DRAN-TRCH	LIN	3	CONT	트랜치		
136		CD-DRAN-WALL	PLN	4	CONT	배수관 면벽, 날개벽		
137	내수배제시설	CD-IDRN	PLN	4	CONT	내수배제시설		
138		CD-IDRN-RBSN	PGN	4	A-ISONS05	하천유수지	E0052114	호수,저수지
139		CD-IDRN-PMPS	PLN	6	CONT	배수펌프장	B0014332	배수장
140		CD-IDRN-GATE	PLN	6	CONT	배수문	C0062242	배수갑문
141		CD-IDRN-SLUC	PLN	7	CONT	배수통문	C0076116	암거
142		CD-IDRN-SWAY	PLN	6	CONT	배수통관	H0049134	(주기)지하수로
143		CD-IDRN-PIPC	PLN	7	CONT	배수관	H0049134	(주기)지하수로
144		CD-IDRN-CHNL	PLN	4	CONT	배수로	E0062270	(용수로)미분류
145		CD-IDRN-TUNL	PLN	6	A-HIDDN01	배수터널	E0062275	도수터널
146		CD-IDRN-EQPM	SYM	4	CONT	배수설비		
147		CD-IDRN-MISC	PLN	3	CONT	배수시설기타		
148		CD-IDRN-TEXT	T25	3	CONT	배수시설문자	H0049160	(시설물)미분류
149	문자	CD-TEXT	T25	3	CONT	문자공통		
150	치수	CD-DIMS	LIN	1	CONT	치수공통		
151		CD-DIML	LIN	1	CONT	치수선		
152		CD-DIMT	T25	3	CONT	치수문자		
153	인출	CD-LEAD	LIN	1	CONT	인출공통		
154		CD-LEAL	LIN	1	CONT	인출선		
155		CD-LEAT	T25	3	CONT	인출문자		
156	심벌	CD-SYMB	SYM	3	CONT	심벌공통		
157	해칭	CD-PATT	PAT	1	CONT	해칭공통		
158	주석(註釋)	CD-NOTE	T25	3	CONT	주석(註釋)		
159	이음(MATCH)	CD-MACL	LIN	6	A-CENTR01	이음선		
160		CD-MACT	T40	6	CONT	이음문자		
161	중심선	CD-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
162	절단선	CD-CUTL	PLN	1	A-CENTR01	절단선		
163	은선(파단선)	CD-HIDL	PLN	2	A-DASHD01	은선(파단선)		
164	우배수공기타	CD-MISC	PLN	3	CONT	우배수공 기타		

2.6 상수도공(Water Supply system) : CW

CW : 토목분야(C)+상수도공(W)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	상수도 공통	CW-XXXX	PLN	4	CONT	상수도 공통		
2	상수계통	CW-SYSD	PLN	7	CONT	상수계통		
3	정수시설	CW-PPNT	LIN	4	CONT	정수처리시설		
4		CW-PPNT-BLDG	PGN	7	CONT	정수장건축물	B0014339	정수장
5		CW-PPNT-STRU	PLN	4	CONT	정수장토목구조물		
6		CW-PPNT-STEL	LIN	2	CONT	정수장설비구조물		
7		CW-PPNT-PIPL	PLN	6	CONT	도수관로	C0246130	(수송관-지하)미분류
8		CW-PPNT-PIPC	PLN	6	CONT	송수관로	C0246130	(수송관-지하)미분류
9		CW-PPNT-PIPE	PLN	5	CONT	정수장PIPE		
10		CW-PPNT-MANH	SYM	4	CONT	맨홀	C0246346	(맨홀)상수
11		CW-PPNT-EQPM	SYM	4	CONT	정수장설비		
12		CW-PPNT-MISC	LIN	3	CONT	정수장기타		
13		CW-PPNT-TEXT	T25	3	CONT	정수장문자	H0049160	(시설물)미분류
14	취수시설	CW-IPNT	LIN	4	CONT	취수시설	B0014334	취수장
15		CW-IPNT-TOWR	PLN	6	CONT	취수탑	C0346223	취수탑
16		CW-IPNT-GATE	PLN	6	CONT	취수문	C0062241	수문
17		CW-IPNT-EQPM	PLN	4	CONT	취수시설설비		
18		CW-IPNT-MISC	LIN	3	CONT	취수시설기타		
19		CW-IPNT-TEXT	T25	3	CONT	취수시설문자	H0049160	(주기)시설물미분류
20	가압시설	CW-BPMP	LIN	4	CONT	가압시설		
21		CW-BPMP-PMPS	PLN	7	CONT	가압펌프장	H0049140	(건물)미분류
22		CW-BPMP-PIPE	PLN	4	CONT	압송관	C0246130	(수송관-지하)미분류
23		CW-BPMP-MANH	SYM	4	CONT	맨홀	C0246346	(맨홀)상수
24		CW-BPMP-EQPM	SYM	3	CONT	가압펌프장설비		
25		CW-BPMP-MISC	LIN	2	CONT	가압시설기타		
26		CW-BPMP-TEXT	T25	3	CONT	가압시설문자	H0049160	(시설물)미분류
27	취수관로	CW-INTK	PLN	7	CONT	취수관로	C0246130	(수송관-지하)미분류
28		CW-INTK-PIPM	PLN	7	CONT	취수관(PIPE)	C0246130	(수송관-지하)미분류
29		CW-INTK-CHNL	PLN	4	CONT	취수로(개거)	C0246120	(수송관-지상)미분류
30		CW-INTK-BOXC	PLN	4	CONT	취수로(암거)	C0246120	(수송관-지하)미분류
31		CW-INTK-MANH	SYM	4	CONT	맨홀	C0246346	상수맨홀
32		CW-INTK-VALV	SYM	4	CONT	밸브		
33		CW-INTK-FITG	SYM	6	CONT	관이음/관연결		
34		CW-INTK-EQPM	SYM	4	CONT	취수관로설비		
35		CW-INTK-MISC	LIN	3	CONT	취수관로기타		
36		CW-INTK-TEXT	T25	3	CONT	취수관로문자	H0049160	(시설물)미분류
37	상수관로	CW-PUBC	PLN	4	CONT	상수관로		
38		CW-PUBC-PIPM	PLN	7	CONT	상수본선관로	C0246131	(수송관-지하)상수도
39		CW-PUBC-PIPS	PLN	6	CONT	상수지선관로	C0246131	(수송관-지하)상수도
40	상수관로	CW-PUBC-PIPB	PLN	6	CONT	상수분기관		

CW : 토목분야(C)+상수도공(W)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
41		CW-PUBC-MANH	SYM	4	CONT	맨홀및변실	C0246346	상수맨홀
42		CW-PUBC-VALV	SYM	4	CONT	밸브및상수설비		
43		CW-PUBC-FITG	SYM	6	CONT	관이음/관연결		
44		CW-PUBC-PROT	PLN	4	CONT	관보호		
45		CW-PUBC-EQPM	SYM	4	CONT	기타상수설비		
46		CW-PUBC-MISC	PLN	3	CONT	상수관로 기타		
47		CW-PUBC-TEXT	T25	3	CONT	상수관로 문자	H0049160	(시설물)미분류
48	급수관로	CW-WATR	PLN	4	CONT	급수관로		
49		CW-WATR-DOME	PLN	7	A-PHATM01H	생활급수관	C0246120	(수송관-지하)미분류
50		CW-WATR-SHIP	PLN	6	A-CENTR01H	선박급수관	C0246120	(수송관-지하)미분류
51		CW-WATR-HYDR	PLN	6	A-ISONS06	소방급수관	C0246120	(수송관-지하)미분류
52		CW-WATR-LAND	PLN	7	A-DASHD01H	조경관수		
53		CW-WATR-VALV	SYM	4	CONT	밸브및급수설비		
54		CW-WATR-FITG	SYM	6	CONT	관이음/관연결		
55		CW-WATR-PROT	SYM	4	CONT	관보호		
56		CW-WATR-EQPM	SYM	4	CONT	기타급수설비		
57		CW-WATR-MISC	LIN	3	CONT	급수관로 기타		
58		CW-WATR-TEXT	T25	3	CONT	급수관로 문자	H0049160	(시설물)미분류
59	문자	CW-TEXT	T25	3	CONT	문자공통		
60	치수	CW-DIMS	LIN	1	CONT	치수공통		
61		CW-DIML	LIN	1	CONT	치수선		
62		CW-DIMT	T25	3	CONT	치수문자		
63	인출	CW-LEAD	LIN	1	CONT	인출공통		
64		CW-LEAL	LIN	1	CONT	인출선		
65		CW-LEAT	T25	3	CONT	인출문자		
66	심벌	CW-SYMB	SYM	3	CONT	심벌공통		
67	해칭	CW-PATT	PAT	1	CONT	해칭공통		
68	주석(註釋)	CW-NOTE	T25	3	CONT	주석(註釋)		
69	이음(MATCH)	CW-MACL	LIN	6	A-CENTR01	이음선		
70		CW-MACT	T40	6	CONT	이음문자		
71	중심선	CW-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
72	절단선	CW-CUTL	PLN	1	A-CENTR01	절단선		
73	은선(파단선)	CW-HIDL	PLN	2	A-DASHD01	은선(파단선)		
74	기타상수도시설	CW-MISC	LIN	3	CONT	기타상수도시설		

2.7 하수도공(Sewerage/Sanitary Sewer system) : CN

CW : 토목분야(C)+하수도공(N)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	하수도 공통	CN-XXXX	PLN	4	CONT	하수도 공통		
2	하수계통	CN-SYSD	PLN		CONT	하수계통		
3	하수처리시설	CN-SPNT	PLN	4	CONT	하수처리시설		
4		CN-SPNT-BLDG	PGN	6	CONT	하수처리장건축물	B0014341	하수종말처리장기호
5		CN-SPNT-STRU	PLN	4	CONT	하수처리장토목구조물		
6		CN-SPNT-STEL	LIN	2	CONT	하수처리장설비구조물		
7		CN-SPNT-PIPE	PLN	6	CONT	하수처리장PIPE		
8		CN-SPNT-EQPM	SYM	4	CONT	하수처리장설비		
9		CN-SPNT-TEXT	T25	3	CONT	하수처리장문자	H0049160	(시설물)미분류
10		CN-SPNT-MISC	LIN	3	CONT	하수처리장기타		
11	위생처리시설	CN-NPNT	LIN	4	CONT	위생(분뇨)처리시설	B0014346	분뇨처리장기호
12	하수관로(합류식)	CN-COMB	LIN	4	CONT	하수관로(합류식)		
13		CN-COMB-BOXC	PLN	4	CONT	하수암거	C0076116	암거
14		CN-COMB-INTC	PLN	6	CONT	차집관로	C0246132	(수송관-지하)하수도
15		CN-COMB-PRES	PLN	7	A-CENTR01H	하수압송관로	C0246132	(수송관-지하)하수도
16		CN-COMB-PIPE	PLN	7	CONT	하수관로	C0246132	(수송관-지하)하수도
17		CN-COMB-MANH	SYM	4	CONT	맨홀및받이	C0246345	하수맨홀
18		CN-COMB-FITG	SYM	6	CONT	관이음/관연결		
19		CN-COMB-PROT	SYM	4	CONT	관보호		
20		CN-COMB-EQPM	SYM	4	CONT	기타하수설비		
21		CN-COMB-MISC	LIN	3	CONT	하수관로 기타		
22		CN-COMB-TEXT	T25	3	CONT	하수관로 문자	H0049160	(시설물)미분류
23	오수관로(분류식)	CN-SEWR	PLN	4	CONT	오수관로(분류식)		
24		CN-SEWR-BOXC	PLN	6	CONT	오수암거	C0076116	암거
25		CN-SEWR-BOST	PLN	7	A-DASHD01H	오수압송관로	C0246132	(수송관-지하)하수도
26		CN-SEWR-PIPM	PLN	7	E-SEWER01	오수관로본선	C0246132	(수송관-지하)하수도
27		CN-SEWR-PIPS	PLN	6	E-SEWER01	오수관로지선	C0246132	(수송관-지하)하수도
28		CN-SEWR-PIPH	PLN	6	E-SEWER01H	오수연결관		
29		CN-SEWR-MANH	SYM	4	CONT	맨홀	C0246345	하수맨홀
30		CN-SEWR-FITG	SYM	6	CONT	관이음/관연결		
31		CN-SEWR-PROT	SYM	4	CONT	관보호		
32		CN-SEWR-EQPM	SYM	4	CONT	기타오수설비		
33		CN-SEWR-MISC	LIN	3	A-CENTR01H	오수관로 기타		
34		CN-SEWR-TEXT	T25	3	CONT	오수관로 문자		
35	문자	CN-TEXT	T25	3	CONT	문자공통		
36	치수	CN-DIMS	LIN	1	CONT	치수공통		
37		CN-DIML	LIN	1	CONT	치수선		
38		CN-DIMT	T25	3	CONT	치수문자		
39	인출	CN-LEAD	LIN	1	CONT	인출공통		
40	인출	CN-LEAL	LIN	1	CONT	인출선		

CW : 토목분야(C)+하수도공(N)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
41		CN-LEAT	T25	3	CONT	인출문자		
42	심벌	CN-SYMB	SYM	3	CONT	심벌공통		
43	해칭	CN-PATT	PAT	1	CONT	해칭공통		
44	주석(註釋)	CN-NOTE	T25	3	CONT	주석(註釋)		
45	이음(MATCH)	CN-MACL	LIN	6	A-CENTR01	이음선		
46		CN-MACT	T40	6	CONT	이음문자		
47	중심선	CN-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
48	절단선	CN-CUTL	PLN	1	A-CENTR01	절단선		
49	은선(파단선)	CN-HIDL	PLN	2	A-DASHD01	은선(파단선)		
50	상하수도기타	CN-MISC	PLN	3	CONT	상하수도 기타		

2.8 포장공(Pavement) : CP

CP : 토목분야(C)+포장공(P)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	포장 공통	CP-XXXX	PLN	2	CONT	포장 공통		
2	공통포장경계	CP-BOND	PGN	4	CONT	공통포장경계		
3	본 포장	CP-PAVM	PGN	2	CONT	본 포장(노면,길어깨등)		
4		CP-PAVM-ASCN	PAT	2	CONT	아스팔트포장		
5		CP-PAVM-CONC	PAT	2	CONT	시멘트포장		
6		CP-PAVM-RDOM	PAT	2	CONT	간이포장		
7		CP-PAVM-BORD	PGN	4	CONT	본포장경계		
8	보조포장	CP-PAVS	PGN	1	CONT	보조포장		
9		CP-PAVS-MISS	PAT	1	CONT	보조포장(인력,교면등)		
10		CP-PAVS-MISR	PAT	1	CONT	보강포장(접속슬래브등)		
11		CP-PAVS-BLOK	PAT	1	CONT	블럭포장		
12		CP-PAVS-SPEC	PAT	1	CONT	특수포장(거스,LMC등)		
13		CP-PAVS-BORD	PGN	4	CONT	보조포장경계		
14		CP-PAVS-IRRY	PGN	2	CONT	영업소파형		
15	줄눈	CP-JOIN	LIN	2	CONT	줄눈		
16		CP-JOIN-CNST	LIN	2	CONT	시공줄눈		
17		CP-JOIN-CNTR	LIN	2	CONT	수축줄눈		
18		CP-JOIN-EXPN	LIN	2	CONT	팽창줄눈		
19	재료표 테이블	CP-TABL	LIN	3	CONT	재료(집계)표 테이블		
20		CP-TABL-LIN1	LIN	4	CONT	재료표 굵은 선		
21		CP-TABL-LIN2	LIN	1	CONT	재료표 가는 선		
22		CP-TABL-TEX1	T40	6	CONT	재료표 제목문자		
23		CP-TABL-TEX2	T25	3	CONT	재료표 내용문자		
24	문자	CP-TEXT	T25	3	CONT	공통문자		
25	치수	CP-DIMS	LIN	1	CONT	치수공통		
26		CP-DIML	LIN	1	CONT	치수선		
27		CP-DIMT	T25	3	CONT	치수문자		
28	인출	CP-LEAD	LIN	1	CONT	인출공통		
29		CP-LEAL	LIN	1	CONT	인출선		
30		CP-LEAT	T25	3	CONT	인출문자		
31	심벌	CP-SYMB	SYM	3	CONT	심벌공통		
32	해칭	CP-PATT	PAT	1	CONT	해칭공통		
33	주석(註釋)	CP-NOTE	T25	3	CONT	주석(註釋)		
34	이음(MATCH)	CP-MACL	LIN	6	A-CENTR01	이음선		
35		CP-MACT	T40	6	CONT	이음문자		
36	중심선	CP-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
37	절단선	CP-CUTL	PLN	1	A-CENTR01	절단선		
38	은선(파단선)	CP-HIDL	PLN	2	A-DASHD01	은선(파단선)		
39	포장 기타	CP-MISC	PLN	1	CONT	포장 기타		

2.9 부대공(Miscellany) : CM

CM : 토목분야(C)+부대공(M)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	부대 공통	CM-XXXX	PLN	4	CONT	부대 공통		
2	차선도색	CM-LANE	PLN	7	CONT	차선도색		
3		CM-LANE-WHIC	PLN	7	CONT	백색차선(추월금지)		
4		CM-LANE-WHID	PLN	7	A-DASHD01	백색차선(추월)		
5		CM-LANE-YELC	PLN	7	CONT	황색차선(추월금지)		
6		CM-LANE-YELD	PLN	7	A-DASHD01	황색차선(추월)		
7		CM-LANE-BLUC	PLN	7	CONT	청색차선(추월금지)		
8		CM-LANE-BLUD	PLN	7	A-DASHD01	청색차선(추월)		
9	노면표시	CM-RDMK	PLN	7	CONT	노면표시		
10		CM-RDMK-MARK	SYM	4	CONT	노면표시		
11		CM-RDMK-WALK	PLN	7	CONT	횡단보도	A0043325	횡단보도
12		CM-RDMK-LAND	PLN	7	CONT	교통섬	A0053326	안전지대
13	주차	CM-PARK	PLN	6	CONT	주차		
14		CM-PARK-LINE	LIN	7	CONT	주차경계선	C0430230	주차장경계
15		CM-PARK-STOP	PLN	4	CONT	차멈춤		
16	교통표지판	CM-RDSB	SYM	3	CONT	교통표지판		
17		CM-RDSB-GRP1	SYM	3	CONT	교통표지판(주의,규제)	C0413425 C0413424	주의표지 규제표지
18		CM-RDSB-GRP2	SYM	3	CONT	교통표지판(지시,보조)	C0413423	지시표지
19	안내표지판	CM-RDGS	SYM	4	CONT	안내표지판	C0413422	안내표지
20	교통안전시설	CM-SFTY	PLN	3	CONT	교통안전시설		
21		CM-SFTY-GWAL	PLN	4	A-ISONS10	방호벽	C0536112	방호벽
22		CM-SFTY-GRAL	PLN	3	E-FACLN05	가드레일	C0536118	가드레일
23		CM-SFTY-GFNC	PLN	3	C-ZIGZG01	가드휀스	C0536119	가드펜스
24		CM-SFTY-STON	PLN	3	E-FACLN02	낙석방지울타리	C0536111	낙석방지책
25		CM-SFTY-LGHT	PLN	3	E-TOPOG03	차광망	C0536113	차광책
26		CM-SFTY-SLOP	PLN	3	CONT	비탈면보호	F0047228	경사보호망
27		CM-SFTY-SLID	PGN	4	CONT	미끄럼방지		
28		CM-SFTY-MISC	PLN	3	CONT	기타 안전시설		
29	기타시설	CM-FMIS	PLN	3	CONT	기타 부대시설		
30		CM-FMIS-SUND	PLN	3	B-ZIGZG02	방음벽	C0536114	소음방지책
31		CM-FMIS-INSP	PLN	3	CONT	점검로		
32	문자	CM-TEXT	T25	3	CONT	공통문자		
33	치수	CM-DIMS	LIN	1	CONT	치수공통		
34		CM-DIML	LIN	1	CONT	치수선		
35		CM-DIMT	T25	3	CONT	치수문자		
36	인출	CM-LEAD	LIN	1	CONT	인출공통		
37		CM-LEAL	LIN	1	CONT	인출선		
38	인출	CM-LEAT	T25	3	CONT	인출문자		

CM : 토목분야(C)+부대공(M)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
39	심벌	CM-SYMB	SYM	3	CONT	심벌공통		
40	해칭	CM-PATT	PAT	1	CONT	해칭공통		
41	주석(註釋)	CM-NOTE	T25	3	CONT	주석(註釋)		
42	이음(MATCH)	CM-MACL	LIN	7	A-CENTR01	이음선		
43		CM-MACT	T40	7	CONT	이음문자		
44	중심선	CM-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
45	절단선	CM-CUTL	PLN	1	A-CENTR01	절단선		
46	은선(파단선)	CM-HIDL	PLN	2	A-DASHD01	은선(파단선)		
47	부대시설 기타	CM-MISC	PLN	3	CONT	부대시설 기타		

2.10 항만시설(Harbor Facilities) : CH

CH : 토목분야(C) + 항만시설(H)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	항만시설공통	CH-XXXX	PLN	6	CONT	항만시설 공통		
2	항만상부시설	CH-YARD	PLN	4	CONT	항만상부시설		
3		CH-YARD-CONT	PGN	7	CONT	컨테이너 저장소		
4		CH-YARD-RAIL	PGN	6	CONT	철송장(수송지역)		
5		CH-YARD-APRN	PGN	7	CONT	에이프런		
6		CH-YARD-MISC	LIN	4	CONT	기타상부시설		
7	항만수역시설	CH-WWAY	PLN	4	CONT	항만수역시설		
8		CH-WWAY-CNNL	PLN	4	A-ISONS06	항로		
9		CH-WWAY-TURN	PLN	4	A-PHATM01	선회장		
10		CH-WWAY-MISC	LIN	3	CONT	기타수역시설		
11	항만외곽시설	CH-OUTR	PLN	4	CONT	항만외곽시설		
12		CH-OUTR-REVT	PLN	6	CONT	호안	C0052231 C0052232	방파제(상단) 방파제(하단)
13		CH-OUTR-BANK	PLN	6	CONT	제방	C0052210 C0052211 C0052212 C0052213 C0052214	(제방)미분류 콘크리트제방(상단) 콘크리트제방(하단) 흙제방(상단) 흙제방(하단)
14		CH-OUTR-LOCK	PLN	3	CONT	수문갑문	C0062242	배수갑문
15		CH-OUTR-MISC	LIN	3	CONT	기타외곽시설		
16	항만계류시설	CH-MOOR	PLN	4	CONT	항만계류시설		
17		CH-MOOR-QWAL	PLN	6	CONT	안벽		
18		CH-MOOR-PIER	PLN	4	CONT	잔교	C0082251	잔교(콘크리트)
19		CH-MOOR-DLPN	PLN	4	CONT	돌핀		
20		CH-MOOR-MISC	LIN	3	CONT	기타계류시설		
21	항만구조물 공통	CH-STRU	LIN	4	CONT	항만구조물 공통		
22		CH-STRU-LIN1	LIN	6	CONT	항만구조물 선		
23		CH-STRU-LIN2	LIN	4	A-DASHD01	항만구조물 파선		
24		CH-STRU-TEXT	T25	3	CONT	항만구조물 문자		
25		CH-STRU-SYMB	SYM	3	CONT	항만구조물 심벌		
26		CH-STRU-PATT	PAT	1	CONT	항만구조물 해칭		
27		CH-STRU-MISC	LIN	4	CONT	항만구조물 기타		
28	케이슨	CH-CASN	LIN	3	CONT	케이슨		
29		CH-CASN-LIN1	LIN	4	CONT	케이슨 실선		
30		CH-CASN-LIN2	LIN	3	A-DASHD01	케이슨 파선		
31	상치콘크리트	CH-CAPC	LIN	3	CONT	상치콘크리트		
32		CH-CAPC-LIN1	LIN	4	CONT	상치콘크리트 실선		
33		CH-CAPC-LIN2	LIN	3	A-DASHD01	상치콘크리트 파선		
34	블록	CH-BLOK	LIN	4	CONT	블록		

CH : 토목분야(C)+항만시설(H)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
35		CH-BLOK-LIN1	LIN	4	CONT	블록 실선		
36		CH-BLOK-LIN2	LIN	3	A-DASHD01	블록 파선		
37	줄눈(이음)	CH-JOIN	LIN	3	CONT	줄눈(이음)		
38		CH-JOIN-CNST	LIN	3	CONT	시공줄눈		
39		CH-JOIN-CNTR	LIN	3	CONT	수축줄눈		
40		CH-JOIN-EXPN	LIN	3	CONT	팽창줄눈		
41	사석	CH-RRAP	LIN	3	CONT	사석		
42		CH-RRAP-LIN1	LIN	4	CONT	사석		
43		CH-RRAP-LIN2	LIN	3	A-DASHD01	사석경계 파선		
44		CH-RRAP-LIN3	LIN	3	A-CENTR01	사석 참조		
45		CH-RRAP-FMAT	PLN	2	A-CENTR01	사석 필터매트		
46		CH-RRAP-MISC	LIN	2	CONT	사석 기타		
47	피복석	CH-AMOR	LIN	3	CONT	피복석		
48		CH-AMOR-LIN1	LIN	4	CONT	피복석경계 실선		
49		CH-AMOR-LIN2	LIN	3	A-DASHD01	피복석경계 파선		
50		CH-AMOR-LIN3	LIN	3	A-CENTR01	피복석 참조		
51		CH-AMOR-MISC	LIN	2	CONT	피복석 기타		
52	파일	CH-PILE	LIN	3	CONT	파일		
53	크레인시설	CH-CRAN	LIN	4	CONT	크레인시설		
54		CH-CRAN-RAIL	PLN	3	CONT	크레인레일		
55		CH-CRAN-FUND	LIN	4	CONT	크레인기초		
56		CH-CRAN-EQPM	PLN	3	CONT	크레인설비		
57	항만안전시설	CH-SFTY	LIN	3	CONT	항만안전시설		
58		CH-SFTY-SIGN	SYM	3	CONT	항로표지(부표)		
59		CH-SFTY-LHUS	LIN	4	CONT	등대	C0166233 C0166234	등대(유간수) 등대(무간수)
60	항만부대시설	CH-HMIS	LIN	3	CONT	항만부대시설		
61		CH-HMIS-SPRT	PLN	4	A-PHATM01H	오탁방지망		
62		CH-HMIS-OFNC	PLN	4	A-BORDR01H	오일휀스		
63	항만설비	CH-EQPM	LIN	3	CONT	항만설비		
64		CH-EQPM-LINE	LIN	2	CONT	항만설비 선		
65		CH-EQPM-SYMB	SYM	2	CONT	항만설비 심벌		
66		CH-EQPM-MISC	LIN	1	CONT	항만설비 기타		
67	수위	CH-WATR	LIN	1	CONT	수위(조위)		
68	제원테이블	CH-TABL	LIN	3	CONT	제원테이블		
69		CH-TABL-LIN1	LIN	4	CONT	제원테이블 굵파선		
70		CH-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
71		CH-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
72		CH-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
73	문자	CH-TEXT	T25	3	CONT	문자공통		
74	치수	CH-DIMS	LIN	1	CONT	치수공통		
75		CH-DIML	LIN	1	CONT	치수선		
76	치수	CH-DIMT	T25	3	CONT	치수문자		
77	인출	CH-LEAD	LIN	1	CONT	인출공통		

CH : 토목분야(C)+항만시설(H)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
78	인출	CH-LEAL	LIN	1	CONT	인출선		
79		CH-LEAT	T25	3	CONT	인출문자		
80	심벌	CH-SYMB	SYM	3	CONT	심벌공통		
81	해칭	CH-PATT	PAT	1	CONT	해칭공통		
82	이음(MATCH)	CH-MACL	LIN	6	A-CENTR01	이음선		
83		CH-MACT	T40	6	CONT	이음문자		
84	중심선(일점쇄선)	CH-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
85	절단선	CH-CUTL	PLN	1	A-CENTR01	절단선		
86	파선(파단선)	CH-HIDL	PLN	2	A-DASHD01	파선(파단선)		
87	항만시설기타	CH-MISC	PLN	4	CONT	항만시설 기타		

2.11 궤도(Railroad Track) : CK

CK : 토목분야(C)+궤도(K)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	궤도공통	CK-XXXX	LIN	2	CONT	궤도 공통		
2	궤도 본선	CK-MAJR	PLN	7	CONT	본선 궤도/배선 공통		
3		CK-MAJR-LINE	PLN	7	CONT	본선 궤도/배선 라인	A0151111 A0151112 A0151115 A0151116	(실폭선로)보통철도 (실폭선로)특수철도 지하철(지하부) 지하철(지상부)
4		CK-MAJR-SYMB	PLN	4	CONT	본선 궤도/배선 심벌		
5		CK-MAJR-TEXT	PLN	3	CONT	본선 궤도/배선 문자	H0049121	(주기)철도
6		CK-MAJR-MISC	PLN	2	CONT	본선 궤도/배선 기타		
7	궤도 부본선	CK-MINR	PLN	6	CONT	부본선 궤도/배선 공통		
8		CK-MINR-LINE	PLN	6	CONT	부본선 궤도/배선 라인	A0151111 A0151112 A0151115 A0151116	(실폭선로)보통철도 (실폭선로)특수철도 지하철(지하부) 지하철(지상부)
9		CK-MINR-SYMB	PLN	4	CONT	부본선 궤도/배선 심벌		
10		CK-MINR-TEXT	PLN	3	CONT	부본선 궤도/배선 문자	H0049121	(주기)철도
11		CK-MINR-MISC	PLN	2	CONT	부본선 궤도/배선 기타		
12	궤도 측선	CK-SIDE	PLN	7	A-ISONS05	측선 궤도/배선 공통		
13		CK-SIDE-LINE	PLN	7	A-ISONS05	측선 궤도/배선 라인	A0151111 A0151112 A0151115 A0151116	(실폭선로)보통철도 (실폭선로)특수철도 지하철(지하부) 지하철(지상부)
14		CK-SIDE-SYMB	PLN	4	CONT	측선 궤도/배선 심벌		
15		CK-SIDE-TEXT	PLN	3	CONT	측선 궤도/배선 문자	H0049121	(주기)철도
16		CK-SIDE-MISC	PLN	2	CONT	측선 궤도/배선 기타		
17	궤도 특수선	CK-SPEC	PLN	6	A-ISONS06	특수선 궤도/배선 공통		
18		CK-SPEC-LINE	PLN	6	A-ISONS06	특수선 궤도/배선 라인	A0151112	(실폭선로)특수철도
19		CK-SPEC-SYMB	PLN	4	CONT	특수선 궤도/배선 심벌		
20		CK-SPEC-TEXT	PLN	3	CONT	특수선 궤도/배선 문자	H0049121	(주기)철도
21		CK-SPEC-MISC	PLN	2	CONT	특수선 궤도/배선 기타		
22	궤도존치선	CK-EXST	PLN	5	A-ISONS04	존치선 궤도/배선		
23	궤도 철거(폐)선	CK-DEMO	PLN	7	A-HIDDN01	철거(폐) 궤도/배선		
24	궤도 이동설치선	CK-MOVE	PLN	7	A-CENTR01	이동설치 궤도/배선		
25	궤도 임시선	CK-TEMP	PLN	6	A-DASHD01	임시 궤도/배선		
26	궤도제원/제표	CK-TABL	LIN	3	CONT	제원테이블		
27		CK-TABL-DESL	LIN	4	CONT	제원(곡선등)선		
28		CK-TABL-DEST	T30	3	CONT	제원(정보) 문자		
29		CK-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		

CK : 토목분야(C)+궤도(K)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
30	궤도제원/제표	CK-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
31		CK-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
32		CK-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
33	문자	CK-TEXT	T25	3	CONT	문자공통		
34	치수	CK-DIMS	LIN	1	CONT	치수공통		
35		CK-DIML	LIN	1	CONT	치수선		
36		CK-DIMT	T25	3	CONT	치수문자		
37	인출	CK-LEAD	LIN	1	CONT	인출공통		
38		CK-LEAL	LIN	1	CONT	인출선		
39	인출	CK-LEAT	T25	3	CONT	인출문자		
40	심벌	CK-SYMB	SYM	3	CONT	심벌공통		
41	해칭	CK-PATT	PAT	1	CONT	해칭공통		
42	주석(註釋)	CK-NOTE	T25	3	CONT	주석(註釋)		
43	이음(MATCH)	CK-MACL	LIN	6	A-CENTR01	이음선		
44		CK-MACT	T40	6	CONT	이음문자		
45	궤도기타	CK-MISC	LIN	2	CONT	궤도 기타		

2.12 하천(River) : CI

CI : 토목분야(C)+하천(I)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	하천공통	CI-XXXX	PLN	4	CONT	하천공통		
2	하천공간	CI-ZONE	PGN	6	CONT	하천공간		
3		CI-ZONE-ECOL	PGN	7	CONT	생태구역	G0022310	(경계)미분류
4		CI-ZONE-WFNT	PGN	6	CONT	친수구역	G0022310	(경계)미분류
5		CI-ZONE-OBSR	PGN	7	CONT	학습관찰구역	G0022310	(경계)미분류
6		CI-ZONE-RECT	PGN	6	CONT	위락구역	G0022310	(경계)미분류
7		CI-ZONE-MISC	PGN	4	CONT	기타구역	G0022310	(경계)미분류
8		CI-ZONE-TEXT	T30	4	CONT	하천공간문자	H0049131	(주기)하천
9		CI-ZONE-PATT	PAT	1	CONT	하천공간해칭		
10	하천수역	CI-AREA	PLN	4	CONT	하천수역		
11		CI-AREA-MAIN	PLN	4	CONT	하천본류	E0010001	하천경계
12		CI-AREA-BRCH	PLN	3	CONT	하천지류	E0010001	하천경계
13		CI-AREA-BROK	PLN	4	CONT	실개천	E0032111	실폭하천
14		CI-AREA-WLND	PGN	3	CONT	습지	G0022313	습지
15		CI-AREA-MISC	LIN	3	CONT	기타하천수역		
16		CI-AREA-TEXT	T25	3	CONT	하천수역문자	H0049130	(주기)수계미분류
17		CI-AREA-PATT	PAT	1	CONT	하천수역해칭		
18	제방	CI-LEVE	PLN	7	CONT	제방		
19		CI-LEVE-TOPX	PLN	6	CONT	제방상단선(둑마루)	C0052213 C0052211	흙제방(상단) 콘크리트제방(상단)
20		CI-LEVE-BOTX	PLN	4	CONT	제방하단선	C0052214 C0052212	흙제방(하단) 콘크리트제방(하단)
21		CI-LEVE-FLOD	PLN	6	CONT	고수부지	G0022310	(경계)미분류
22		CI-LEVE-CUTW	PLN	4	CONT	차수벽		
23		CI-LEVE-MISC	LIN	4	CONT	제방기타		
24		CI-LEVE-TEXT	T25	3	CONT	제방문자		
25		CI-LEVE-PATT	PAT	1	CONT	제방해칭		
26	호안	CI-REVT	PLN	4	CONT	호안		
27		CI-REVT-HGHW	PLN	4	CONT	고수호안선	G0022310	(경계)미분류
28		CI-REVT-LOWW	PLN	4	CONT	저수호안선	G0022310	(경계)미분류
29		CI-REVT-PROT	PGN	4	CONT	호안보호		
30		CI-REVT-MISC	LIN	3	CONT	호안기타		
31		CI-REVT-TEXT	T25	3	CONT	호안문자		
32		CI-REVT-PATT	PAT	1	CONT	호안해칭		
33	하천시설	CI-RIVF	PLN	4	CONT	하천시설		
34		CI-RIVF-GRON	PLN	4	CONT	수제		
35		CI-RIVF-DROP	PLN	4	CONT	낙차공		
36		CI-RIVF-WEIR	PLN	6	CONT	하천보	C0062243	보
37		CI-RIVF-LOCK	PLN	7	CONT	갑문	C0062242	배수갑문
38	하천시설	CI-RIVF-FISH	LIN	6	CONT	어도		

CI : 토목분야(C)+하천(I)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
39		CI-RIVF-BSTN	PLN	4	CONT	거석		
40		CI-RIVF-PILE	SYM	3	CONT	횃대,말뚝		
41		CI-RIVF-SHOL	PLN	3	CONT	여울,소		
42		CI-RIVF-SSTN	SYM	4	CONT	징검다리		
43		CI-RIVF-MISC	LIN	3	CONT	하천시설기타		
44		CI-RIVF-TEXT	T25	3	CONT	하천시설문자	H0049133	(주기)하천시설
45		CI-RIVF-PATT	PAT	1	CONT	하천시설해칭		
46	친수시설	CI-WFNT	PLN	4	CONT	친수시설		
47		CI-WFNT-SPAC	PLN	7	CONT	친수광장	G0022310	(경계)미분류
48		CI-WFNT-BIKE	PLN	4	CONT	자전거도로	A0033327	자전거도로
49		CI-WFNT-WALK	PLN	4	CONT	산책로	C0523120	(부속도로)미분류
50		CI-WFNT-FBRG	PGN	6	CONT	인도교	A0073341	(다리)미분류
51		CI-WFNT-STAR	PLN	4	CONT	친수계단	C0393323	계단
52		CI-WFNT-DECK	PLN	4	CONT	테라스,데크		
53		CI-WFNT-MISC	LIN	3	CONT	친수시설기타		
54		CI-WFNT-TEXT	T25	3	CONT	친수시설문자		
55		CI-WFNT-PATT	PAT	1	CONT	친수시설해칭		
56	제원테이블	CI-TABL	LIN	3	CONT	제원테이블		
57		CI-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
58		CI-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
59		CI-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
60		CI-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
61	문자	CI-TEXT	T25	3	CONT	문자공통		
62	치수	CI-DIMS	LIN	1	CONT	치수공통		
63		CI-DIML	LIN	1	CONT	치수선		
64		CI-DIMT	T25	3	CONT	치수문자		
65	인출	CI-LEAD	LIN	1	CONT	인출공통		
66		CI-LEAL	LIN	1	CONT	인출선		
67		CI-LEAT	T25	3	CONT	인출문자		
68	심벌	CI-SYMB	SYM	3	CONT	심벌공통		
69	해칭	CI-PATT	PAT	1	CONT	해칭공통		
70	주석(註釋)	CI-NOTE	T25	3	CONT	주석(註釋)		
71	이음(MATCH)	CI-MACL	LIN	6	A-CENTR01	이음선		
72		CI-MACT	T40	6	CONT	이음문자		
73	중심선	CI-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
74	절단선	CI-CUTL	PLN	1	A-CENTR01	절단선		
75	은선(파단선)	CI-HIDL	PLN	2	A-DASHD01	은선(파단선)		
76	하천시설기타	CI-MISC	PLN	4	CONT	하천시설기타		

3. 건축분야 레이어 목록

3.1 일반건축(Architecture) : AA

AA : 건축분야(A)+일반건축(A)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	건축공통	AA-XXXX	-	-	-	건축 전체공통		
2		AA-XXXX-CNTL	LIN	1	CONT	중심선		
3		AA-XXXX-DIMS	LIN	7	CONT	치수선		
4		AA-XXXX-MARK	TXT	7	CONT	마크		
5		AA-XXXX-NOTE	TXT	3	CONT	메모		
6		AA-XXXX-PATT	LIN	9	CONT	해치		
7		AA-XXXX-SYMB	SYM	9	CONT	심벌		
8		AA-XXXX-TEXT	TXT	3	CONT	문자		
9		AA-XXXX-TABL	LIN	6	CONT	테이블		
10		AA-XXXX-GRID	LIN	9	CONT	그리드		
11	도각	AA-BORD	-	-	-	전체(타이틀블록)		
12		AA-BORD-FORM	LIN	7	CONT	타이틀블록 형상		
13		AA-BORD-TEXT	TXT	3	CONT	타이틀블럭 글자		
14	축선관련	AA-AXIS	-	-	-	전체		
15		AA-AXIS-LINE	LIN	1	A-CENTR01	축선		
16		AA-AXIS-BUBL	LIN	3	CONT	버블 및 문자		
17		AA-AXIS-DIMS	LIN	7	CONT	치수선		
18	공통표기	AA-MKXX	-	-	-	전체		
19		AA-MKXM	SYM	7	CONT	주요소 전체(도면명, 축척, 방위표시 등)		
20		AA-MKXS	TXT	3	CONT	표기요소 전체(실명, 입단면 안내, 전개상세 안내, 지시선, 레벨 등)		
21	입면관련	AA-ELEV	-	-	-	입면표기		
22		AA-ELEV-PCN#	-	VAR	-	입면도 색상별 구분		
23	단면관련	AA-SECT	-	-	-	단면표기		
24		AA-SECT-PCN#	-	VAR	-	단면도 색상별 구분		
25	상세관련	AA-DETL	-	-	-	상세표기		
26		AA-DETL-PCN#	-	VAR	-	상세도 색상별 구분		
27	면적관련	AA-AREA	-	-	-	면적표기		
28	배치관련	AA-STXX	-	-	-	전체		
29		AA-STXM	LIN	8	CONT	주요소 전체(도로, 경계선, 주차선)	A0013118 C0430230 C0433364	부지안도로 주차장경계 주차장기호
30		AA-STXS	LIN	8	CONT	부요소 전체(폐기물처리, 액체,기체 및 전력공급설비, 통신설비, 옥외설비 및, 설치물 등)		

AA : 건축분야(A)+일반건축(A)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
31	배치관련	AA-STXK	SYM	8	CONT	표기요소 전체(출입구표시, 기타마킹 등)		
32	부지	AA-GRXX	LIN	8	CONT	전체(지형, 지질, 지반, 지하부지)		
33		AA-GRXX-IDEN	-	-	-	면적계산		
34		AA-GRXX-BOND	-	-	-	대지경계선	B0014119 B0024120	집단가옥경계 (담장)미분류
35		AA-GRXX-BLDG	-	-	-	건물 외곽선	B0014110 B0014111 B0014112 B0014113 B0014114 B0014115 B0014119	(건물경계)미분류 주택외건물 주택 연립주택 공사중건물 아파트 집단가옥경계
36		AA-GRXX-SURV	-	-	-	측량관련		
37	기초	AA-FDXX	-	-	-	전체		
38		AA-FDXM	LIN	2	CONT	주요소 전체		
39		AA-FDXM-PILE	LIN	2	CONT	주요소-파일기초		
40		AA-FDXM-FLOR	LIN	2	CONT	주요소-바닥기초(지반기초 등)		
41		AA-FDXM-DIRC	LIN	2	CONT	주요소-직접기초(독립, 연속등)		
42		AA-FDXM-REBR	LIN	6	CONT	주요소-철근		
43		AA-FDXS	LIN	4	CONT	부요소 전체		
44		AA-FDXK	TXT	3	CONT	표기요소 전체		
45		AA-FDXK-PATT	LIN	9	CONT	표기요소-해치(재료표기)		
46		AA-FDXK-IDNT	SYM	4	CONT	표기요소-부호		
47		AA-FDXK-DIMS	LIN	7	CONT	표기요소-치수선		
48	기둥	AA-CLXX	-	-	-	전체		
49		AA-CLXM	LIN	2	CONT	주요소 전체		
50		AA-CLXM-STEL	LIN	2	CONT	주요소-철골,형강,조립		
51		AA-CLXM-CONC	LIN	2	CONT	주요소-콘크리트		
52		AA-CLXM-REBR	LIN	6	CONT	주요소-철근		
53		AA-CLXM-PCST	LIN	2	CONT	주요소-프리캐스트		
54		AA-CLXM-OTHR	LIN	2	CONT	주요소-기타		
55		AA-CLXS	LIN	4	CONT	부요소 전체		
56		AA-CLXS-FINL	LIN	4	CONT	부요소-마감선		
57		AA-CLXK	TXT	3	CONT	표기요소 전체		
58		AA-CLXK-PATT	LIN	9	CONT	표기요소-해치(재료표기)		
59		AA-CLXK-IDNT	SYM	3	CONT	표기요소-부호		
60		AA-CLXK-DIMS	LIN	7	CONT	표기요소-치수선		
61	보	AA-BMXX	-	-	-	전체		

AA : 건축분야(A)+일반건축(A)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
62	보	AA-BMXM	LIN	2	CONT	주요소 전체		
63		AA-BMXM-STEL	LIN	2	CONT	주요소-철골,형강,조립,플래트거더 등		
64		AA-BMXM-CONC	LIN	2	CONT	주요소-콘크리트		
65		AA-BMXM-REBR	LIN	6	CONT	주요소-철근		
66		AA-BMXM-PCST	LIN	2	CONT	주요소-프리캐스트		
67		AA-BMXM-OTHR	LIN	2	CONT	주요소-기타		
68		AA-BMXS	LIN	4	CONT	부요소 전체		
69		AA-BMXS-FINL	LIN	4	CONT	부요소-마감선		
70		AA-BMXK	TXT	3	CONT	표기요소 전체		
71		AA-BMXK-PATT	LIN	9	CONT	표기요소-해치(재료표기)		
72		AA-BMXK-IDNT	SYM	3	CONT	표기요소-부호		
73		AA-BMXK-DIMS	LIN	7	CONT	표기요소-치수선		
74	벽체	AA-WAXX	-	-	-	전체		
75		AA-WAXM	LIN	2	CONT	주요소 전체		
76		AA-WAXM-CONC	LIN	2	CONT	주요소-콘크리트		
77		AA-WAXM-REBR	LIN	6	CONT	주요소-철근		
78		AA-WAXM-BRCK	LIN	3	CONT	주요소-벽돌		
79		AA-WAXM-BLOK	LIN	3	CONT	주요소-블록		
80		AA-WAXM-NORT	LIN	3	CONT	주요소-비내력벽		
81		AA-WAXM-ASMB	LIN	4	CONT	주요소-조립식벽		
82		AA-WAXM-OPEN	LIN	4	CONT	벽 개구부		
83		AA-WAXM-CRTW	LIN	4	CONT	주요소-장막벽		
84		AA-WAXM-OTHR	LIN	4	CONT	주요소-기타벽		
85		AA-WAXS	LIN	4	CONT	부요소 전체		
86		AA-WAXS-FRAM	LIN	4	CONT	부요소-프레임		
87		AA-WAXS-FRPR	LIN	9	CONT	부요소-단열재		
88		AA-WAXS-FINL	LIN	4	CONT	부요소-마감선		
89		AA-WAXK	TXT	3	CONT	표기요소 전체		
90		AA-WAXK-PATT	LIN	9	CONT	표기요소-해치		
91		AA-WAXK-IDNT	SYM	4	CONT	표기요소-부호		
92		AA-WAXK-DIMS	LIN	7	CONT	표기요소-치수선		
93		AA-WAXK-CNTL	LIN	1	A-CENTR01	표기요소-중심선		
94	창호	AA-DWXX	-	-	-	전체		
95		AA-DWXM	LIN	7	CONT	주요소 전체		
96		AA-DWXM-DOOR	SYM	7	CONT	주요소-문		
97		AA-DWXM-WIND	SYM	7	CONT	주요소-창		
98		AA-DWXM-GLAZ	LIN	4	CONT	주요소-창문(유리)		
99		AA-DWXM-STHC	SYM	9	CONT	주요소-셔터해치		
100		AA-DWXM-OTHR	LIN	7	CONT	주요소-기타형태의 창호		
101		AA-DWXK	TXT	4	CONT	표기요소 전체		

AA : 건축분야(A)+일반건축(A)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
102	창호	AA-DWXK-PATT	LIN	9	CONT	표기요소-해치		
103		AA-DWXK-IDNT	SYM	4	CONT	표기요소-부호		
104		AA-DWXK-DIMS	LIN	7	CONT	표기요소-치수선		
105		AA-DWXK-CNTL	LIN	1	A-CENTR01	표기요소-중심선		
106	바닥	AA-FLXX	-	-	-	전체		
107		AA-FLXM	LIN	7	CONT	주요소 전체		
108		AA-FLXM-FLOR	LIN	7	CONT	주요소-바닥경계 등		
109		AA-FLXM-REBR	LIN	6	CONT	주요소-철근		
110		AA-FLXS	LIN	4	CONT	부요소 전체		
111		AA-FLXS-RSFL	LIN	4	CONT	부요소-무대,강단 등		
112		AA-FLXS-ATTC	LIN	4	CONT	부요소-트렌치 등		
113		AA-FLXS-OTHR	LIN	4	CONT	부요소-기타		
114		AA-FLXS-FINL	LIN	4	CONT	부요소-마감선		
115		AA-FLXK	TXT	3	CONT	표기요소 전체		
116		AA-FLXK-IDNT	SYM	3	CONT	표기요소-부호		
117		AA-FLXK-OPEN	LIN	9	A-HIDDN01	표기요소-개구부 표시		
118		AA-FLXK-PATT	LIN	9	CONT	표기요소-해치		
119		AA-FLXK-DIMS	LIN	7	CONT	표기요소-치수선		
120		AA-FLXK-CNTL	LIN	1	A-CENTR01	표기요소-중심선		
121	계단/경사로	AA-SSXX	-	-	-	전체		
122		AA-SSXM	LIN	7	CONT	주요소 전체		
123		AA-SSXM-CONC	LIN	3	CONT	주요소-콘크리트		
124		AA-SSXM-REBR	LIN	6	CONT	주요소-철근		
125		AA-SSXM-RAMP	LIN	2	CONT	램프 및 굴삭부		
126		AA-SSXM-STRS	LIN	4	CONT	계단		
127		AA-SSXS	LIN	4	CONT	부요소 전체(난간등)		
128		AA-SSXS-HRAL	LIN	6	CONT	핸드레일		
129		AA-SSXK	TXT	3	CONT	표기요소 전체		
130	지붕	AA-RFXX	-	-	-	전체		
131		AA-RFXM	LIN	6	CONT	주요소 전체		
132		AA-RFXS	LIN	4	CONT	부요소 전체(처마,난간등)		
133		AA-RFXS-WATR	LIN	3	CONT	지붕 미장/방수		
134		AA-RFXS-HRAL	LIN	6	CONT	지붕 손잡이/미끄럼방지		
135		AA-RFXS-STRS	LIN	6	CONT	지붕계단 난간/사다리		
136		AA-RFXK	TXT	3	CONT	표기요소 전체		
137	기타기본구조	AA-OTXX	LIN	8	CONT	전체		
138	천정	AA-CEXX	-	-	-	전체		
139		AA-CEXM	LIN	6	CONT	주요소 전체		
140		AA-CEXM-BASE	LIN	6	CONT	주요소-기본바탕		
141		AA-CEXM-ARCH	LIN	5	CONT	주요소-건축요소		
142		AA-CEXS	LIN	3	CONT	부요소 전체		
143	천정	AA-CEXK	TXT	4	CONT	표기요소 전체		

AA : 건축분야(A)+일반건축(A)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
144	내부설비	AA-FFXX	-	-	-	전체		
145		AA-FFXM	SYM	4	CONT	주요소 전체		
146		AA-FFXM-GUID	SYM	4	CONT	주요소-통합안내설치물(표지판,진열 등)		
147		AA-FFXM-FURN	SYM	4	CONT	주요소-휴식업무설비(가구집기)		
148		AA-FFXM-KICH	SYM	4	CONT	주요소-주방설비(싱크대,냉장고)		
149		AA-FFXM-SANI	SYM	4	CONT	주요소-위생설비(변기,세면기)		
150		AA-FFXM-CLEN	SYM	4	CONT	주요소-청소세탁설비		
151		AA-FFXM-STRG	SYM	4	CONT	주요소-저장차폐설비(저장고,벽장,금고 등)		
152		AA-FFXM-OTHR	SYM	4	CONT	주요소-기타내부설비(예술작품 등)		
153		AA-FFXS	LIN	4	CONT	부요소 전체		
154		AA-FFXK	TXT	3	CONT	표기요소 전체		

4. 기계설비분야 레이어 목록

4.1 공기조화 시스템(HVAC System) : MH

MH : 기계설비분야(M)+공기조화시스템(H)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	공기조화 공통	MH-XXXX	LIN	4	CONT	공기조화 공통		
2	냉난방	MH-ACHT	PLN	3	CONT	냉난방 공통		
3		MH-ACHT-PIPE	PLN	7	CONT	냉온수 배관		
4		MH-ACHT-EQPM	SYM	4	CONT	냉난방설비		
5		MH-ACHT-FIXT	SYM	4	CONT	냉난방부품		
6		MH-ACHT-TEXT	T25	4	CONT	냉난방문자		
7		MH-ACHT-MISC	LIN	3	CONT	냉난방기타		
8	난방	MH-HEAT	PLN	3	CONT	난방 공통		
9		MH-HEAT-PIPE	PLN	7	CONT	온수배관/급탕환탕		
10		MH-HEAT-EQPM	SYM	4	CONT	난방설비		
11		MH-HEAT-FIXT	SYM	4	CONT	난방부품		
12		MH-HEAT-TEXT	T25	4	CONT	난방문자		
13		MH-HEAT-MISC	LIN	3	CONT	난방기타		
14	냉방	MH-ACON	LIN	4	CONT	냉방 공통		
15		MH-ACON-PIPE	PLN	4	CONT	냉각수 배관		
16		MH-ACON-EQPM	SYM	4	CONT	냉방설비		
17		MH-ACON-FIXT	SYM	4	CONT	냉방부품		
18		MH-ACON-TEXT	T25	3	CONT	냉방문자		
19		MH-ACON-MISC	LIN	3	CONT	냉방기타		
20	증기	MH-STEM	LIN	3	CONT	증기 공통		
21		MH-STEM-PIPE	PLN	6	CONT	증기배관		
22		MH-STEM-EQPM	SYM	4	CONT	증기설비		
23		MH-STEM-FIXT	SYM	4	CONT	증기부품		
24		MH-STEM-TEXT	T25	4	CONT	증기문자		
25		MH-STEM-MISC	LIN	3	CONT	증기기타		
26	급기/외기	MH-SDUT	LIN	4	CONT	급기 공통		
27		MH-SDUT-DUCT	PGN	4	CONT	급기덕트		
28		MH-SDUT-PIPE	PLN	7	CONT	급기배관		
29		MH-SDUT-EQPM	SYM	4	CONT	급기설비		
30		MH-SDUT-FIXT	SYM	4	CONT	급기부품		
31		MH-SDUT-TEXT	T25	4	CONT	급기문자		
32		MH-SDUT-MISC	LIN	3	CONT	급기기타		
33	배기	MH-EDUT	LIN	3	CONT	배기 공통		
34		MH-EDUT-DUCT	PGN	4	CONT	배기덕트		
35		MH-EDUT-PIPE	PLN	7	CONT	배기배관		
36		MH-EDUT-EQPM	SYM	4	CONT	배기설비		
37		MH-EDUT-FIXT	SYM	3	CONT	배기부품		
38		MH-EDUT-TEXT	T25	4	CONT	배기문자		
39		MH-EDUT-MISC	LIN	3	CONT	배기기타		
40	환기	MH-RDUT	LIN	4	CONT	환기 공통		

MH : 기계설비분야(M)+공기조화시스템(H)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
41		MH-RDUT-DUCT	PGN	4	CONT	환기덕트		
42		MH-RDUT-PIPE	PLN	7	CONT	환기배관		
43		MH-RDUT-EQPM	SYM	4	CONT	환기설비		
44		MH-RDUT-FIXT	SYM	4	CONT	환기부품		
45		MH-RDUT-TEXT	T25	4	CONT	환기문자		
46		MH-RDUT-MISC	LIN	3	CONT	환기기타		
47	테이블	MH-TABL	LIN	3	CONT	테이블		
48		MH-TABL-LIN1	LIN	2	CONT	테이블 굵은선		
49		MH-TABL-LIN2	LIN	2	CONT	테이블 가는선		
50		MH-TABL-TEX1	T40	6	CONT	테이블제목문자		
51		MH-TABL-TEX2	T25	3	CONT	테이블내용문자		
52	문자	MH-TEXT	T25	3	CONT	문자공통		
53	치수	MH-DIMS	LIN	1	CONT	치수공통		
54		MH-DIML	LIN	1	CONT	치수선		
55		MH-DIMT	T25	3	CONT	치수문자		
56	인출	MH-LEAD	LIN	1	CONT	인출공통		
57		MH-LEAL	LIN	1	CONT	인출선		
58		MH-LEAT	T25	3	CONT	인출문자		
59	심벌	MH-SYMB	SYM	3	CONT	심벌공통		
60	해칭	MH-PATT	PAT	1	CONT	해칭공통		
61	주석(註釋)	MH-NOTE	T25	3	CONT	주석(註釋)		
62	이음(MATCH)	MH-MACL	LIN	6	A-CENTR01	이음선		
63		MH-MACT	T40	6	CONT	이음문자		
64	중심선	MH-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
65	절단선	MH-CUTL	PLN	1	A-CENTR01	절단선		
66	HVAC 기타	MH-MISC	PLN	3	CONT	HVAC 기타		

4.2 위생설비(Plumbing) : MB

MB : 기계설비분야(M)+위생설비(B)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	위생설비 공통	MB-XXXX	LIN	3	CONT	위생설비 공통		
2	급수/급탕	MB-WATR	LIN	4	CONT	급수/급탕 공통		
3		MB-WATR-CPIP	PLN	7	CONT	냉수배관		
4		MB-WATR-HPIP	PLN	6	CONT	온수배관		
5		MB-WATR-MPIP	PLN	6	CONT	기타배관		
6		MB-WATR-EQPM	LIN	4	CONT	상수설비		
7		MB-WATR-FIXT	SYM	6	CONT	급수부품		
8		MB-WATR-KICH	SYM	4	CONT	주방부엌설비		
9		MB-WATR-TEXT	T25	4	CONT	급수/급탕문자		
10		MB-WATR-MISC	LIN	3	CONT	급수/급탕기타		
11	오수/하수	MB-SANI	LIN	3	CONT	오수/하수 공통		
12		MB-SANI-PIPE	LIN	6	CONT	오수/하수배관		
13		MB-SANI-EQPM	SYM	4	CONT	하수/위생설비		
14		MB-SANI-FIXT	SYM	4	CONT	위생설비부품		
15		MB-SANI-TEXT	T25	4	CONT	오수/하수문자		
16		MB-SANI-MISC	LIN	3	CONT	오수/하수기타		
17	배수/우수	MB-DRAN	LIN	3	CONT	배수/우수 공통		
18		MB-DRAN-PIPE	LIN	6	CONT	우수배관		
19		MB-DRAN-EQPM	SYM	4	CONT	우수처리설비		
20		MB-DRAN-FIXT	SYM	4	CONT	우수처리부품		
21		MB-DRAN-TEXT	T25	4	CONT	우수문자		
22		MB-DRAN-MISC	LIN	3	CONT	우수기타		
23	테이블	MB-TABL	LIN	3	CONT	테이블		
24		MB-TABL-LIN1	LIN	4	CONT	테이블 굵은선		
25		MB-TABL-LIN2	LIN	1	CONT	테이블 가는선		
26		MB-TABL-TEX1	T40	6	CONT	테이블제목문자		
27		MB-TABL-TEX2	T25	3	CONT	테이블내용문자		
28	문자	MB-TEXT	T25	3	CONT	문자공통		
29	치수	MB-DIMS	LIN	1	CONT	치수공통		
30		MB-DIML	LIN	1	CONT	치수선		
31		MB-DIMT	T25	3	CONT	치수문자		
32	인출	MB-LEAD	LIN	1	CONT	인출공통		
33		MB-LEAL	LIN	1	CONT	인출선		
34		MB-LEAT	T25	3	CONT	인출문자		
35	심벌	MB-SYMB	SYM	3	CONT	심벌공통		
36	해칭	MB-PATT	PAT	1	CONT	해칭공통		
37	주석(註釋)	MB-NOTE	T25	3	CONT	주석(註釋)		
38	이음(MATCH)	MB-MACL	LIN	6	A-CENTR01	이음선		
39		MB-MACT	T40	6	CONT	이음문자		
40	중심선	MB-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		

MB : 기계설비분야(M)+위생설비(B)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
41	절단선	MB-CUTL	PLN	1	A-CENTR01	절단선		
42	위생설비 기타	MB-MISC	PLN	3	CONT	위생설비 기타		

4.3 소방설비(Fire prevention equipment) : MF

MF : 기계설비분야(M)+소방설비(F)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	소방설비 공통	MF-XXXX	LIN	4	CONT	소방설비 공통		
2	소방배관	MF-LINE	PLN	7	CONT	소방배관 공통		
3		MF-LINE-PIPE	PLN	6	CONT	소방배관(PIPE)		
4		MF-LINE-FIXT	SYM	4	CONT	소방배관부품		
5		MF-LINE-TEXT	T25	4	CONT	소방배관문자		
6		MF-LINE-MISC	PLN	3	CONT	소방배관기타		
7	소방장치	MF-EQPM	LIN	3	CONT	소방장치		
8		MF-EQPM-IFHY	SYM	4	CONT	옥내소화전		
9		MF-EQPM-OFHY	SYM	4	CONT	옥외소화전	C0256324	소화전
10		MF-EQPM-SHRT	LIN	3	CONT	방화문/샷터		
11		MF-EQPM-SPNK	SYM	4	CONT	스프링클러		
12		MF-EQPM-TEXT	T25	4	CONT	소방장치문자		
13		MF-EQPM-MISC	LIN	3	CONT	소방장치기타		
14	제연/배연	MF-SMOK	LIN	3	CONT	제연/배연 공통		
15		MF-SMOK-CTRL	SYM	4	CONT	하론/제연설비		
16		MF-SMOK-DCHG	SYM	4	CONT	배연설비		
17		MF-SMOK-TEXT	T25	4	CONT	제연배연문자		
18		MF-SMOK-MISC	SYM	3	CONT	제연배연기타		
19	테이블	MF-TABL	LIN	3	CONT	테이블		
20		MF-TABL-LIN1	LIN	4	CONT	테이블 굵은선		
21		MF-TABL-LIN2	LIN	1	CONT	테이블 가는선		
22		MF-TABL-TEX1	T40	6	CONT	테이블제목문자		
23		MF-TABL-TEX2	T25	3	CONT	테이블내용문자		
24	문자	MF-TEXT	T25	3	CONT	문자공통		
25	치수	MF-DIMS	LIN	1	CONT	치수공통		
26		MF-DIML	LIN	1	CONT	치수선		
27		MF-DIMT	T25	3	CONT	치수문자		
28	인출	MF-LEAD	LIN	1	CONT	인출공통		
29		MF-LEAL	LIN	1	CONT	인출선		
30		MF-LEAT	T25	3	CONT	인출문자		
31	심벌	MF-SYMB	SYM	3	CONT	심벌공통		
32	해칭	MF-PATT	PAT	1	CONT	해칭공통		
33	주석(註釋)	MF-NOTE	T25	3	CONT	주석(註釋)		
34	이음(MATCH)	MF-MACL	LIN	6	A-CENTR01	이음선		
35		MF-MACT	T40	6	CONT	이음문자		
36	중심선	MF-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
37	절단선	MF-CUTL	PLN	1	A-CENTR01	절단선		
38	소방설비 기타	MF-MISC	PLN	3	CONT	소방설비 기타		

4.4 기타(Miscellany) : MM

MM : 기계설비분야(M)+기타(M)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	기타설비 공통	MM-XXXX	LIN	3	CONT	기타설비 공통		
2	연료설비	MM-FUEL	LIN	4	CONT	연료설비 공통		
3		MM-FUEL-PIPE	PLN	6	CONT	연료배관	C0246123	(수송관-지상)송유관
4		MM-FUEL-EQPM	SYM	4	CONT	연료설비		
5		MM-FUEL-FIXT	SYM	4	CONT	연료부품		
6		MM-FUEL-TEXT	T25	4	CONT	연료문자		
7		MM-FUEL-MISC	LIN	3	CONT	연료기타		
8	개스설비	MM-NGAS	LIN	3	CONT	개스설비 공통		
9		MM-NGAS-PIPE	PLN	7	CONT	개스배관	C0246124	(수송관-지상)가스관
10		MM-NGAS-EQPM	SYM	4	CONT	개스설비		
11		MM-NGAS-FIXT	SYM	4	CONT	개스부품		
12		MM-NGAS-TEXT	T25	4	CONT	개스문자		
13		MM-NGAS-MISC	LIN	3	CONT	개스기타		
14	처리시설	MM-PLNT	LIN	4	CONT	처리시설 공통		
15		MM-PLNT-PIPE	LIN	7	CONT	처리설비배관		
16		MM-PLNT-EQPM	SYM	4	CONT	처리설비		
17		MM-PLNT-FIXT	SYM	4	CONT	처리설비부품		
18		MM-PLNT-TEXT	T25	4	CONT	처리설비문자		
19		MM-PLNT-MISC	LIN	3	CONT	처리설비기타		
20	자동제어	MM-CTRL	LIN	3	CONT	자동제어장치 공통		
21		MM-CTRL-PANL	SYM	3	CONT	제어반		
22		MM-CTRL-CABL	PLN	7	CONT	케이블		
23		MM-CTRL-TEXT	T25	4	CONT	제어반문자		
24		MM-CTRL-MISC	LIN	3	CONT	제어반기타		
25	테이블	MM-TABL	LIN	3	CONT	테이블		
26		MM-TABL-LIN1	LIN	4	CONT	테이블 굵은선		
27		MM-TABL-LIN2	LIN	1	CONT	테이블 가는선		
28		MM-TABL-TEX1	T40	6	CONT	테이블제목문자		
29		MM-TABL-TEX2	T25	3	CONT	테이블내용문자		
30	문자	MM-TEXT	T25	3	CONT	문자공통		
31	치수	MM-DIMS	LIN	1	CONT	치수공통		
32		MM-DIML	LIN	1	CONT	치수선		
33		MM-DIMT	T25	3	CONT	치수문자		
34	인출	MM-LEAD	LIN	1	CONT	인출공통		
35		MM-LEAL	LIN	1	CONT	인출선		
36		MM-LEAT	T25	3	CONT	인출문자		
37	심벌	MM-SYMB	SYM	3	CONT	심벌공통		
38	해칭	MM-PATT	PAT	1	CONT	해칭공통		
39	주석(註釋)	MM-NOTE	T25	3	CONT	주석(註釋)		
40	이음(MATCH)	MM-MACL	LIN	6	A-CENTR01	이음선		

MM : 기계설비분야(M)+기타(M)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41		MM-MACT	T40	6	CONT	이음문자		
42	중심선	MM-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
43	절단선	MM-CUTL	PLN	1	A-CENTR01	절단선		
44	기타설비 기타	MM-MISC	LIN	3	CONT	기타설비 공통		
45		MM-MISC-PIPE	PLN	6	CONT	기타배관		
46		MM-MISC-EQPM	SYM	4	CONT	기타설비		
47		MM-MISC-FIXT	SYM	4	CONT	기타부품		
48		MM-MISC-TEXT	T25	4	CONT	처리설비문자		

5. 전기설비분야 레이어 목록

5.1 배전설비(Electric power distribution) : ED

ED : 전기설비분야(E)+배전설비(D)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	배전설비 공통	ED-XXXX	PLN	4	CONT	배전설비 공통		
2	배관배선	ED-LINE	PLN	7	CONT	배관배선 공통		
3		ED-LINE-OVER	PLN	7	CONT	전기배관배선(가공식)	C0246125	(수송관-지상)송전선
4		ED-LINE-CELG	PLN	6	CONT	배관배선(천정 매입)		
5		ED-LINE-HIDE	PLN	6	A-ISONS06	배관배선(천정 은폐)		
6		ED-LINE-FLOR	PLN	6	A-ISONS08	배관배선(바닥)		
7		ED-LINE-EXPO	PLN	6	A-DASHD01	배관배선(노출)		
8		ED-LINE-BURD	PLN	6	A-ISONS04	배관배선(지중)	C0246135	(수송관-지하)송전선
9		ED-LINE-PROT	PLN	6	CONT	전기배관배선(보호식)		
10		ED-LINE-TEXT	T25	3	CONT	전기배관배선 문자		
11		ED-LINE-MISC	PLN	4	CONT	배관배선 기타		
12	케이블배선	ED-CABL	PLN	4	A-ISONS05	케이블배선 공통		
13	전기통신구	ED-BLOK	LIN	4	CONT	전기통신구 공통		
14	핏트	ED-CPIT	PLN	4	CONT	배전핏트(PIT)	C0246344	전기맨홀
15	트레이	ED-TRAY	PLN	4	CONT	배전설비 공통		
16	덕트	ED-DUCT	PLN	4	CONT	덕트		
17	콘센트	ED-CONT	SYM	3	CONT	콘센트 공통		
18	회로관련	ED-CURT	SYM	4	CONT	전기회로 공통		
19	토목배전선로	ED-TRAK	LIN	4	CONT	토목배전선로 공통		
20		ED-TRAK-CABL	PLN	4	CONT	토목배전관련 케이블		
21		ED-TRAK-EQPM	SYM	6	CONT	토목배전관련 배전설비		
22		ED-TRAK-LIGH	SYM	4	CONT	토목배전관련 조명설비		
23		ED-TRAK-TEXT	T25	3	CONT	토목배전관련 문자		
24		ED-TRAK-MISC	LIN	3	CONT	토목배전선로 기타		
25	교량배전선로	ED-BRDG	LIN	4	CONT	교량배전선로 공통		
26		ED-BRDG-CABL	PLN	4	CONT	교량관련 케이블		
27		ED-BRDG-EQPM	SYM	6	CONT	교량관련 배전설비		
28		ED-BRDG-LIGH	SYM	4	CONT	교량관련 조명설비		
29		ED-TRAK-TEXT	T25	3	CONT	교량배전관련 문자		
30		ED-BRDG-MISC	LIN	3	CONT	교량배전선로 기타		
31	터널배전선로	ED-TUNL	LIN	4	CONT	터널배전선로 공통		
32		ED-TUNL-CABL	PLN	4	CONT	터널관련 케이블		
33		ED-TUNL-EQPM	SYM	6	CONT	터널관련 배전설비		
34		ED-TUNL-LIGH	SYM	4	CONT	터널관련 조명설비		
35		ED-TUNL-DISA	SYM	4	CONT	터널방재관련설비		
36		ED-TRAK-TEXT	T25	3	CONT	터널배전관련 문자		
37		ED-TUNL-MISC	LIN	3	CONT	터널배전선로 기타		
38	동력/전열설비	ED-EQPM	LIN	4	CONT	동력/전열설비 공통		
39		ED-EQPM-CABL	PLN	4	CONT	동력/전열설비 케이블		
40	동력/전열설비	ED-EQPM-PASS	SYM	3	CONT	운송설비(엘리베이터 등)		

ED : 전기설비분야(E)+배전설비(D)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41		ED-EQPM-MOTR	SYM	3	CONT	모터등 동력설비		
42		ED-EQPM-HVAC	SYM	4	CONT	전열/공조설비		
43		ED-EQPM-TEXT	T25	3	CONT	동력/전열설비 문자		
44		ED-EQPM-MISC	LIN	3	CONT	기타설비		
45	조명설비	ED-LIGH	SYM	3	CONT	조명설비 공통		
46		ED-LIGH-CABL	PLN	4	CONT	건축조명설비 케이블		
47		ED-LIGH-ICAN	SYM	6	CONT	백열등		
48		ED-LIGH-FLUR	SYM	4	CONT	형광등		
49		ED-LIGH-EMER	SYM	4	CONT	비상조명		
50		ED-LIGH-SPEC	SYM	3	CONT	특수/무대조명		
51		ED-LIGH-TEXT	T25	3	CONT	조명설비 문자		
52		ED-LIGH-MISC	SYM	3	CONT	기타 조명		
53	전기설비	ED-INST	LIN	3	CONT	전기설비 공통		
54		ED-INST-TFMR	SYM	4	CONT	변압기		
55		ED-INST-BRAK	SYM	4	CONT	차단기		
56		ED-INST-DCON	SYM	4	CONT	단로기		
57		ED-INST-ARST	SYM	4	CONT	피뢰기		
58		ED-INST-ELTF	SYM	4	CONT	변성기		
59		ED-INST-CRTF	SYM	4	CONT	변류기		
60		ED-INST-HFLT	SYM	4	CONT	고조파필터기		
61		ED-INST-TEXT	T25	3	CONT	전기설비 문자		
62		ED-INST-MISC	LIN	3	CONT	전기설비 기타		
63	철주	ED-TOWR	SYM	6	CONT	전기철주(탑)		
64	전주	ED-POST	SYM	4	CONT	전주 공통	C0236242	전력주
65	가로등	ED-SLGH	SYM	4	CONT	가로등 공통		
66	교통신호등	ED-TLGH	SYM	4	CONT	교통신호등	C0493376	신호등
67	맨홀	ED-MANH	SYM	3	CONT	맨홀, 핸드홀 공통	C0246344	전기맨홀
68	스위치	ED-SWIT	SYM	4	CONT	스위치 공통		
69	배분전반	ED-CTRL	LIN	4	CONT	배.분전함(반) 공통		
70		ED-CTRL-PANL	SYM	4	CONT	배.분전함(반)		
71		ED-CTRL-RELY	SYM	6	CONT	계전기		
72		ED-CTRL-WACH	SYM	4	CONT	원격감시제어반		
73		ED-CTRL-JUNT	SYM	4	CONT	전원/풀박스 등		
74		ED-CTRL-TEXT	T25	3	CONT	제어반 문자		
75		ED-CTRL-MISC	SYM	3	CONT	콘센트 등		
76	접지	ED-GRND	PLN	6	CONT	접지 공통		
77		ED-GRND-CABL	PLN	4	CONT	접지배선		
78		ED-GRND-EQPM	SYM	3	CONT	접지설비		
79		ED-GRND-TEXT	T25	3	CONT	접지문자		
80		ED-GRND-MISC	SYM	3	CONT	접지기타		
81	제원테이블	ED-TABL	LIN	3	CONT	제원테이블		
82		ED-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
83	제원테이블	ED-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		

ED : 전기설비분야(E)+배전설비(D)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
84		ED-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
85	제원테이블	ED-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
86	문자	ED-TEXT	T25	3	CONT	문자공통		
87	치수	ED-DIMS	LIN	1	CONT	치수공통		
88		ED-DIML	LIN	1	CONT	치수선		
89		ED-DIMT	T25	3	CONT	치수문자		
90	인출	ED-LEAD	LIN	1	CONT	인출공통		
91		ED-LEAL	LIN	1	CONT	인출선		
92		ED-LEAT	T25	3	CONT	인출문자		
93	심벌	ED-SYMB	SYM	3	CONT	심벌공통		
94	해칭	ED-PATT	PAT	1	CONT	해칭공통		
95	주석(註釋)	ED-NOTE	T25	3	CONT	주석(註釋)		
96	이음(MATCH)	ED-MACL	LIN	6	A-CENTR01	이음선		
97		ED-MACT	T40	6	CONT	이음문자		
98	중심선	ED-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
99	배전설비기타	ED-MISC	LIN	3	CONT	배전설비 기타		

5.2 소방전기(Fire prevention equipment) : EF

EF : 전기설비분야(E)+소방전기(F)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	소방전기 공통	EF-XXXX	LIN	4	CONT	소방전기 공통		
2	소방배선	EF-LINE	PLN	7	CONT	배관배선 공통		
3		EF-LINE-OVER	PLN	7	CONT	전기배관배선(가공식)		
4		EF-LINE-CELG	PLN	7	CONT	배관배선(천정 매입)		
5		EF-LINE-HIDE	PLN	4	A-ISONS06	배관배선(천정 은폐)		
6		EF-LINE-FLOR	PLN	6	A-ISONS08	배관배선(바닥)		
7		EF-LINE-EXPO	PLN	4	A-DASHD01	배관배선(노출)		
8		EF-LINE-BURD	PLN	4	A-ISONS04	배관배선(지중)		
9		EF-LINE-PROT	PLN	6	CONT	전기배관배선(보호식)		
10		EF-LINE-TEXT	T25	3	CONT	전기배관배선 문자		
11		EF-LINE-MISC	PLN	4	CONT	배관배선 기타		
12	핏트	EF-CPIT	PLN	4	CONT	배선핏트(PIT)		
13	트레이	EF-TRAY	PLN	4	CONT	트레이/트러프		
14	덕트배선	EF-DUCT	PLN	4	CONT	덕트		
15	소방장치	EF-EQPM	LIN	3	A-ISONS05	소방장치		
16		EF-EQPM-CABL	PLN	4	CONT	소방제어케이블		
17		EF-EQPM-PREV	SYM	3	CONT	방화장치		
18		EF-EQPM-SMOK	SYM	3	CONT	제연/배연장치		
19		EF-EQPM-LAMP	SYM	3	CONT	유도등/비상등		
20		EF-EQPM-TEXT	T25	3	CONT	소방장치문자		
21		EF-EQPM-MISC	LIN	3	CONT	기타 소방장치		
22	탐지/수발신기	EF-DTEC	LIN	3	CONT	탐지/수발신기		
23		EF-DTEC-CABL	PLN	4	CONT	자동탐지케이블		
24		EF-DTEC-SENC	SYM	4	CONT	자동탐지(감지기)		
25		EF-DTEC-DEVC	SYM	4	CONT	수발신기		
26		EF-DTEC-TEXT	T25	3	CONT	탐지/수발신문자		
27		EF-DTEC-MISC	LIN	3	CONT	탐지/수발신기 기타		
28	제어(반)	EF-CTRL	LIN	4	CONT	제어(반) 공통		
29		EF-CTRL-PANL	SYM	4	CONT	제어(반)		
30		EF-CTRL-RELY	SYM	6	CONT	계전기		
31		EF-CTRL-WACH	SYM	4	CONT	원격감시제어반		
32		EF-CTRL-JUNT	SYM	4	CONT	전원/풀박스 등		
33		EF-CTRL-TEXT	T25	3	CONT	제어반 문자		
34		EF-CTRL-MISC	SYM	3	CONT	콘센트 등 기타		
35	스위치	EF-SWIT	SYM	4	CONT	스위치 공통		
36	콘센트	EF-CONT	SYM	3	CONT	콘센트 공통		
37	회로관련	EF-CURT	SYM	4	CONT	전기회로 공통		
38	접지	EF-GRND	LIN	6	CONT	접지		
39		EF-GRND-CABL	PLN	4	CONT	접지배선		
40	접지	EF-GRND-EQPM	SYM	3	CONT	접지설비		

EF : 전기설비분야(E)+소방전기(F)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41		EF-GRND-TEXT	T25	3	CONT	접지문자		
42		EF-GRND-MISC	SYM	3	CONT	접지기타		
43	제원테이블	EF-TABL	LIN	3	CONT	제원테이블		
44		EF-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
45		EF-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
46		EF-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
47		EF-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
48	문자	EF-TEXT	T25	3	CONT	문자공통		
49	치수	EF-DIMS	LIN	1	CONT	치수공통		
50		EF-DIML	LIN	1	CONT	치수선		
51		EF-DIMT	T25	3	CONT	치수문자		
52	인출	EF-LEAD	LIN	1	CONT	인출공통		
53		EF-LEAL	LIN	1	CONT	인출선		
54		EF-LEAT	T25	3	CONT	인출문자		
55	심벌	EF-SYMB	SYM	3	CONT	심벌공통		
56	해칭	EF-PATT	PAT	1	CONT	해칭공통		
57	주석(註釋)	EF-NOTE	T25	3	CONT	주석(註釋)		
58	이음(MATCH)	EF-MACL	LIN	6	A-CENTR01	이음선		
59		EF-MACT	T40	6	CONT	이음문자		
60	중심선	EF-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
61	절단선	EF-CUTL	PLN	1	A-CENTR01	절단선		
62	소방전기 기타	EF-MISC	PLN	3	CONT	소방전기 기타		

5.3 송변전설비(Power transmission) : ET

ET : 전기설비분야(E)+송변전설비(T)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	송변전설비 공통	ET-XXXX	LIN	4	CONT	송변전설비 공통		
2	가공선로	ET-OVER	PLN	7	CONT	가공송전선로 공통		
3		ET-OVER-CABL	PLN	7	CONT	가공송전선	C0246125	(수송관-지상)송전선
4		ET-OVER-MLIN	PLN	7	CONT	가공송전선로(기간송전)	C0246125	(수송관-지상)송전선
5		ET-OVER-M765	PLN	7	CONT	가공송전선로(765KV)	C0246125	(수송관-지상)송전선
6		ET-OVER-M345	PLN	7	CONT	가공송전선로(345KV)	C0246125	(수송관-지상)송전선
7		ET-OVER-SLIN	PLN	6	CONT	가공송전선로(지역송전)	C0246125	(수송관-지상)송전선
8		ET-OVER-S154	PLN	6	CONT	가공송전선로(154KV)	C0246125	(수송관-지상)송전선
9		ET-OVER-S066	PLN	6	CONT	가공송전선로(66KV)	C0246125	(수송관-지상)송전선
10		ET-OVER-S022	PLN	6	CONT	가공송전선로(22.9KV)	C0246125	(수송관-지상)송전선
11		ET-OVER-HVDC	PLN	7	A-DASHD01	고압직류송전선로(HDVC)	C0246125	(수송관-지상)송전선
12		ET-OVER-ULIM	PLN	4	A-DASHD01	선로영향범위(고공)		
13		ET-OVER-DLIM	PLN	4	A-CENTR01	선로영향범위(수목, 평면)		
14		ET-OVER-TEXT	T25	3	CONT	가공선로 문자	H0049144	(주기)산업시설물
15		ET-OVER-MISC	LIN	3	CONT	가공선로 기타		
16	지중선로	ET-BURD	PLN	6	CONT	지중송전선로 공통		
17		ET-BURD-CABL	PLN	6	CONT	지중송전선	C0246135	(수송관-지하)송전선
18		ET-BURD-MLIN	PLN	7	CONT	지중송전선로(기간송전)	C0246135	(수송관-지하)송전선
19		ET-BURD-SLIN	PLN	7	CONT	지중송전선로(지역송전)	C0246135	(수송관-지하)송전선
20		ET-BURD-S066	PLN	6	CONT	지중송전선로(66KV)	C0246135	(수송관-지하)송전선
21		ET-BURD-S022	PLN	6	CONT	지중송전선로(22.9KV)	C0246135	(수송관-지하)송전선
22		ET-BURD-HVDC	PLN	7	A-DASHD01	고압직류송전선로(HDVC)	C0246135	(수송관-지하)송전선
23		ET-BURD-PIPE	PLN	3	CONT	지중선관로	C0246135	(수송관-지하)송전선
24		ET-BURD-TRUF	PLN	3	CONT	지중선트러프		
25		ET-BURD-BOXC	LIN	4	CONT	공동구(전기통신구)		
26		ET-BURD-PITT	LIN	4	CONT	핏트		
27		ET-BURD-TEXT	T25	3	CONT	지중선로 문자	H0049144	(주기)산업시설물
28		ET-BURD-MISC	LIN	3	CONT	지중선로 기타		
29	송전철탑	ET-TOWR	PLN	6	CONT	송전철탑 공통	C0346225	송전탑
30		ET-TOWR-FOND	PLN	7	CONT	철탑 기초		
31		ET-TOWR-STEL	LIN	4	CONT	철탑 철구조물		
32		ET-TOWR-INSL	SYM	3	CONT	애자		
33		ET-TOWR-ALGH	SYM	3	CONT	항공장애등	C0166235	유도등
34		ET-TOWR-EQPM	PLN	3	CONT	댐퍼 등 철탑시설물		
35		ET-TOWR-TEXT	T25	3	CONT	송전선로철탑 문자		
36		ET-TOWR-MISC	LIN	3	CONT	철탑 기타		
37	전주	ET-POST	LIN	4	CONT	전주	C0236242	전력주
38	전기맨홀	ET-MANH	SYM	3	CONT	전기맨홀/핸드홀	C0246344	전기맨홀
39	전력구	ET-UBOX	PLN	6	CONT	지중송변전 전력구	C0246341	공동구맨홀
40	핏트	ET-CPIT	PLN	4	CONT	송전핏트(PIT)		

ET : 전기설비분야(E)+송변전설비(T)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41	트레이	ET-TRAY	PLN	4	CONT	트레이/트러프		
42	변전소	ET-SSTA	LIN	3	CONT	변전소		
43		ET-SSTA-BLDG	PLN	6	CONT	변전소 건물	B0014111 B0014313	주택외건물 변전소
44		ET-SSTA-BOND	PLN	6	E-FENCE01	변전소 경계(휀스)	B0024125	철조망
45		ET-SSTA-EQPM	SYM	3	CONT	변압기 등 변전기기		
46		ET-SSTA-TEXT	T30	4	CONT	변전소 문자	H0049144	(주기)산업시설물
47		ET-SSTA-MISC	LIN	4	CONT	변전소 기타		
48	급전소	ET-FSTA	LIN	3	CONT	급전소		
49		ET-FSTA-BLDG	PLN	6	CONT	급전소 건물	B0014111 B0014313	주택외건물 변전소
50		ET-FSTA-BOND	PLN	6	E-FENCE01	급전소 경계(휀스)	B0024125	철조망
51		ET-FSTA-EQPM	SYM	3	CONT	급전기기		
52		ET-FSTA-TEXT	T30	4	CONT	급전소 문자	H0049144	(주기)산업시설물
53		ET-FSTA-MISC	LIN	4	CONT	급전소 기타		
54	구분소/배전소	ET-DSTA	LIN	3	CONT	구분소 및 배전소		
55		ET-DSTA-BLDG	PLN	6	CONT	구분소/배전소 건물	B0014111 B0014313	주택외건물 변전소
56		ET-DSTA-BOND	PLN	6	E-FENCE01	구분소/배전소 경계(휀스)	B0024125	철조망
57		ET-DSTA-EQPM	SYM	3	CONT	배전기기		
58		ET-DSTA-TEXT	T30	4	CONT	구분소/배전소 문자	H0049144	(주기)산업시설물
59		ET-DSTA-MISC	LIN	4	CONT	구분소/배전소 기타		
60	전기설비	ET-INST	LIN	3	CONT	전기설비 공통		
61		ET-INST-TFMR	SYM	4	CONT	변압기		
62		ET-INST-BRAK	SYM	4	CONT	차단기		
63		ET-INST-DCON	SYM	4	CONT	단로기		
64		ET-INST-ARST	SYM	4	CONT	피뢰기		
65		ET-INST-ELTF	SYM	4	CONT	변성기		
66		ET-INST-CRTF	SYM	4	CONT	변류기		
67		ET-INST-HFLT	SYM	4	CONT	고조파필터기		
68		ET-INST-TEXT	T25	3	CONT	전기설비 문자		
69		ET-INST-MISC	LIN	3	CONT	전기설비 기타		
70	배분전반/접속	ET-CTRL	LIN	4	CONT	배분전반/접속 공통		
71		ET-CTRL-PANL	SYM	4	CONT	조작반/계기반/배분전반		
72		ET-CTRL-RELY	SYM	6	CONT	계전기		
73		ET-CTRL-WACH	SYM	4	CONT	원격감시제어반		
74		ET-CTRL-JUNT	SYM	4	CONT	풀박스/접속함 등		
75		ET-CTRL-TEXT	T25	3	CONT	제어반 문자		
76		ET-CTRL-MISC	SYM	3	CONT	기타 접속함/기구함		
77	접지	ET-GRND	LIN	6	CONT	접지 공통		
78		ET-GRND-CABL	PLN	4	CONT	접지배선		
79		ET-GRND-EQPM	SYM	3	CONT	접지설비		
80	접지	ET-GRND-TEXT	T25	3	CONT	접지문자		

ET : 전기설비분야(E)+송변전설비(T)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
81		ET-GRND-MISC	SYM	3	CONT	접지기타		
82	제원테이블	ET-TABL	LIN	3	CONT	제원테이블		
83		ET-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
84		ET-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
85		ET-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
86		ET-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
87	문자	ET-TEXT	T25	3	CONT	문자공통		
88	치수	ET-DIMS	LIN	1	CONT	치수공통		
89		ET-DIML	LIN	1	CONT	치수선		
90		ET-DIMT	T25	3	CONT	치수문자		
91	인출	ET-LEAD	LIN	1	CONT	인출공통		
92		ET-LEAL	LIN	1	CONT	인출선		
93		ET-LEAT	T25	3	CONT	인출문자		
94	심벌	ET-SYMB	SYM	3	CONT	심벌공통		
95	해칭	ET-PATT	PAT	1	CONT	해칭공통		
96	주석(註釋)	ET-NOTE	T25	3	CONT	주석(註釋)		
97	이음(MATCH)	ET-MACL	LIN	6	A-CENTR01	이음선		
98		ET-MACT	T40	6	CONT	이음문자		
99	중심선	ET-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
100	송변전설비 기타	ET-MISC	LIN	3	CONT	송변전설비 기타		

5.4 전차선(Catenary) : EN

EN : 전기설비분야(E)+전차선(N)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	전차선 공통	EN-XXXX	LIN	6	CONT	전차선 공통		
2	토목시설물	EN-STRU	PLN	7	CONT	토목시설물 공통		
3	전차선	EN-WTRL	PLN	6	CONT	전차선 공통		
4		EN-WTRL-MLIN	PLN	4	CONT	전차선		
5		EN-WTRL-MISC	LIN	3	CONT	전차선 기타		
6	급전선	EN-WFED	PLN	6	CONT	급전선 공통		
7		EN-WFED-MLIN	PLN	4	CONT	급전선		
8		EN-WFED-SLIN	PLN	6	CONT	부급전선		
9		EN-WFED-MISC	LIN	3	CONT	급전선 기타		
10	균압선	EN-WJMP	PLN	2	CONT	균압선		
11		EN-WJMP-MLIN	PLN	4	CONT	균압선		
12		EN-WJMP-MISC	LIN	3	CONT	균압선 기타		
13	조가선	EN-WMSG	PLN	2	CONT	조가선		
14		EN-WMSG-MLIN	PLN	4	CONT	조가선		
15		EN-WMSG-MISC	LIN	3	CONT	조가선 기타		
16	전철주	EN-POST	LIN	4	CONT	전철주 공통		
17		EN-POST-FRAM	LIN	6	CONT	전철주 구조(전주)	C0220205	보조지지주
18		EN-POST-BEAM	LIN	4	CONT	전철주 구조(빔)	C0220205	보조지지주
19		EN-POST-BRKT	SYM	6	CONT	전철주 브래키트		
20		EN-POST-HANG	SYM	6	CONT	전철주 하수강		
21		EN-POST-MISC	LIN	3	CONT	기타 전철주 지지물		
22	지선(전철주지지)	EN-SUPT	PLN	6	CONT	보호선/지선 공통		
23		EN-SUPT-LINE	PLN	6	CONT	지선		
24		EN-SUPT-COVE	PLN	4	A-ISONS06	비절연보호선(차폐선)		
25		EN-SUPT-PROT	PLN	6	A-ISONS05	섬락보호지선		
26		EN-SUPT-MISC	PLN	3	CONT	지선 기타		
27	전차선 장치	EN-EQPM	LIN	3	CONT	전차선 장치 공통		
28		EN-EQPM-DIVI	SYM	4	CONT	구분장치(동상섹숀)		
29		EN-EQPM-TENS	SYM	3	CONT	장력/인류장치		
30		EN-EQPM-VOLT	SYM	4	CONT	균압장치		
31		EN-EQPM-MIDA	SYM	3	CONT	흐름방지개소		
32		EN-EQPM-OVER	SYM	4	CONT	평행개소		
33		EN-EQPM-MISC	LIN	3	CONT	기타 전자선장치		
34	전기맨홀	EN-MANH	SYM	3	CONT	전기맨홀/핸드홀	C0246344	전기맨홀
35	가로등	EN-SLGH	SYM	4	CONT	가로등/노반조명		
36	전기통신구	EN-BLOK	LIN	4	CONT	전기통신구 공통		
37	핏트	EN-CPIT	PLN	4	CONT	배선핏트(PIT)		
38	트레이	EN-TRAY	PLN	4	CONT	트레이/트러프		
39	신호기	EN-SGNL	SYM	3	CONT	신호기 공통		
40	표지	EN-SIGN	SYM	6	CONT	표지 공통		

EN : 전기설비분야(E)+전차선(N)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41	전기설비	EN-INST	LIN	3	CONT	전기설비 공통		
42		EN-INST-TFMR	SYM	4	CONT	변압기		
43		EN-INST-BRAK	SYM	4	CONT	차단기		
44		EN-INST-DCON	SYM	4	CONT	단로기		
45		EN-INST-ARST	SYM	4	CONT	피뢰기		
46		EN-INST-ELTF	SYM	4	CONT	변성기		
47		EN-INST-CRTF	SYM	4	CONT	변류기		
48		EN-INST-HFLT	SYM	4	CONT	고조파필터기		
49		EN-INST-TEXT	T25	3	CONT	전기설비 문자		
50		EN-INST-MISC	LIN	3	CONT	전기설비 기타		
51	배분전반/접속	EN-CTRL	LIN	4	CONT	배분전반/접속 공통		
52		EN-CTRL-PANL	SYM	4	CONT	조작반/계기반/배분전반		
53		EN-CTRL-RELY	SYM	6	CONT	계전기		
54		EN-CTRL-WACH	SYM	4	CONT	원격감시제어반		
55		EN-CTRL-JUNT	SYM	4	CONT	풀박스/접속함 등		
56		EN-CTRL-TEXT	T25	3	CONT	제어반 문자		
57		EN-CTRL-MISC	SYM	3	CONT	기타 접속함/기구함		
58	접지	EN-GRND	LIN	6	CONT	접지 공통		
59		EN-GRND-CABL	PLN	4	CONT	접지배선		
60		EN-GRND-EQPM	SYM	3	CONT	접지설비		
61		EN-GRND-TEXT	T25	3	CONT	접지문자		
62		EN-GRND-MISC	SYM	3	CONT	접지기타		
63	제원테이블	EN-TABL	LIN	3	CONT	제원테이블		
64		EN-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
65		EN-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
66		EN-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
67		EN-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
68	문자	EN-TEXT	T25	2	CONT	문자공통		
69	치수	EN-DIMS	LIN	1	CONT	치수공통		
70		EN-DIML	LIN	1	CONT	치수선		
71		EN-DIMT	T25	3	CONT	치수문자		
72	인출	EN-LEAD	LIN	1	CONT	인출공통		
73		EN-LEAL	LIN	1	CONT	인출선		
74		EN-LEAT	T25	3	CONT	인출문자		
75	심벌	EN-SYMB	SYM	3	CONT	심벌공통		
76	해칭	EN-PATT	PAT	1	CONT	해칭공통		
77	주석(註釋)	EN-NOTE	T25	3	CONT	주석(註釋)		
78	이음(MATCH)	EN-MACL	LIN	6	A-CENTR01	이음선		
79		EN-MACT	T40	6	CONT	이음문자		
80	중심선	EN-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
81	전차선 기타	EN-MISC	LIN	3	CONT	전차선 기타		

5.5 신호설비(Signal) : EG

EG : 전기설비분야(E)+신호설비(G)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	신호설비 공통	EG-XXXX	LIN	3	CONT	신호설비 공통		
2	철주(탑)	EG-TOWR	SYM	6	CONT	전기철주(탑)		
3	전주	EG-POST	LIN	4	CONT	전주	C0236242	전력주
4	전기맨홀	EG-MANH	SYM	3	CONT	전기맨홀/핸드홀	C0246344	전기맨홀
5	가로등	EG-SLGH	SYM	4	CONT	가로등/노반조명		
6	신호전기배관배선	EG-LINE	PLN	7	CONT	신호전기배관배선 공통		
7		EG-LINE-OVER	PLN	7	CONT	전기배관배선(가공식)		
8		EG-LINE-CELG	PLN	6	CONT	전기배관배선(천정 매입)		
9		EG-LINE-HIDE	PLN	6	A-ISONS06	전기배관배선(천정 은폐)		
10		EG-LINE-FLOR	PLN	6	A-ISONS08	전기배관배선(바닥)		
11		EG-LINE-EXPO	PLN	6	A-DASHD01	전기배관배선(노출)		
12		EG-LINE-BURD	SYM	6	A-ISONS04	전기배관배선(직매식)		
13		EG-LINE-PROT	PLN	6	CONT	전기배관배선(보호식)		
14		EG-LINE-TEXT	T25	3	CONT	전기배관배선 문자		
15		EG-LINE-MISC	SYM	4	CONT	전기배관배선 기타		
16	핏트	EG-CPIT	PLN	4	CONT	배선핏트(PIT)		
17	트레이	EG-TRAY	PLN	4	CONT	트레이/트러프		
18	덕트배선	EG-DUCT	PLN	4	CONT	덕트		
19	스위치	EG-SWIT	SYM	4	CONT	스위치 공통		
20	콘센트	EG-CONT	SYM	3	CONT	콘센트 공통		
21	회로관련	EG-CURT	SYM	4	CONT	전기회로 공통		
22	열차신호장치	EG-RAIL	LIN	3	CONT	열차신호장치		
23		EG-RAIL-CABL	PLN	4	CONT	열차신호케이블		
24		EG-RAIL-SIGN	SYM	4	CONT	신호기 장치(입환,출발등)		
25		EG-RAIL-CURT	SYM	4	CONT	궤도회로장치(잠바,본드등)		
26		EG-RAIL-PONT	SYM	4	CONT	선로전환장치(전환,단동등)		
27		EG-RAIL-INLK	SYM	4	CONT	연동신호장치		
28		EG-RAIL-BLOK	SYM	3	CONT	폐색신호장치		
29		EG-RAIL-ATSS	SYM	3	CONT	열차자동정지장치(ATS)		
30		EG-RAIL-ATCS	SYM	3	CONT	열차자동제어장치(ATC)		
31		EG-RAIL-CTCS	SYM	3	CONT	열차집중제어장치(CTC)		
32		EG-RAIL-CROS	SYM	3	CONT	건널목신호장치		
33		EG-RAIL-TEXT	T25	3	CONT	열차신호장치 문자		
34		EG-RAIL-MISC	SYM	3	CONT	기타 신호보안설비		
35	건물신호장치	EG-BLDG	LIN	3	CONT	건물신호장치		
36		EG-BLDG-CABL	PLN	4	CONT	건물신호장치케이블		
37		EG-BLDG-BDGI	SYM	3	CONT	실내 일반신호장치		
38		EG-BLDG-BDGO	SYM	3	CONT	실외 일반신호장치		
39		EG-BLDG-TEXT	T25	3	CONT	건물신호장치 문자		
40	건물신호장치	EG-BLDG-MISC	SYM	3	CONT	기타 신호보안설비		

EG : 전기설비분야(E)+신호설비(G)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41	신호표지	EG-SIGN	SYM	6	CONT	신호표지 공통		
42	배분전반/접속	EG-CTRL	LIN	4	CONT	배분전반/접속 공통		
43		EG-CTRL-PANL	SYM	4	CONT	조작반/계기반/배분전반		
44		EG-CTRL-RELY	SYM	6	CONT	계전기		
45		EG-CTRL-WACH	SYM	4	CONT	원격감시제어반		
46		EG-CTRL-JUNT	SYM	4	CONT	풀박스/접속함 등		
47		EG-CTRL-TEXT	T25	3	CONT	제어반 문자		
48		EG-CTRL-MISC	SYM	3	CONT	기타 접속함/기구함		
49	접지	EG-GRND	LIN	6	CONT	접지 공통		
50		EG-GRND-CABL	PLN	4	CONT	접지배선		
51		EG-GRND-EQPM	SYM	3	CONT	접지설비		
52		EG-GRND-TEXT	T25	3	CONT	접지문자		
53		EG-GRND-MISC	SYM	3	CONT	접지기타		
54	제원테이블	EG-TABL	LIN	3	CONT	제원테이블		
55		EG-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
56		EG-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
57		EG-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
58		EG-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
59	문자	EG-TEXT	T25	2	CONT	문자공통		
60	치수	EG-DIMS	LIN	1	CONT	치수공통		
61		EG-DIML	LIN	1	CONT	치수선		
62		EG-DIMT	T25	3	CONT	치수문자		
63	인출	EG-LEAD	LIN	1	CONT	인출공통		
64		EG-LEAL	LIN	1	CONT	인출선		
65		EG-LEAT	T25	3	CONT	인출문자		
66	심벌	EG-SYMB	SYM	3	CONT	심벌공통		
67	해칭	EG-PATT	PAT	1	CONT	해칭공통		
68	주석(註釋)	EG-NOTE	T25	3	CONT	주석(註釋)		
69	이음(MATCH)	EG-MACL	LIN	6	A-CENTR01	이음선		
70		EG-MACT	T40	6	CONT	이음문자		
71	중심선	EG-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
72	신호설비 기타	EG-MISC	LIN	3	CONT	기타 신호설비		

5.6 원격 및 자동제어(Remote & Automatic Control) : EO

EO : 전기설비분야(E)+원격및자동제어(O)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	제어설비 공통	EO-XXXX	LIN	3	CONT	제어설비 공통		
2	제어배관배선	EO-LINE	PLN	7	CONT	제어배관배선 공통		
3		EO-LINE-OVER	PLN	7	CONT	제어배관배선(가공식)		
4		EO-LINE-CELG	PLN	6	CONT	제어배관배선(천정 매입)		
5		EO-LINE-HIDE	PLN	6	A-ISONS06	제어배관배선(천정 은폐)		
6		EO-LINE-FLOR	PLN	6	A-ISONS08	제어배관배선(바닥)		
7		EO-LINE-EXPO	PLN	6	A-DASHD01	제어배관배선(노출)		
8		EO-LINE-BURD	SYM	6	A-ISONS04	제어배관배선(직매식)		
9		EO-LINE-PROT	PLN	6	CONT	제어배관배선(보호식)		
10		EO-LINE-TEXT	T25	3	CONT	제어배관배선 문자		
11		EO-LINE-MISC	SYM	4	CONT	제어배관배선 기타		
12	철도제어장치	EO-RAIL	LIN	3	CONT	철도관련 제어장치		
13		EO-RAIL-CABL	PLN	4	CONT	철도제어케이블		
14		EO-RAIL-SLID	LIN	3	CONT	안전슬라이딩도어		
15		EO-RAIL-SCAD	LIN	4	CONT	전력원격제어장치(SCADA)		
16		EO-RAIL-INLK	LIN	4	CONT	연동장치(연동,계전기등)		
17		EO-RAIL-BLOK	SYM	3	CONT	폐색제어장치		
18		EO-RAIL-ATSS	SYM	3	CONT	열차자동정지제어장치(ATS)		
19		EO-RAIL-ATCS	SYM	3	CONT	열차자동제어장치(ATC)		
20		EO-RAIL-CTCS	SYM	3	CONT	열차집중제어장치(CTC)		
21		EO-RAIL-CROS	LIN	3	CONT	건널목제어장치(경보기 등)		
22		EO-RAIL-TEXT	T25	3	CONT	철도제어문자		
23		EO-RAIL-MISC	LIN	3	CONT	기타 철도제어설비		
24	자동화건물제어장치	EO-BLDG	LIN	3	CONT	자동화건물제어장치(IBS)		
25		EO-BLDG-CABL	PLN	4	CONT	건물제어케이블		
26		EO-BLDG-CNTL	LIN	4	CONT	건물중앙감시제어장치		
27		EO-BLDG-TEXT	T25	3	CONT	건물제어문자		
28		EO-BLDG-MISC	LIN	3	CONT	기타 건물제어설비		
29	전기제어장치	EO-ELEC	LIN	3	CONT	전기 제어장치		
30		EO-ELEC-CABL	PLN	4	CONT	전기제어케이블		
31		EO-ELEC-ELEC	LIN	4	CONT	전기제어장치		
32		EO-ELEC-LIGH	LIN	3	CONT	조명제어장치		
33		EO-ELEC-TEXT	T25	3	CONT	전기제어문자		
34		EO-ELEC-MISC	LIN	3	CONT	기타 전기제어설비		
35	기계제어장치	EO-MECH	LIN	3	CONT	기계 제어장치		
36		EO-MECH-CABL	PLN	4	CONT	기계제어케이블		
37		EO-MECH-POWR	LIN	4	CONT	전동기계제어장치		
38		EO-MECH-ELEV	LIN	4	CONT	승강기제어장치		
39		EO-MECH-TEXT	T25	3	CONT	기계제어문자		
40		EO-MECH-MISC	LIN	3	CONT	기타 기계제어설비		

EO : 전기설비분야(E)+원격및자동제어(O)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41	소방방재제어장치	EO-FIRE	LIN	3	CONT	소방방재 제어장치		
42		EO-FIRE-CABL	PLN	4	CONT	소방방재제어케이블		
43		EO-FIRE-FIRE	LIN	4	CONT	화재감시제어장치		
44		EO-FIRE-TEXT	T25	3	CONT	소방방재제어문자		
45		EO-FIRE-MISC	LIN	3	CONT	기타 소방방재제어설비		
46	전기통신구	EO-BLOK	LIN	4	CONT	전기통신구 공통		
47	핏트	EO-CPIT	PLN	4	CONT	배선핏트(PIT)		
48	트레이	EO-TRAY	PLN	4	CONT	트레이/트러프		
49	덕트	EO-DUCT	PLN	4	CONT	덕트		
50	스위치	EO-SWIT	SYM	4	CONT	스위치 공통		
51	콘센트	EO-CONT	SYM	3	CONT	콘센트 공통		
52	회로관련	EO-CURT	SYM	4	CONT	전기회로 공통		
53	배분전반/접속	EO-CTRL	LIN	4	CONT	배분전반/접속 공통		
54		EO-CTRL-PANL	SYM	4	CONT	조작반/계기반/배분전반		
55		EO-CTRL-RELY	SYM	6	CONT	계전기		
56		EO-CTRL-WACH	SYM	4	CONT	원격감시제어반		
57		EO-CTRL-JUNT	SYM	4	CONT	풀박스/접속함 등		
58		EO-CTRL-TEXT	T25	3	CONT	제어반 문자		
59		EO-CTRL-MISC	SYM	3	CONT	기타 접속함/기구함		
60	접지	EO-GRND	LIN	6	CONT	접지 공통		
61		EO-GRND-CABL	PLN	4	CONT	접지배선		
62		EO-GRND-EQPM	SYM	3	CONT	접지설비		
63		EO-GRND-TEXT	T25	3	CONT	접지문자		
64		EO-GRND-MISC	SYM	3	CONT	접지기타		
65	제원테이블	EO-TABL	LIN	3	CONT	제원테이블		
66		EO-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
67		EO-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
68		EO-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
69		EO-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
70	문자	EO-TEXT	T25	2	CONT	문자공통		
71	치수	EO-DIMS	LIN	1	CONT	치수공통		
72		EO-DIML	LIN	1	CONT	치수선		
73		EO-DIMT	T25	3	CONT	치수문자		
74	인출	EO-LEAD	LIN	1	CONT	인출공통		
75		EO-LEAL	LIN	1	CONT	인출선		
76		EO-LEAT	T25	3	CONT	인출문자		
77	심벌	EO-SYMB	SYM	3	CONT	심벌공통		
78	해칭	EO-PATT	PAT	1	CONT	해칭공통		
79	주석(註釋)	EO-NOTE	T25	3	CONT	주석(註釋)		
80	이음(MATCH)	EO-MACL	LIN	6	A-CENTR01	이음선		
81		EO-MACT	T40	6	CONT	이음문자		
82	중심선	EO-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
83	제어설비 기타	EO-MISC	LIN	3	CONT	기타 제어설비		

6. 통신설비분야 레이어 목록

6.1 통신설비(Telecommunication Equipment) : TT

TT : 통신설비분야(T)+통신설비(T)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	통신설비 공통	TT-XXXX	LIN	3	CONT	통신설비 공통		
2	통신관로/배선	TT-LINE	PLN	7	CONT	통신 배관배선 공통		
3		TT-LINE-OVER	PLN	7	CONT	통신전선로(가공식)	C0246136	(수송관-지하)통신선
4		TT-LINE-BURD	SYM	4	CONT	통신전선로(직매식)	C0246136	(수송관-지하)통신선
5		TT-LINE-PROT	PLN	6	CONT	통신배관배선(보호식)		
6		TT-LINE-CELG	PLN	6	CONT	통신 배관배선(천정매입)		
7		TT-LINE-HIDE	PLN	6	A-ISONS06	통신배관배선(천정은폐)		
8		TT-LINE-FLOR	PLN	6	A-ISONS08	통신 배관배선(바닥)		
9		TT-LINE-EXPO	PLN	6	A-DASHD01	통신배관배선(노출)		
10		TT-LINE-TEXT	T25	4	CONT	통신 배관배선 문자		
11		TT-LINE-MISC	SYM	4	CONT	통신 배관배선 기타		
12	통신구(전통구)	TT-BLOK	LIN	4	CONT	통신구(전기통신구)		
13	트레이	TT-TRAY	PLN	4	CONT	트레이/트러프 등		
14	덕트	TT-DUCT	PLN	4	CONT	덕트		
15	회로관련	TT-CURT	SYM	4	CONT	통신회로 공통		
16	통신맨홀	TT-MANH	SYM	4	CONT	통신맨홀/핸드홀	C0246347	통신맨홀
17	핏트	TT-CPIT	PLN	4	CONT	통신선로 핏트(PIT)		
18	통신주	TT-POST	SYM	4	CONT	통신주	C0236241	전화주
19	유선통신망	TT-WIRE	LIN	3	CONT	유선통신망 공통		
20		TT-WIRE-TELE	PLN	7	CONT	전화케이블		
21		TT-WIRE-DATA	PLN	6	CONT	데이터케이블		
22		TT-WIRE-LANN	PLN	7	CONT	정보통신망(LAN)		
23		TT-WIRE-WANN	PLN	7	CONT	광역통신망(WAN)		
24		TT-WIRE-NTWK	SYM	6	CONT	네트워크설비		
25		TT-WIRE-TALK	SYM	6	CONT	토크백장치		
26		TT-WIRE-EQPM	SYM	6	CONT	유선통신장비		
27		TT-WIRE-TEXT	T25	3	CONT	유선통신망 문자		
28		TT-WIRE-MISC	LIN	4	CONT	기타 유선통신망		
29	무선통신망	TT-WAVE	LIN	3	CONT	무선통신망 공통		
30		TT-WAVE-REPT	SYM	4	CONT	무선중계설비		
31		TT-WAVE-MOBL	SYM	4	CONT	이동통신설비		
32		TT-WAVE-RADO	SYM	4	CONT	무선통신설비		
33		TT-WAVE-TRBL	SYM	4	CONT	통신장애방지설비		
34		TT-WAVE-TEXT	T25	3	CONT	무선통신망 문자		
35		TT-WAVE-MISC	LIN	3	CONT	기타 무선통신망		
36	제어반/접속함	TT-CTRL	LIN	4	CONT	제어반/접속함 공통		
37		TT-CTRL-CABL	PLN	7	CONT	제어케이블		
38		TT-CTRL-PANL	SYM	6	CONT	조작반		
39		TT-CTRL-WACH	SYM	6	CONT	원격감시제어반		
40	제어반/접속함	TT-CTRL-RELY	SYM	6	CONT	계전기		

TT : 통신설비분야(T)+통신설비(T)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41		TT-CTRL-JUNT	SYM	4	CONT	접속함/기구함		
42		TT-CTRL-TEXT	T25	3	CONT	제어반 문자		
43		TT-CTRL-MISC	LIN	3	CONT	제어반 기타		
44	접지	TT-GRND	LIN	4	CONT	접지		
45		TT-GRND-CABL	PLN	6	CONT	접지배선		
46		TT-GRND-EQPM	SYM	3	CONT	접지설비		
47		TT-GRND-TEXT	T25	3	CONT	접지문자		
48		TT-GRND-MISC	SYM	3	CONT	접지기타		
49	제원테이블	TT-TABL	LIN	3	CONT	제원테이블		
50		TT-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
51		TT-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
52		TT-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
53		TT-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
54	문자	TT-TEXT	T25	3	CONT	문자공통		
55	치수	TT-DIMS	LIN	1	CONT	치수공통		
56		TT-DIML	LIN	1	CONT	치수선		
57		TT-DIMT	T25	3	CONT	치수문자		
58	인출	TT-LEAD	LIN	1	CONT	인출공통		
59		TT-LEAL	LIN	1	CONT	인출선		
60		TT-LEAT	T25	3	CONT	인출문자		
61	심벌	TT-SYMB	SYM	3	CONT	심벌공통		
62	해칭	TT-PATT	PAT	1	CONT	해칭공통		
63	주석(註釋)	TT-NOTE	T25	3	CONT	주석(註釋)		
64	이음(MATCH)	TT-MACL	LIN	6	A-CENTR01	이음선		
65		TT-MACT	T40	6	CONT	이음문자		
66	중심선	TT-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
67	통신설비 기타	TT-MISC	LIN	3	CONT	통신설비 기타		

6.2 통신선로(Telecommunication Line) : TN

TN : 통신설비분야(T)+통신선로(N)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	통신선로 공통	TN-XXXX	LIN	3	CONT	통신선로 공통		
2	통신배관배선	TN-LINE	PLN	7	CONT	통신배관배선 공통		
3		TN-LINE-OVER	PLN	7	CONT	통신배관배선(가공식)	C0246136	(수송관-지하)통신선
4		TN-LINE-CELG	PLN	6	CONT	통신배관배선(천정 매입)		
5		TN-LINE-HIDE	PLN	6	A-ISONS06	통신배관배선(천정 은폐)		
6		TN-LINE-FLOR	PLN	6	A-ISONS08	통신배관배선(바닥)		
7		TN-LINE-EXPO	PLN	6	A-DASHD01	통신배관배선(노출)		
8		TN-LINE-BURD	SYM	6	A-ISONS04	통신배관배선(직매식)	C0246136	(수송관-지하)통신선
9		TN-LINE-PROT	PLN	6	CONT	통신배관배선(보호식)		
10		TN-LINE-TEXT	T25	3	CONT	통신배관배선 문자		
11		TN-LINE-MISC	SYM	4	CONT	통신배관배선 기타		
12	통신케이블	TN-CABL	PLN	4	A-ISONS05	통신케이블 공통		
13		TN-CABL-LINE	PLN	7	A-ISONS06	통신케이블	C0246136	(수송관-지하)통신선
14		TN-CABL-OPTL	PLN	7	A-ISONS07	광통신 케이블	C0246136	(수송관-지하)통신선
15		TN-CABL-TEXT	T25	4	CONT	통신케이블 문자		
16		TN-CABL-MISC	PLN	7	CONT	통신 케이블 기타		
17	통신구	TN-BLOK	LIN	4	CONT	통신구(전기통신구)		
18	핏트	TN-CPIT	PLN	4	CONT	통신선로 핏트(PIT)		
19	통신철탑	TN-TOWR	SYM	6	CONT	통신철탑		
20	통신주	TN-POST	SYM	4	CONT	통신주	C0236241	전화주
21	통신맨홀	TN-MANH	SYM	4	CONT	통신맨홀/핸드홀	C0246347	통신맨홀
22	트레이	TN-TRAY	PLN	4	CONT	트레이/트러프		
23	회로관련	TN-CURT	SYM	4	CONT	통신회로 공통		
24	제어반/접속함	TN-CTRL	LIN	4	CONT	제어반/접속함 공통		
25		TN-CTRL-CABL	PLN	7	CONT	제어케이블		
26		TN-CTRL-PANL	SYM	6	CONT	조작반		
27		TN-CTRL-WACH	SYM	6	CONT	원격감시제어반		
28		TN-CTRL-RELY	SYM	6	CONT	계전기		
29		TN-CTRL-JUNT	SYM	4	CONT	접속함/기구함		
30		TN-CTRL-TEXT	T25	3	CONT	제어반 문자		
31		TN-CTRL-MISC	LIN	3	CONT	제어반 기타		
32	접지	TN-GRND	LIN	4	CONT	접지		
33		TN-GRND-CABL	PLN	6	CONT	접지배선		
34		TN-GRND-EQPM	SYM	3	CONT	접지설비		
35		TN-GRND-TEXT	T25	3	CONT	접지문자		
36		TN-GRND-MISC	SYM	3	CONT	접지기타		
37	제원테이블	TN-TABL	LIN	3	CONT	제원테이블		
38		TN-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
39		TN-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
40	제원테이블	TN-TABL-TEX1	T40	6	CONT	제원테이블제목문자		

TN : 통신설비분야(T)+통신선로(N)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41		TN-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
42	문자	TN-TEXT	T25	3	CONT	문자공통		
43	치수	TN-DIMS	LIN	1	CONT	치수공통		
44		TN-DIML	LIN	1	CONT	치수선		
45		TN-DIMT	T25	3	CONT	치수문자		
46	인출	TN-LEAD	LIN	1	CONT	인출공통		
47		TN-LEAL	LIN	1	CONT	인출선		
48		TN-LEAT	T25	3	CONT	인출문자		
49	심벌	TN-SYMB	SYM	3	CONT	심벌공통		
50	해칭	TN-PATT	PAT	1	CONT	해칭공통		
51	주석(註釋)	TN-NOTE	T25	3	CONT	주석(註釋)		
52	이음(MATCH)	TN-MACL	LIN	6	A-CENTR01	이음선		
53		TN-MACT	T40	6	CONT	이음문자		
54	중심선	TN-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
55	통신선로 기타	TN-MISC	LIN	3	CONT	통신선로 기타		

6.3 정보화 및 자동화설비(Information & Automation Equipment) : TI

TI : 통신설비분야(T)+정보화및자동화설비(I)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	통신설비 공통	TI-XXXX	LIN	3	CONT	통신설비 공통		
2	정보표시설비	TI-DISP	LIN	3	CONT	정보표시설비 공통		
3		TI-DISP-CABL	PLN	4	CONT	정보표시 케이블		
4		TI-DISP-EQPM	SYM	4	CONT	표시장치		
5		TI-DISP-SOND	SYM	4	CONT	확성설비		
6		TI-DISP-WACH	SYM	4	CONT	시계/시보설비		
7		TI-DISP-TEXT	T25	3	CONT	정보표시 문자		
8		TI-DISP-MISC	LIN	4	CONT	정보표시설비 등		
9	건물자동화설비	TI-BLDG	LIN	3	CONT	건물자동화설비 공통		
10		TI-BLDG-CABL	PLN	7	CONT	건물자동화설비 케이블		
11		TI-BLDG-CTRL	SYM	6	CONT	건물자동화 통제설비		
12		TI-BLDG-GUID	SYM	4	CONT	건물자동화 안내설비		
13		TI-BLDG-TEXT	T25	3	CONT	건물자동화설비 문자		
14		TI-BLDG-MISC	LIN	4	CONT	기타 건물자동화 설비		
15	역무자동화설비	TI-RAIL	LIN	3	CONT	역무자동화설비 공통		
16		TI-RAIL-CABL	PLN	7	CONT	자동화설비 케이블		
17		TI-RAIL-CTRL	SYM	6	CONT	사령실 통제설비		
18		TI-RAIL-GUID	SYM	4	CONT	역무 안내설비		
19		TI-RAIL-TICK	SYM	6	CONT	역무 티켓팅설비		
20		TI-RAIL-TEXT	T25	3	CONT	역무자동화설비 문자		
21		TI-RAIL-MISC	LIN	4	CONT	기타 역무자동화 설비		
22	검침자동화설비	TI-CHEK	LIN	3	CONT	검침자동화설비 공통		
23	기타자동화설비	TI-OTHR	LIN	3	CONT	기타자동화설비 공통		
24	트레이	TI-TRAY	PLN	4	CONT	트레이/트러프		
25	덕트	TI-DUCT	PLN	4	CONT	덕트		
26	회로관련	TI-CURT	SYM	4	CONT	정보통신회로 공통		
27	제어반/접속함	TI-CTRL	LIN	4	CONT	제어반/접속함 공통		
28		TI-CTRL-CABL	PLN	7	CONT	제어케이블		
29		TI-CTRL-PANL	SYM	6	CONT	조작반		
30		TI-CTRL-WACH	SYM	6	CONT	원격감시제어반		
31		TI-CTRL-RELY	SYM	6	CONT	계전기		
32		TI-CTRL-JUNT	SYM	4	CONT	접속함/기구함		
33		TI-CTRL-TEXT	T25	3	CONT	제어반 문자		
34		TI-CTRL-MISC	LIN	3	CONT	제어반 기타		
35	접지	TI-GRND	LIN	4	CONT	접지		
36		TI-GRND-CABL	PLN	6	CONT	접지배선		
37		TI-GRND-EQPM	SYM	3	CONT	접지설비		
38		TI-GRND-TEXT	T25	3	CONT	접지문자		
39		TI-GRND-MISC	SYM	3	CONT	접지기타		
40	제원테이블	TI-TABL	LIN	3	CONT	제원테이블		

TI : 통신설비분야(T)+정보화및자동화설비(I)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41		TI-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
42		TI-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
43		TI-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
44		TI-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
45	문자	TI-TEXT	T25	3	CONT	문자공통		
46	치수	TI-DIMS	LIN	1	CONT	치수공통		
47		TI-DIML	LIN	1	CONT	치수선		
48		TI-DIMT	T25	3	CONT	치수문자		
49	인출	TI-LEAD	LIN	1	CONT	인출공통		
50		TI-LEAL	LIN	1	CONT	인출선		
51		TI-LEAT	T25	3	CONT	인출문자		
52	심벌	TI-SYMB	SYM	3	CONT	심벌공통		
53	해칭	TI-PATT	PAT	1	CONT	해칭공통		
54	주석(註釋)	TI-NOTE	T25	3	CONT	주석(註釋)		
55	이음(MATCH)	TI-MACL	LIN	6	A-CENTR01	이음선		
56		TI-MACT	T40	6	CONT	이음문자		
57	중심선	TI-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
58	통신설비 기타	TI-MISC	LIN	3	CONT	통신설비 기타		

6.4 방송 및 수신(Broadcasting & Reception Equipment) : TB

TB : 통신설비분야(T)+방송및수신설비(B)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	통신설비 공통	TB-XXXX	LIN	3	CONT	통신설비 공통		
2	방송수신설비	TB-TELV	LIN	4	CONT	방송수신설비 공통		
3		TB-TELV-CABL	PLN	7	CONT	방송수신케이블		
4		TB-TELV-RADO	SYM	4	CONT	라디오 공청설비		
5		TB-TELV-PBTV	SYM	4	CONT	TV 공청설비		
6		TB-TELV-WIRE	SYM	4	CONT	유선방송설비		
7		TB-TELV-SATL	SYM	4	CONT	위성방송설비		
8		TB-TELV-TEXT	T25	3	CONT	방송수신설비 문자		
9		TB-TELV-MISC	SYM	3	CONT	기타 방송수신설비		
10	방송관련설비	TB-BOAD	LIN	4	CONT	방송관련설비 공통		
11		TB-BOAD-CABL	PLN	7	CONT	방송관련케이블		
12		TB-BOAD-RADO	SYM	4	CONT	방송설비		
13		TB-BOAD-PBTV	SYM	4	CONT	DMB 방송설비		
14		TB-BOAD-CATV	SYM	4	CONT	유선TV방송설비(CATV)		
15		TB-BOAD-SATL	SYM	4	CONT	위성방송설비		
16		TB-BORD-TEXT	T25	3	CONT	방송수신설비 문자		
17		TB-BOAD-MISC	SYM	3	CONT	기타 방송관련설비		
18	트레이	TB-TRAY	PLN	4	CONT	트레이/트러프		
19	덕트	TB-DUCT	PLN	4	CONT	덕트		
20	회로관련	TB-CURT	SYM	4	CONT	통신회로 공통		
21	제어반/접속함	TB-CTRL	LIN	4	CONT	제어반/접속함 공통		
22		TB-CTRL-CABL	PLN	7	CONT	제어케이블		
23		TB-CTRL-PANL	SYM	6	CONT	조작반		
24		TB-CTRL-WACH	SYM	6	CONT	원격감시제어반		
25		TB-CTRL-RELY	SYM	6	CONT	계전기		
26		TB-CTRL-JUNT	SYM	4	CONT	접속함/기구함		
27		TB-CTRL-TEXT	T25	3	CONT	제어반 문자		
28		TB-CTRL-MISC	LIN	3	CONT	제어반 기타		
29	접지	TB-GRND	LIN	4	CONT	접지		
30		TB-GRND-CABL	PLN	6	CONT	접지배선		
31		TB-GRND-EQPM	SYM	3	CONT	접지설비		
32		TB-GRND-TEXT	T25	3	CONT	접지문자		
33		TB-GRND-MISC	SYM	3	CONT	접지기타		
34	제원테이블	TB-TABL	LIN	3	CONT	제원테이블		
35		TB-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
36		TB-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
37		TB-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
38		TB-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
39	문자	TB-TEXT	T25	3	CONT	문자공통		
40	치수	TB-DIMS	LIN	1	CONT	치수공통		

TB : 통신설비분야(T)+방송및수신설비(B)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41		TB-DIML	LIN	1	CONT	치수선		
42		TB-DIMT	T25	3	CONT	치수문자		
43	인출	TB-LEAD	LIN	1	CONT	인출공통		
44		TB-LEAL	LIN	1	CONT	인출선		
45		TB-LEAT	T25	3	CONT	인출문자		
46	심벌	TB-SYMB	SYM	3	CONT	심벌공통		
47	해칭	TB-PATT	PAT	1	CONT	해칭공통		
48	주석(註釋)	TB-NOTE	T25	3	CONT	주석(註釋)		
49	이음(MATCH)	TB-MACL	LIN	6	A-CENTR01	이음선		
50		TB-MACT	T40	6	CONT	이음문자		
51	중심선	TB-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
52	통신설비 기타	TB-MISC	LIN	3	CONT	통신설비 기타		

6.5 방재 및 보안(Disaster Prevention & Security Equipment) : TD

TD : 통신설비분야(T)+방재및보안(D)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
1	통신설비 공통	TD-XXXX	LIN	3	CONT	통신설비 공통		
2	보안설비	TD-SCRT	LIN	3	CONT	보안설비 공통		
3		TD-SCRT-CABL	PLN	6	CONT	보안설비 케이블		
4		TD-SCRT-CCTV	SYM	4	CONT	CCTV(감시카메라)		
5		TD-SCRT-GURD	SYM	4	CONT	방범설비		
6		TD-SCRT-TEXT	T25	3	CONT	보안설비 문자		
7		TD-SCRT-MISC	LIN	4	CONT	기타 보안설비		
8	열차방호설비	TD-DPRV	LIN	3	CONT	열차방호설비 공통		
9		TD-DPRV-CABL	PLN	6	CONT	열차방호설비 케이블		
10		TD-DPRV-EQPM	SYM	4	CONT	열차방호설비		
11		TD-DPRV-TEXT	T25	3	CONT	방호설비 문자		
12		TD-DPRV-MISC	LIN	4	CONT	기타 방호설비		
13	핏트	TD-CPIT	PLN	4	CONT	통신선로 핏트(PIT)		
14	트레이	TD-TRAY	PLN	4	CONT	트레이/트러프		
15	덕트	TD-DUCT	PLN	4	CONT	덕트		
16	제어반/접속함	TD-CTRL	LIN	4	CONT	제어반/접속함 공통		
17		TD-CTRL-CABL	PLN	7	CONT	제어케이블		
18		TD-CTRL-PANL	SYM	6	CONT	조작반		
19		TD-CTRL-WACH	SYM	6	CONT	원격감시제어반		
20		TD-CTRL-RELY	SYM	6	CONT	계전기		
21		TD-CTRL-JUNT	SYM	4	CONT	접속함/기구함		
22		TD-CTRL-TEXT	T25	3	CONT	제어반 문자		
23		TD-CTRL-MISC	LIN	3	CONT	제어반 기타		
24	접지	TD-GRND	LIN	4	CONT	접지		
25		TD-GRND-CABL	PLN	6	CONT	접지배선		
26		TD-GRND-EQPM	SYM	3	CONT	접지설비		
27		TD-GRND-TEXT	T25	3	CONT	접지문자		
28		TD-GRND-MISC	SYM	3	CONT	접지기타		
29	제원테이블	TD-TABL	LIN	3	CONT	제원테이블		
30		TD-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
31		TD-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
32		TD-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
33		TD-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
34	문자	TD-TEXT	T25	3	CONT	문자공통		
35	치수	TD-DIMS	LIN	1	CONT	치수공통		
36		TD-DIML	LIN	1	CONT	치수선		
37		TD-DIMT	T25	3	CONT	치수문자		
38	인출	TD-LEAD	LIN	1	CONT	인출공통		
39		TD-LEAL	LIN	1	CONT	인출선		
40	인출	TD-LEAT	T25	3	CONT	인출문자		

TD : 통신설비분야(T)+방재및보안(D)

번호	공통분류	레이어코드	요소	색상	선	내용	NGIS	비고
41	심벌	TD-SYMB	SYM	3	CONT	심벌공통		
42	해칭	TD-PATT	PAT	1	CONT	해칭공통		
43	주석(註釋)	TD-NOTE	T25	3	CONT	주석(註釋)		
44	이음(MATCH)	TD-MACL	LIN	6	A-CENTR01	이음선		
45		TD-MACT	T40	6	CONT	이음문자		
46	중심선	TD-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
47	통신설비 기타	TD-MISC	LIN	3	CONT	통신설비 기타		

7. 조경분야 레이어 목록

7.1 조경계획(Landscaping Planning) : LP

LP : 조경분야(L)+조경계획(P)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
1	조경계획 공통	LP-XXXX	LIN	3	CONT	조경시설 공통		
2	조경계획	LP-SITE	LIN	4	CONT	조경계획(부지) 공통		
3		LP-SITE-BOND	PGN	7	A-CENTR01H	조경구역 경계선	D0015220	(조경)미분류
4		LP-SITE-AREA	PLN	6	CONT	녹지 구적선		
5		LP-SITE-BLDG	PGN	6	CONT	건물경계	B0014110 B0014111 B0014112 B0014113 B0014114 B0014115 B0014119	(건물경계)미분류 주택외건물 주택 연립주택 공사중건물 아파트 집단가옥경계
6		LP-SITE-ROAD	PLN	4	CONT	도로경계	A0013118 A0023119	부지안도로 소로
7		LP-SITE-WALK	PLN	4	CONT	보도경계	A0033324	인도
8		LP-SITE-PAVE	PGN	4	CONT	포장경계	A0013118	부지안도로
9		LP-SITE-FENC	PLN	4	E-FENCE01	휀스	C0536119	가드펜스
10		LP-SITE-DRAN	LIN	6	CONT	우수/배수계획	C0246132 C0246345	(수송관-지하)하수도 하수맨홀
11		LP-SITE-SANI	LIN	6	CONT	오수/하수계획	C0246132 C0246345	(수송관-지하)하수도 하수맨홀
12		LP-SITE-TEXT	T25	3	CONT	조경계획 문자		
13		LP-SITE-PATT	PAT	1	CONT	조경계획 해칭		
14		LP-SITE-MISC	LIN	3	CONT	조경계획 기타		
15	식재	LP-PLNT	LIN	3	CONT	식재 공통		
16		LP-PLNT-CARE	LIN	3	CONT	식재보호시설		
17		LP-PLNT-GTRE	SYM	4	CONT	교목상록수	D0015223	정원수
18		LP-PLNT-DTRE	SYM	4	CONT	교목낙엽수	D0015223	정원수
19		LP-PLNT-GSHB	SYM	3	CONT	관목상록수	D0015223	정원수
20		LP-PLNT-DSHB	SYM	3	CONT	관목낙엽수	D0015223	정원수
21		LP-PLNT-SEED	PGN	2	CONT	잔디류	D0015220 D0015221	(조경)미분류 잔디
22		LP-PLNT-FLWR	PGN	3	CONT	초화/지피류 등	D0015220	(조경)미분류
23		LP-PLNT-TEXT	T25	3	CONT	식재 문자		
24		LP-PLNT-PATT	PAT	1	CONT	식재 해칭		
25		LP-PLNT-MISC	LIN	3	CONT	식재 기타		
26	조경시설	LP-FACL	LIN	4	CONT	조경시설 공통		
27		LP-FACL-IRRG	LIN	6	CONT	관수시설	C0246131	(수송관-지하)상수도
28		LP-FACL-SPOT	LIN	7	CONT	운동/놀이시설	C0380100 C0385322	놀이시설 테니스장
28	조경시설	LP-FACL-SPOT	LIN	7	CONT	운동/놀이시설	C0385323	운동장

LP : 조경분야(L)+조경계획(P)

번호	공통분류	레이어코드	요소	색상	선	내 용	NGIS	비고
							C0385324	어린이놀이터
29		LP-FACL-BNFT	LIN	4	CONT	편익시설		
30		LP-FACL-REST	LIN	4	CONT	휴게시설		
31		LP-FACL-GUID	LIN	3	CONT	안내시설		
32		LP-FACL-TEXT	T25	3	CONT	조경시설 문자		
33		LP-FACL-PATT	PAT	1	CONT	조경시설 해칭		
34		LP-FACL-MISC	LIN	3	CONT	조경시설 기타		
35	제원테이블	LP-TABL	LIN	3	CONT	제원테이블		
36		LP-TABL-LIN1	LIN	4	CONT	제원테이블 굵은선		
37		LP-TABL-LIN2	LIN	1	CONT	제원테이블 가는선		
38		LP-TABL-TEX1	T40	6	CONT	제원테이블제목문자		
39		LP-TABL-TEX2	T25	3	CONT	제원테이블내용문자		
40	문자	LP-TEXT	T25	3	CONT	문자공통		
41	치수	LP-DIMS	LIN	1	CONT	치수공통		
42		LP-DIML	LIN	1	CONT	치수선		
43		LP-DIMT	T25	3	CONT	치수문자		
44	인출	LP-LEAD	LIN	1	CONT	인출공통		
45		LP-LEAL	LIN	1	CONT	인출선		
46		LP-LEAT	T25	3	CONT	인출문자		
47	심벌	LP-SYMB	SYM	3	CONT	심벌공통		
48	해칭	LP-PATT	PAT	1	CONT	해칭공통		
49	주석(註釋)	LP-NOTE	T25	3	CONT	주석(註釋)		
50	이음(MATCH)	LP-MACL	LIN	6	A-CENTR01	이음선		
51		LP-MACT	T40	6	CONT	이음문자		
52	중심선	LP-CNTL	LIN	1	A-CENTR01	중심선(일점쇄선)		
53	조경시설기타	LP-MISC	PLN	3	CONT	조경시설 기타		

건설CALS/EC 전자도면 작성표준 V2.0

[부속서 3]

심벌 목록

KICT 한국건설기술연구원

[부속서 3] 심벌 목록

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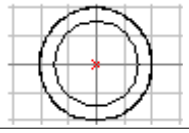
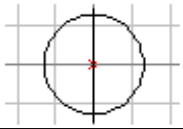
0. 심벌 목록 범례

가. 심벌 및 목록의 구조는 다음과 같다.

① CA : 토목분야(C)+기하구조(A)

번호	공통분류 ②	심벌코드 ③	입력레이어 ④	유형 ⑤	심벌형상 ⑥	내 용	NGIS ⑦	비고
1	선형심벌	CAIPMRK	CA-ALGN-IPSM	SCALE		IP교차점		
2		CASTAMM	CA-ALGN-STSM	SCALE		주 측점		
3		CASTAMS	CA-ALGN-STSM	SCALE		보조측점		

① 해당 목록의 이름 (대분류와 중분류)
② 유사한 심벌을 그룹핑한 분류
③ "건설CALS/EC 전자도면 작성표준"의 심벌 체계에 따른 코드
④ 심벌을 입력하는 기본적인 레이어(지정되지 않은 경우, 임의의 레이어에 입력)
⑤ 심벌 유형속성 코드

심벌입력요인		코드	유형의 내용	입력적용
실제 규격	밀리미터	MMUNT	1unit=1mm의 실제규격으로 정의하고 항상 절대값 1로 입력	절대값(1)
	미터	M-UNT	1unit=1m의 실제규격으로 정의하고 항상 절대값 1로 입력	절대값(1)
단위 규격	중심기준	CENTER	입력점이 중심인 1x1규격으로 정의하고 BxH 크기로 입력	규격입력
	모서리기준	SQUAR	입력점이 모서리인 1x1규격으로 정의하고 BxH 크기로 입력	규격입력
	직경기준	DIA	입력점이 중심인 1∅규격으로 정의하고 직경(D) 크기로 입력	규격입력
일반블록		SCALE	일반적인 블록형태로 작성된 심벌을 항상 축척분모 크기로 입력	축척입력
복합구성		CMPLX	여러 종류의 심벌을 중복 정의	다양
객체그룹		OBJCT	객체에 의해 운영되는 형식	다양

⑥ 형상의 그리드 간격은 1unit이며, X mark는 형상의 입력 기준점
⑦ 건설CALS 심벌 코드에 대응되는 NGIS 코드

나. 설계도면의 현황과 관련된 기본지형도에 사용되는 심벌은 국가지리정보체계(NGIS)를 변형 없이 그대로 사용할 수 있다.

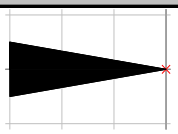
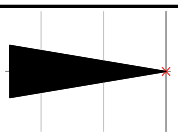
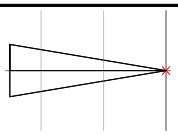
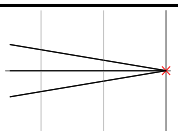
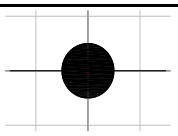
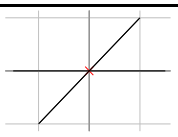
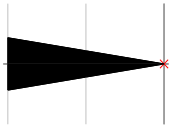
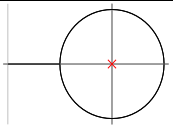
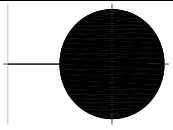
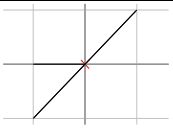
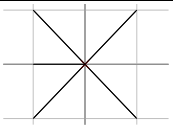
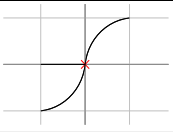
다. 심벌형상의 추가 혹은 변형 사용이 필요한 경우는 표준 확장규칙에 의해 사용자가 정의하여 사용할 수 있다.

라. 토목, 건축 등 각 분야에서는 공통 심벌 목록과 해당 분야별 심벌 목록을 함께 사용한다.

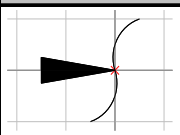
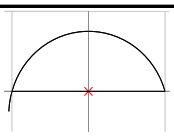
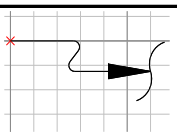
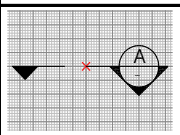
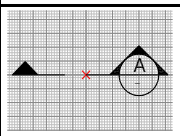
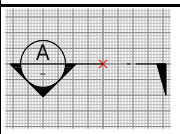
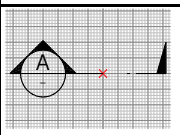
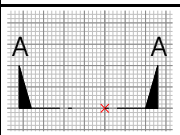
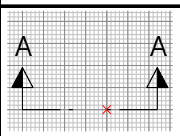
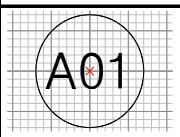
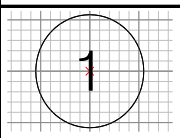
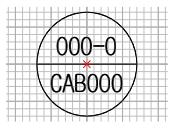
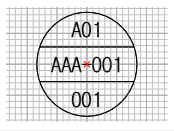
1. 공통분야 심벌 목록

1.1 일반(General for common) : CZ

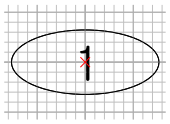
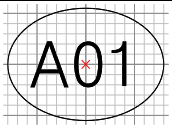
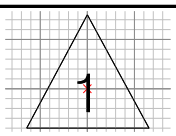
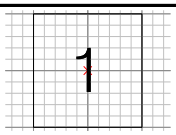
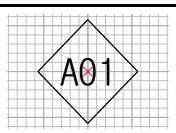
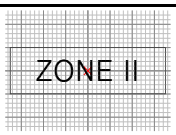
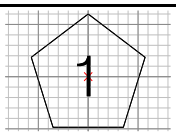
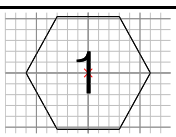
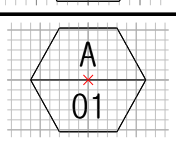
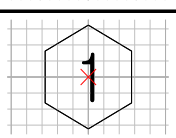
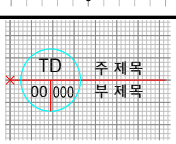
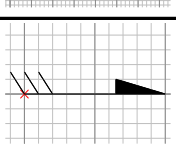
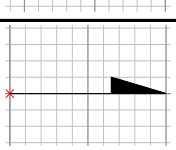
CZ : 공통분야(C)+일반(Z)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	치수블럭	CZDIMA1	□Z-DIML	SCALE		치수화살표(일반)		
2		CZDIMA2	□Z-DIML	SCALE		치수블록(소화살)		
3		CZDIMA3	□Z-DIML	SCALE		치수빈화살표(일반)		
4		CZDIMA4	□Z-DIML	SCALE		치수연결화살표(일반)		
5		CZDIMD1	□Z-DIML	SCALE		치수점(DOT)		
6		CZDIMS1	□Z-DIML	SCALE		치수사선		
7	인출블럭	CZLEAA1	□Z-LEAL	SCALE		인출화살표(일반)		
8		CZLEAC1	□Z-LEAL	SCALE		인출원형		
9		CZLEAD1	□Z-LEAL	SCALE		인출점(DOT)		
10		CZLEAS1	□Z-LEAL	SCALE		인출사선		
11		CZLEAX1	□Z-LEAL	SCALE		인출교차		
12		CZLEAT1	□Z-LEAL	SCALE		인출물결(구체)		

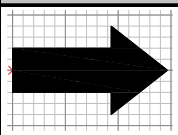
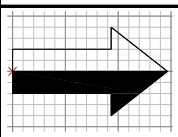
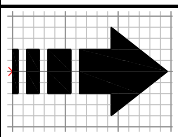
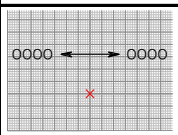
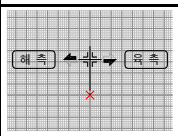
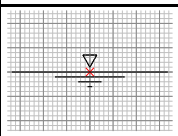
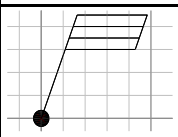
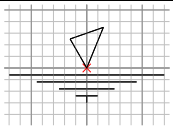
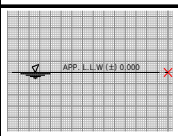
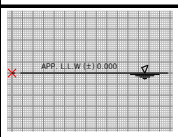
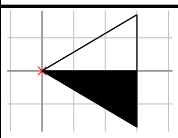
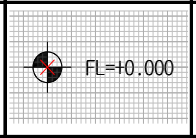
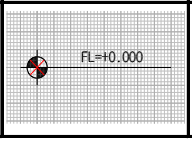
CZ : 공통분야(C)+일반(Z)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	인출블럭	CZLEAT2	□Z-LEAL	SCALE		인출블록 (물결+화살)		
14		CZLEAP1	□Z-LEAL	SCALE		인출 선 지정		
15		CZLEAM1	□Z-LEAL	SCALE		구체(MASS) 인출		
16	단면표시	CZSECM1	□Z-SYMB	CMPLX		단면표시1(아래)		
17		CZSECM2	□Z-SYMB	CMPLX		단면표시2(위)		
18		CZSECM1-TYP1	□Z-SYMB	CMPLX		단면표시1A(아래)		
19		CZSECM2-TYP1	□Z-SYMB	CMPLX		단면표시2A(위)		
20		CZSECM3	□Z-SYMB	CMPLX		단면표시3		
21		CZSECM4	□Z-SYMB	CMPLX		단면표시4		
22	번호표시	CZNOCR1	□Z-SYMB	SCALE		원형(대)		
23		CZNOCR2	□Z-SYMB	SCALE		원형(소)		
24		CZNOCR3	□Z-SYMB	SCALE		원형(2줄)		
25		CZNOCR4	□Z-SYMB	SCALE		원형(3줄)		

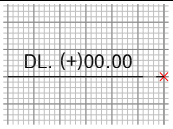
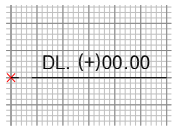
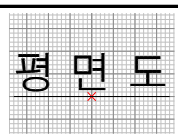
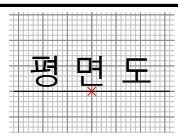
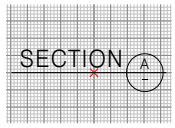
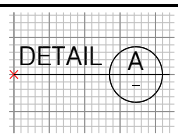
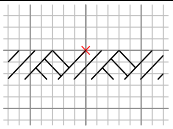
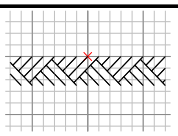
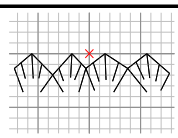
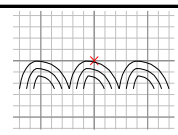
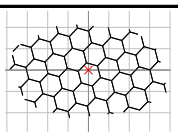
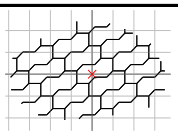
CZ : 공통분야(C)+일반(Z)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	번호표시	CZNOEL1	□Z-SYMB	SCALE		타원형		
27		CZNOEP1	□Z-SYMB	SCALE		번호표시(ELLIPSE)		
28		CZNOTR1	□Z-SYMB	SCALE		삼각형		
29		CZNOSQ1	□Z-SYMB	SCALE		사각형		
30		CZNORH1	□Z-SYMB	SCALE		마름모형		
31		CZNOSQ2	□Z-SYMB	SCALE		직사각형		
32		CZNOPT1	□Z-SYMB	SCALE		오각형		
33		CZNOHX1	□Z-SYMB	SCALE		육각형		
34		CZNOHX2	□Z-SYMB	SCALE		육각형(2줄)		
35		CZNOHX3	□Z-SYMB	SCALE		육각형		
36	표준도인출부호	CZSTDEF	□Z-SYMB	SCALE		표준도 참조 인출부호		
37	방향표시	CZDIRF1	□Z-SYMB	SCALE		유수방향1	E0042326	유수방향
38		CZDIRF2	□Z-SYMB	SCALE		유수방향2	E0042326	유수방향

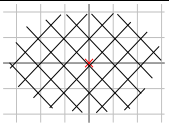
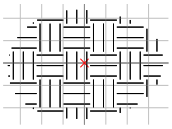
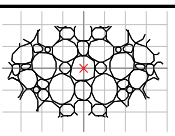
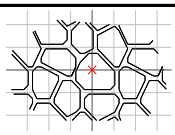
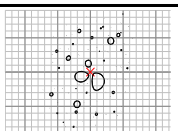
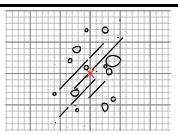
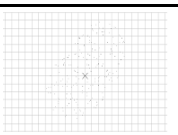
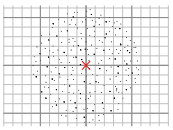
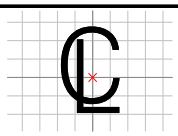
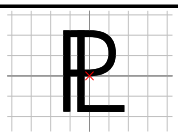
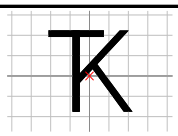
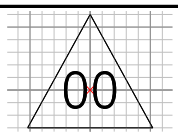
CZ : 공통분야(C)+일반(Z)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	방향표시	CZDIRA1	□Z-SYMB	SCALE		목표방향1		
40		CZDIRA2	□Z-SYMB	SCALE		목표방향2		
41		CZDIRA3	□Z-SYMB	SCALE		목표방향3		
42		CZSIDE1	□Z-SYMB	SCALE		구역(방향)경계1		
43		CZSIDE2	□Z-SYMB	SCALE		구역(방향)경계2		
44	수위/표고	CZELWA1	□Z-SYMB	SCALE		수위표고		
45		CZELWA2	□Z-SYMB	SCALE		수위표		
46		CZELWA3	□Z-SYMB	SCALE		수위표시3		
47		CZELWA3-DESL	□Z-SYMB	SCALE		수위기입(왼쪽)		
48		CZELWA3-DESR	□Z-SYMB	SCALE		수위기입(오른쪽)		
49		CZELEV1	□Z-SYMB	SCALE		입면표고		
50		CZLEVL1	□Z-SYMB	SCALE		평면레벨표시		
51		CZLEVL2	□Z-SYMB	SCALE		단면레벨표시		

CZ : 공통분야(C)+일반(Z)

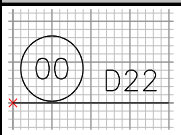
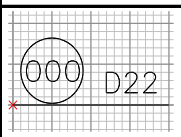
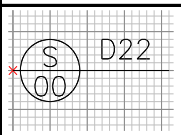
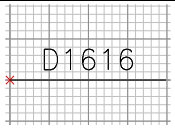
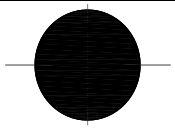
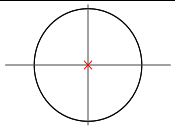
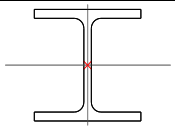
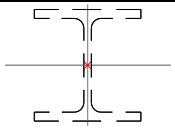
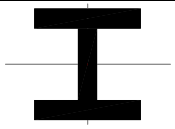
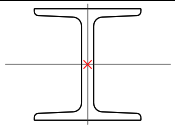
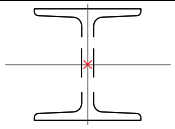
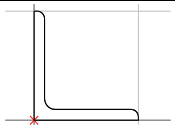
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	수위/표고	CZLEVL2-DESL	□Z-SYMB	SCALE		표고기입(왼쪽)		
53		CZLEVL2-DESR	□Z-SYMB	SCALE		표고기입(오른쪽)		
54	타이틀	CZSTITG	□Z-SYMB	SCALE		부타이틀		
55		CZATITG	□Z-SYMB	SCALE		보조타이틀		
56		CZRTITG	□Z-SYMB	SCALE		보조타이틀(링타입)		
57		CZATITR	□Z-SYMB	SCALE		보조타이틀(도면참조)		
58	참조지시	CZRDET1	□Z-SYMB	SCALE		상세도지시(도면참조)		
59	패턴	CZHEGRD	□Z-SYMB	SCALE		땅(토사)표시		
60		CZHEROK	□Z-SYMB	SCALE		암반표시		
61		CZHSROK	□Z-SYMB	SCALE		연암		
62		CZHBROK	□Z-SYMB	SCALE		기반암(경암)		
63		CZHPBL1	□Z-SYMB	SCALE		보도블럭		
64		CZHPBL2	□Z-SYMB	SCALE		고압블럭		

CZ : 공통분야(C)+일반(Z)

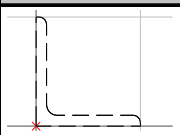
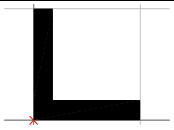
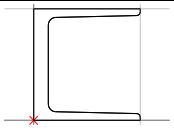
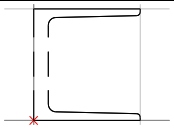
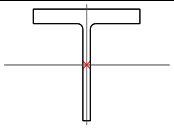
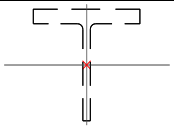
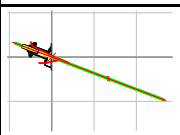
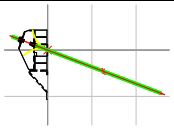
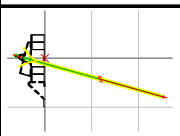
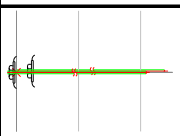
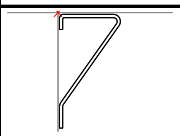
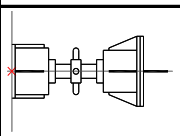
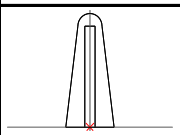
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
65	패턴	CZHPSLP	□Z-SYMB	SCALE		사면보호블럭		
66		CZHPEAH	□Z-SYMB	SCALE		흙채움		
67		CZHPGRV	□Z-SYMB	SCALE		자갈 및 호박돌		
68		CZHPSTN	□Z-SYMB	SCALE		전석		
69		CZHPCON	□Z-SYMB	SCALE		무근콘크리트		
70		CZHPRCN	□Z-SYMB	SCALE		철근콘크리트		
71		CZHPSND	□Z-SYMB	SCALE		모래 및 몰탈		
72		CZHSOIL	□Z-SYMB	SCALE		토사, 매립토		
73	문자기호	CZASCNT	□Z-SYMB	SCALE		중심선		
74		CZASPLT	□Z-SYMB	SCALE		플레이트(강판)		
75		CZASTHK	□Z-SYMB	SCALE		두께(강판 등)		
76	기타	CZREVMK	□Z-SYMB	SCALE		도면개정부호표시		

1.2 구조물도(Structure) : CS

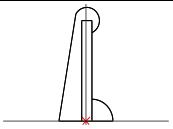
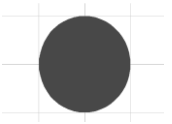
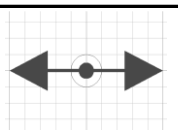
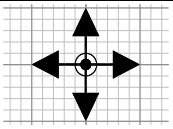
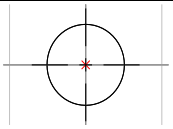
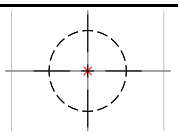
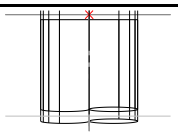
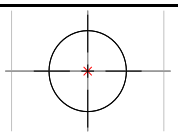
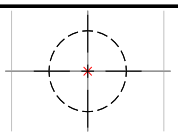
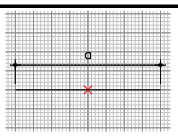
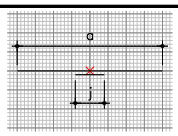
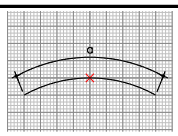
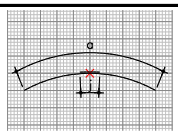
CS : 공통분야(C)+구조물도(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	철근	CSBNUM1	□S-RBAR-MAJR	SCALE		철근인출번호 (일반)		
2		CSBNUM1-FITT	□S-RBAR-MAJR	SCALE		철근인출번호 (일반맞춤)		
3		CSBNUM2	□S-RBAR-MAJR	SCALE		철근인출번호 (위치기호)		
4		CSBNUM3	□S-RBAR-MAJR	SCALE		철근인출번호(ACI)		
5		CSBSEC1	□S-RBAR-MAJR	SCALE		철근단면		
6		CSBSEC2	□S-RBAR-MAJR	SCALE		철근단면(참조)		
7	강재	CSHBEMC	□S-STEL-MAJR	CENTER		H형강(실선)		
8		CSHBEMH	□S-STEL-MINR	CENTER		H형강(파선)		
9		CSHBEMF	□S-FRAM-MAJR	CENTER		H형강(채움)		
10		CSIBEMC	□S-STEL-MAJR	CENTER		I형강(실선)		
11		CSIBEMH	□S-STEL-MINR	CENTER		I형강(파선)		
12		CSANGLC	□S-STEL-MAJR	SQUAR		앵글(실선)		

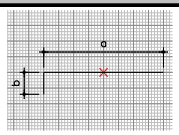
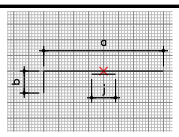
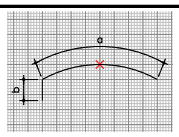
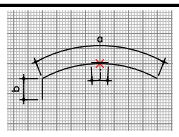
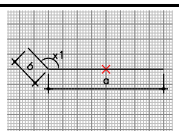
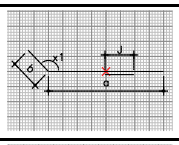
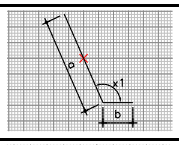
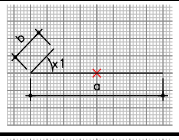
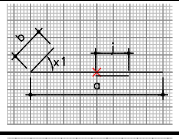
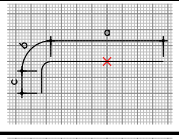
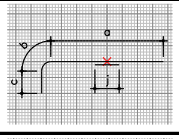
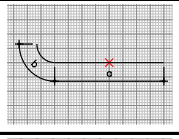
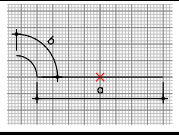
CS : 공통분야(C)+구조물도(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	강재	CSANGLH	□S-STEL-MINR	SQUAR		앵글(파선)		
14		CSANGLF	□S-FRAM-MAJR	SQUAR		앵글(채움)		
15		CSCHNLC	□S-STEL-MAJR	SQUAR		찬넬(실선)		
16		CSCHNLH	□S-STEL-MINR	SQUAR		찬넬(파선)		
17		CSCTEEC	□S-STEL-MAJR	CENTER		C.T 형강(실선)		
18		CSCTEEH	□S-STEL-MINR	CENTER		C.T 형강(파선)		
19	가시설	CSEACR1	□S-SYMB	M-UNT		어스앙카1		
20		CSEACR2	□S-SYMB	M-UNT		어스앙카2		
21		CSEACR3	□S-SYMB	M-UNT		어스앙카3		
22		CSRBOLT	□S-SYMB	M-UNT		록볼트		
23		CSSPORT	□S-SYMB	M-UNT		지지대		
24		CSSJACK	□S-SYMB	M-UNT		버팀보잭		
25	리브 플레이트	CSRBPTT	□S-SYMB	M-UNT		리브플레이트 (인장)		

CS : 공통분야(C)+구조물도(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	리브 플레이트	CSRBPTC	□S-SYMB	M-UNT		리브플레이트 (압축)		
27	슈	CSSHOEF	□S-SYMB	SCALE		고정 슈		
28		CSSHOE1	□S-SYMB	SCALE		단방향 슈		
29		CSSHOE2	□S-SYMB	CENTER		양방향 슈		
30	파일	CSPILEC	□S-SYMB	CENTER		파일단면(실선)		
31		CSPILEH	□S-SYMB	CENTER		파일단면(파선)		
32		CSPILES	□S-SYMB	CENTER		파일측면		
33	볼트홀	CSBOLTC	□S-STEL-MAJR	CENTER		볼트홀단면(실선)		
34		CSBOLTH	□S-STEL-MAJR	CENTER		볼트홀단면(파선)		
35	철근가공조립(A)	CSBSHPE-A00	□S-RBAR-EREC	SCALE		철근가공-A형식00		
36		CSBSHPE-A01	□S-RBAR-EREC	SCALE		철근가공-A형식01		
37		CSBSHPE-A02	□S-RBAR-EREC	SCALE		철근가공-A형식02		
38		CSBSHPE-A03	□S-RBAR-EREC	SCALE		철근가공-A형식03		

CS : 공통분야(C)+구조물도(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	철근가공조립(B)	CSBSHPE-B00	□S-RBAR-EREC	SCALE		철근가공-B형식00		
40		CSBSHPE-B01	□S-RBAR-EREC	SCALE		철근가공-B형식01		
41		CSBSHPE-B02	□S-RBAR-EREC	SCALE		철근가공-B형식02		
42		CSBSHPE-B03	□S-RBAR-EREC	SCALE		철근가공-B형식03		
43		CSBSHPE-B04	□S-RBAR-EREC	SCALE		철근가공-B형식04		
44		CSBSHPE-B05	□S-RBAR-EREC	SCALE		철근가공-B형식05		
45		CSBSHPE-B06	□S-RBAR-EREC	SCALE		철근가공-B형식06		
46		CSBSHPE-B07	□S-RBAR-EREC	SCALE		철근가공-B형식07		
47		CSBSHPE-B08	□S-RBAR-EREC	SCALE		철근가공-B형식08		
48	철근가공조립(C)	CSBSHPE-C00	□S-RBAR-EREC	SCALE		철근가공-C형식00		
49		CSBSHPE-C01	□S-RBAR-EREC	SCALE		철근가공-C형식01		
50		CSBSHPE-C02	□S-RBAR-EREC	SCALE		철근가공-C형식02		
51		CSBSHPE-C03	□S-RBAR-EREC	SCALE		철근가공-C형식03		

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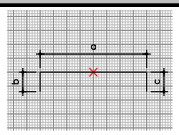
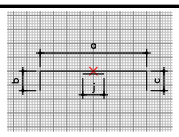
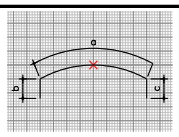
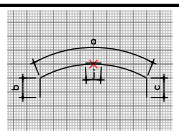
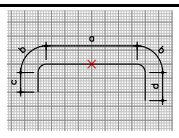
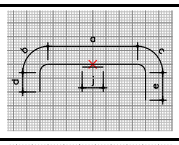
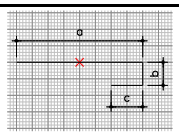
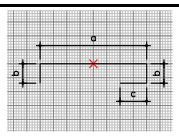
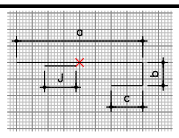
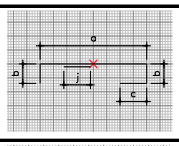
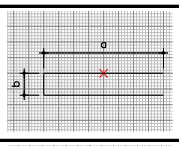
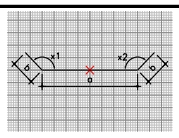
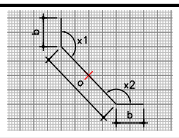
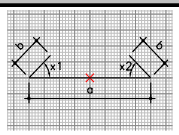
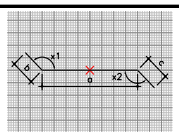
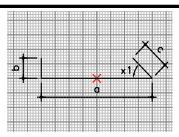
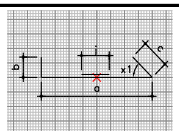
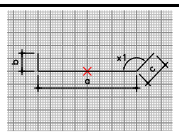
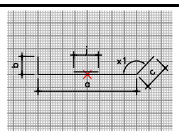
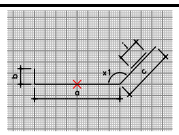
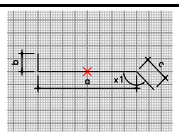
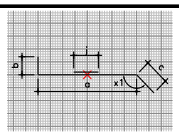
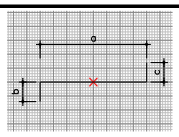
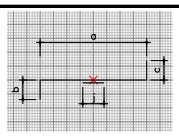
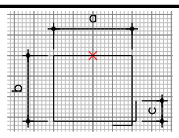
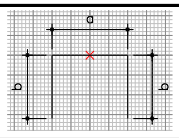
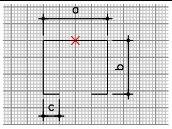
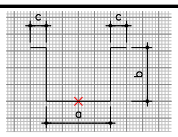
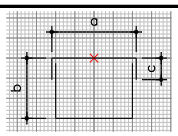
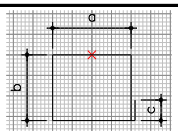
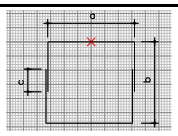
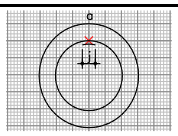
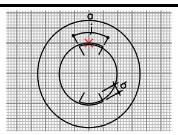
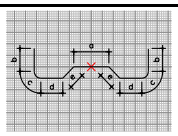
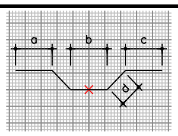
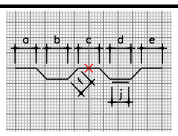
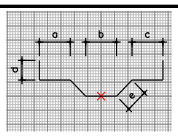
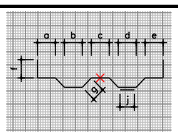
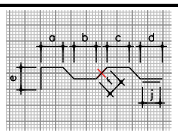
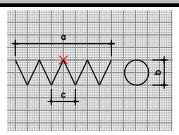
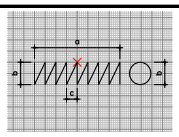
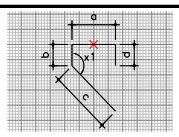
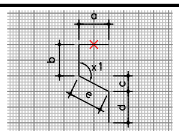
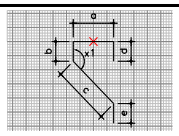
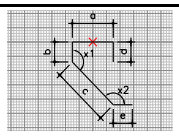
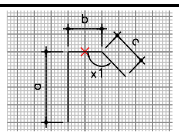
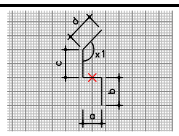
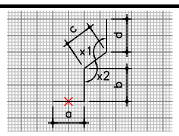
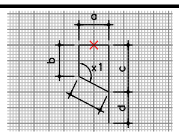
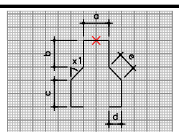
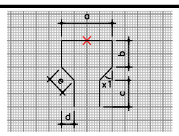
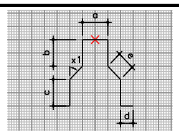
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	철근가공조립(D)	CSBSHPE-D00	□S-RBAR-EREC	SCALE		철근가공-D형식00		
53		CSBSHPE-D01	□S-RBAR-EREC	SCALE		철근가공-D형식01		
54		CSBSHPE-D02	□S-RBAR-EREC	SCALE		철근가공-D형식02		
55		CSBSHPE-D03	□S-RBAR-EREC	SCALE		철근가공-D형식03		
56	철근가공조립(E)	CSBSHPE-E00	□S-RBAR-EREC	SCALE		철근가공-E형식00		
57		CSBSHPE-E01	□S-RBAR-EREC	SCALE		철근가공-E형식01		
58	철근가공조립(F)	CSBSHPE-F01	□S-RBAR-EREC	SCALE		철근가공-F형식01		
59		CSBSHPE-F02	□S-RBAR-EREC	SCALE		철근가공-F형식02		
60		CSBSHPE-F03	□S-RBAR-EREC	SCALE		철근가공-F형식03		
61		CSBSHPE-F04	□S-RBAR-EREC	SCALE		철근가공-F형식04		
62		CSBSHPE-F05	□S-RBAR-EREC	SCALE		철근가공-F형식05		
63	철근가공조립(G)	CSBSHPE-G00	□S-RBAR-EREC	SCALE		철근가공-G형식00		
64		CSBSHPE-G01	□S-RBAR-EREC	SCALE		철근가공-G형식01		

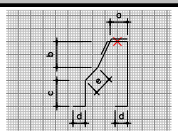
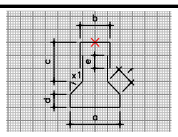
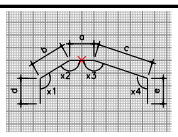
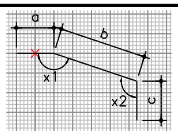
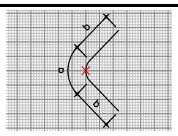
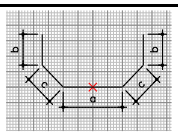
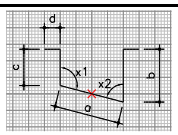
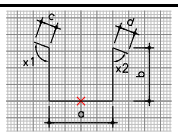
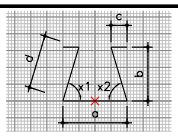
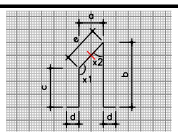
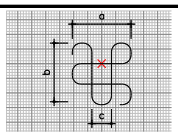
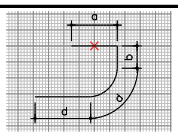
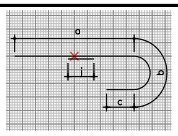
CS : 공통분야(C)+구조물도(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
65	철근가공조립(G)	CSBSHPE-G02	□S-RBAR-EREC	SCALE		철근가공-G형식02		
66		CSBSHPE-G03	□S-RBAR-EREC	SCALE		철근가공-G형식03		
67		CSBSHPE-G04	□S-RBAR-EREC	SCALE		철근가공-G형식04		
68		CSBSHPE-G05	□S-RBAR-EREC	SCALE		철근가공-G형식05		
69		CSBSHPE-G06	□S-RBAR-EREC	SCALE		철근가공-G형식06		
70		CSBSHPE-G07	□S-RBAR-EREC	SCALE		철근가공-G형식07		
71		CSBSHPE-G08	□S-RBAR-EREC	SCALE		철근가공-G형식08		
72		CSBSHPE-G09	□S-RBAR-EREC	SCALE		철근가공-G형식09		
73		CSBSHPE-G10	□S-RBAR-EREC	SCALE		철근가공-G형식10		
74		CSBSHPE-G11	□S-RBAR-EREC	SCALE		철근가공-G형식11		
75		CSBSHPE-G12	□S-RBAR-EREC	SCALE		철근가공-G형식12		
76	철근가공조립(H)	CSBSHPE-H00	□S-RBAR-EREC	SCALE		철근가공-H형식00		
77		CSBSHPE-H01	□S-RBAR-EREC	SCALE		철근가공-H형식01		

CS : 공통분야(C)+구조물도(S)

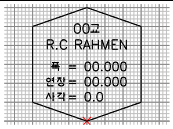
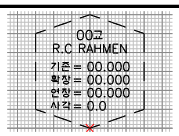
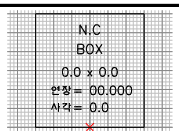
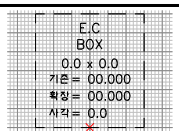
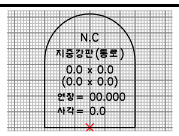
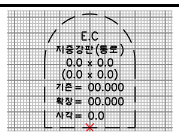
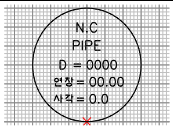
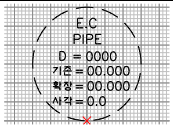
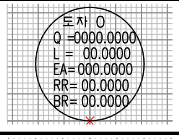
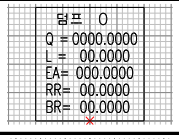
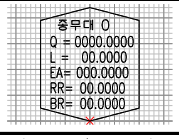
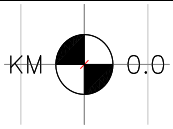
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
78	철근가공조립(H)	CSBSHPE-H02	□S-RBAR-EREC	SCALE		철근가공-H형식02		
79		CSBSHPE-H03	□S-RBAR-EREC	SCALE		철근가공-H형식03		
80		CSBSHPE-H04	□S-RBAR-EREC	SCALE		철근가공-H형식04		
81		CSBSHPE-H05	□S-RBAR-EREC	SCALE		철근가공-H형식05		
82		CSBSHPE-H06	□S-RBAR-EREC	SCALE		철근가공-H형식06		
83	철근가공조립(I)	CSBSHPE-I00	□S-RBAR-EREC	SCALE		철근가공-I형식00		
84		CSBSHPE-I01	□S-RBAR-EREC	SCALE		철근가공-I형식01		
85	철근가공조립(J)	CSBSHPE-J00	□S-RBAR-EREC	SCALE		철근가공-J형식00		
86		CSBSHPE-J01	□S-RBAR-EREC	SCALE		철근가공-J형식01		
87		CSBSHPE-J02	□S-RBAR-EREC	SCALE		철근가공-J형식02		
88		CSBSHPE-J03	□S-RBAR-EREC	SCALE		철근가공-J형식03		
89		CSBSHPE-J04	□S-RBAR-EREC	SCALE		철근가공-J형식04		
90		CSBSHPE-J05	□S-RBAR-EREC	SCALE		철근가공-J형식05		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
91	철근가공조립(K)	CSBSHPE-K00	□S-RBAR-EREC	SCALE		철근가공-K형식00		
92		CSBSHPE-K01	□S-RBAR-EREC	SCALE		철근가공-K형식01		
93	철근가공조립(L)	CSBSHPE-L00	□S-RBAR-EREC	SCALE		철근가공-L형식00		
94		CSBSHPE-L01	□S-RBAR-EREC	SCALE		철근가공-L형식01		
95		CSBSHPE-L02	□S-RBAR-EREC	SCALE		철근가공-L형식02		
96		CSBSHPE-L03	□S-RBAR-EREC	SCALE		철근가공-L형식03		
97		CSBSHPE-L04	□S-RBAR-EREC	SCALE		철근가공-L형식04		
98		CSBSHPE-L05	□S-RBAR-EREC	SCALE		철근가공-L형식05		
99		CSBSHPE-L06	□S-RBAR-EREC	SCALE		철근가공-L형식06		
100		CSBSHPE-L07	□S-RBAR-EREC	SCALE		철근가공-L형식07		
101	철근가공조립(M)	CSBSHPE-M00	□S-RBAR-EREC	SCALE		철근가공-M형식00		
102		CSBSHPE-M01	□S-RBAR-EREC	SCALE		철근가공-M형식01		
103		CSBSHPE-M02	□S-RBAR-EREC	SCALE		철근가공-M형식02		

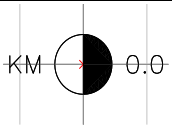
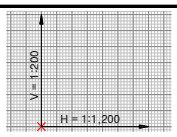
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
104	철근가공조립(M)	CSBSHPE-M03	□S-RBAR-EREC	SCALE		철근가공-M형식03		
105		CSBSHPE-M04	□S-RBAR-EREC	SCALE		철근가공-M형식04		
106	철근가공조립(X)	CSBSHPE-X00	□S-RBAR-EREC	SCALE		철근가공-X형식00		
107		CSBSHPE-X01	□S-RBAR-EREC	SCALE		철근가공-X형식01		
108		CSBSHPE-X02	□S-RBAR-EREC	SCALE		철근가공-X형식02		
109		CSBSHPE-X03	□S-RBAR-EREC	SCALE		철근가공-X형식03		
110		CSBSHPE-X04	□S-RBAR-EREC	SCALE		철근가공-X형식04		
111		CSBSHPE-X05	□S-RBAR-EREC	SCALE		철근가공-X형식05		
112		CSBSHPE-X06	□S-RBAR-EREC	SCALE		철근가공-X형식06		
113		CSBSHPE-X07	□S-RBAR-EREC	SCALE		철근가공-X형식07		
114		CSBSHPE-X08	□S-RBAR-EREC	SCALE		철근가공-X형식08		
115		CSBSHPE-X09	□S-RBAR-EREC	SCALE		철근가공-X형식09		
116		CSBSHPE-X10	□S-RBAR-EREC	SCALE		철근가공-X형식10		

1.3 종단면도(Profiles) : CR

CR : 공통분야(C)+종단면도(R)

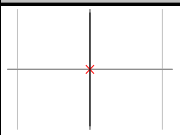
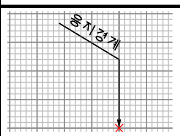
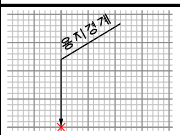
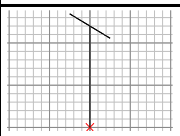
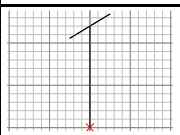
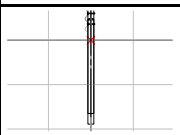
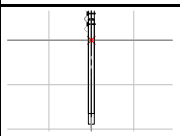
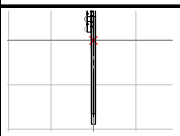
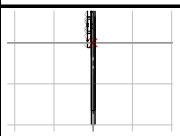
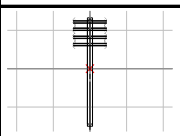
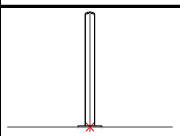
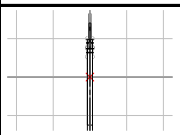
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	구조물제원	CRBRDGN	□R-BRDG-NEWC	SCALE		신규 교량		
2		CRBRDGE	□R-BRDG-EXST	SCALE		기존 교량		
3		CRBOXCN	□R-BOXC-NEWC	SCALE		신규 암거		
4		CRBOXCE	□R-BOXC-EXST	SCALE		기존 암거		
5		CRSSTLN	□R-BOXC-NEWC	SCALE		신규 지중강판 구조물		
6		CRSSTLE	□R-BOXC-EXST	SCALE		기존 지중강판 구조물		
7		CRPIPEN	□R-PIPX-NEWC	SCALE		신규 횡배수관		
8		CRPIPEE	□R-PIPX-EXST	SCALE		기존 횡배수관		
9	유용토제원	CRMCVDZ	□R-SYMB	SCALE		도쟈		
10		CRMCVDP	□R-SYMB	SCALE		덤프		
11		CRMCVFR	□R-SYMB	SCALE		종무대		
12	연거리	CRDISTM	□R-SYMB	SQUAR		연거리1		

CR : 공통분야(C)+종단면도(R)

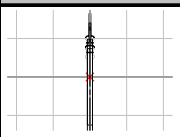
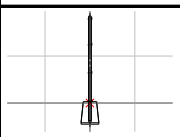
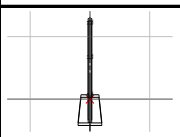
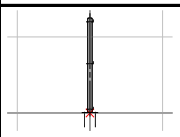
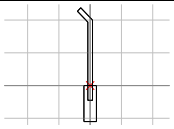
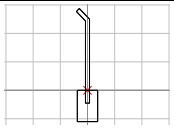
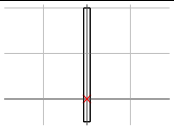
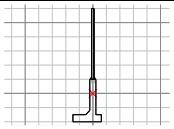
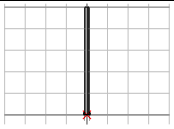
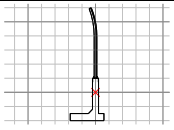
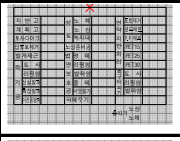
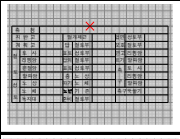
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	연거리	CRDISTS	□R-SYMB	SQUAR		연거리2		
14	축척표시	CRGSCH1	□R-SYMB	SCALE		종횡단축척표시		

1.4 횡단면도(Cross sections) : CC

CC : 공통분야(C)+횡단면도(C)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	측점	CCSTAMK	□C-BASE	SCALE		횡단 중심측점		
2	용지경계	CCLNDAL	□C-SYMB	SCALE		좌측 용지경계		
3		CCLNDAR	□C-SYMB	SCALE		우측 용지경계		
4	건물경계	CCLNDBL	□C-SYMB	SCALE		좌측 건물경계		
5		CCLNDBR	□C-SYMB	SCALE		우측 건물경계		
6	횡단시설	CCGRDLA	□C-INST	SCALE		가드레일-A(형식1)		
7		CCGRDLB	□C-INST	SCALE		가드레일-B(형식2)		
8		CCGRDLC	□C-INST	SCALE		가드레일-C(형식3)		
9		CCGRDLD	□C-INST	SCALE		가드레일(이단)		
10		CCGRDLE	□C-INST	SCALE		중앙분리대(연약지반용)		
11		CCLFNCA	□C-INST	SCALE		차광망-A(중앙분리대)		
12		CCLFNCB	□C-INST	SCALE		차광망-B(개구부)		

CC : 공통분야(C)+횡단면도(C)

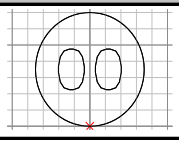
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	횡단시설	CCLFNCC	□C-INST	SCALE		차광망-C(개구부)		
14		CCGFNCA	□C-INST	SCALE		가드펜스-A(토공용)		
15		CCGFNCB	□C-INST	SCALE		가드펜스-B(BUS STOP)		
16		CCGFNCC	□C-INST	SCALE		가드펜스-C(육교용)		
17		CCGSTNA	□C-INST	SCALE		낙석방지울타리-A(옹벽용)		
18		CCGSTNB	□C-INST	SCALE		낙석방지울타리-B(토공/터널)		
19		CCGSTNC	□C-INST	SCALE		낙석방지울타리-C(소단용)		
20		CCPSNDA	□C-INST	SCALE		방음벽-A(토공부)		
21		CCPSNDB	□C-INST	SCALE		방음벽-B(교량부)		
22		CCPSNDC	□C-INST	SCALE		방음벽-C(토공부)		
23	토적표	CCRDVT1	□C-TABL	SCALE		도로토공 토적표(1)		
24		CCRDVT2	□C-TABL	SCALE		도로토공 토적표(2)		
25		CCRVVT1	□C-TABL	SCALE		하천제방 토적표(1)		

CC : 공통분야(C)+횡단면도(C)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	토적표	CCRVVT2	□C-TABL	SCALE		하천제방 토적표 (2)		
27	횡배수구조물 제원표	CCRDST1	□C-TABL	SCALE		횡배수구조물 제원표		
28	기타	CCPSODU	□C-SYMB	SCALE		떼붙임(잔디)		

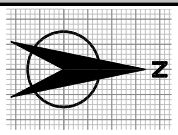
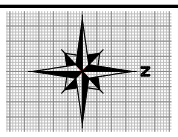
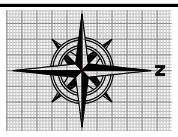
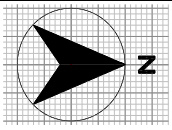
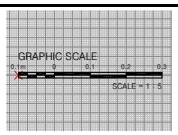
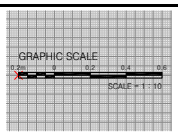
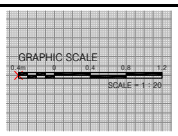
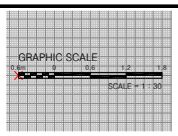
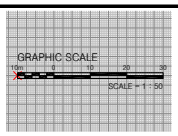
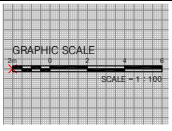
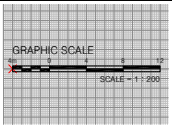
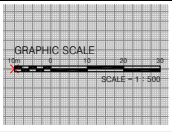
1.5 용지도(Cadastral) : CL

CL : 공통분야(C)+용지도(L)

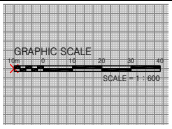
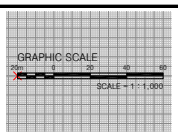
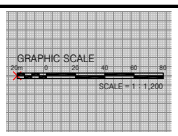
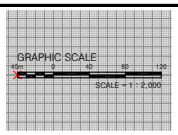
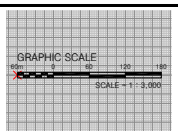
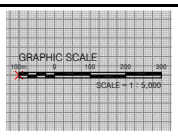
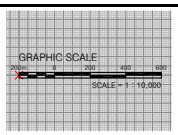
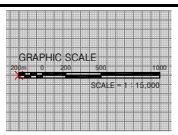
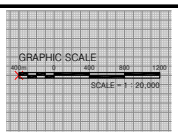
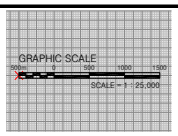
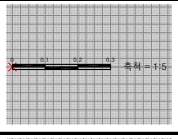
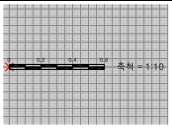
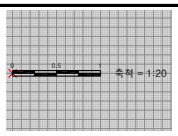
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	인출심벌	CLBALON	□L-LOTT-SYMB	SCALE		지적인출심벌		

1.6 기타(Others) : CX

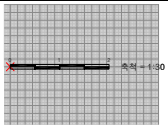
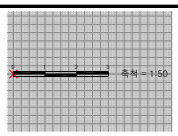
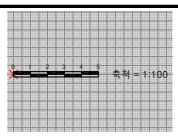
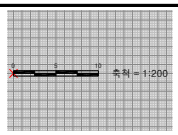
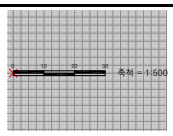
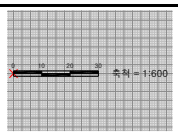
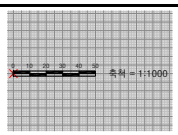
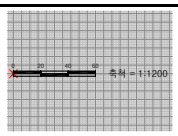
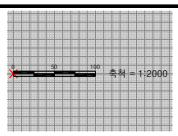
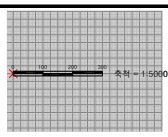
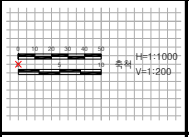
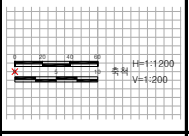
CX : 공통분야(C)+기타(X)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	방위기호	CXBEAR1	□X-MISC	SCALE		방위기호1		
2		CXBEAR2	□X-MISC	SCALE		방위기호2		
3		CXBEAR3	□X-MISC	SCALE		방위기호3		
4		CXBEAR4	□X-MISC	SCALE		방위기호4		
5	그래픽축척	CXGSCHS-M5	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/5		
6		CXGSCHS-M10	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/10		
7		CXGSCHS-M20	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/20		
8		CXGSCHS-M30	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/30		
9		CXGSCHS-M50	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/50		
10		CXGSCHS-M100	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/100		
11		CXGSCHS-M200	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/200		
12		CXGSCHS-M500	□X-SCAL	SCALE		그래픽 단일축척(M 단위) S=1/500		

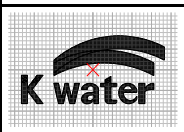
CX : 공통분야(C)+기타(X)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	그래픽축척	CXGSCHS-M600	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/600		
14		CXGSCHS-M1000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/1000		
15		CXGSCHS-M1200	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/1200		
16		CXGSCHS-M2000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/2000		
17		CXGSCHS-M3000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/3000		
18		CXGSCHS-M5000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/5000		
19		CXGSCHS-M10000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/10000		
20		CXGSCHS-M15000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/15000		
21		CXGSCHS-M20000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/20000		
22		CXGSCHS-M25000	□X-SCAL	SCALE		그래픽 단일축척(M단위) S=1/25000		
23	축척	CXGSCHS-5	□X-SCAL	SCALE		단일축척1/5		
24		CXGSCHS-10	□X-SCAL	SCALE		단일축척1/10		
25		CXGSCHS-20	□X-SCAL	SCALE		단일축척1/20		

CX : 공통분야(C)+기타(X)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	축척	CXGSCHS-30	□X-SCAL	SCALE		단일축척1/30		
27		CXGSCHS-50	□X-SCAL	SCALE		단일축척1/50		
28		CXGSCHS-100	□X-SCAL	SCALE		단일축척1/100		
29		CXGSCHS-200	□X-SCAL	SCALE		단일축척1/200		
30		CXGSCHS-500	□X-SCAL	SCALE		단일축척1/500		
31		CXGSCHS-600	□X-SCAL	SCALE		단일축척1/600		
32		CXGSCHS-1000	□X-SCAL	SCALE		단일축척1/1000		
33		CXGSCHS-1200	□X-SCAL	SCALE		단일축척/1200		
34		CXGSCHS-2000	□X-SCAL	SCALE		단일축척1/2000		
35		CXGSCHS-5000	□X-SCAL	SCALE		단일축척1/5000		
36		CXGSCHD-1000-200	□X-SCAL	SCALE		복수축척1/1000 & 1/200		
37		CXGSCHD-1200-200	□X-SCAL	SCALE		복수축척1/1200 & 1/200		
38	로고	CXGLOGO-UNIT-MLTMH	□X-MISC	SCALE		국토해양부 로고(가로형)		

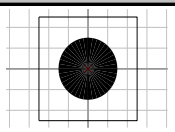
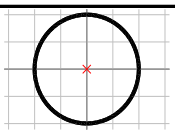
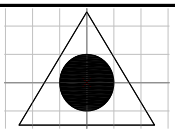
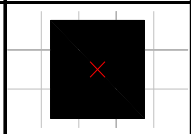
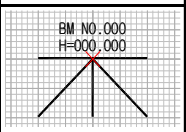
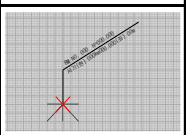
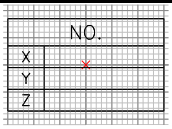
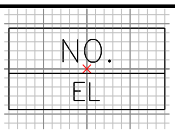
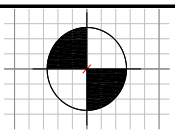
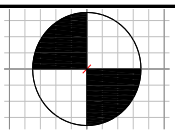
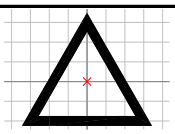
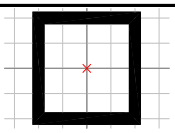
CX : 공통분야(C)+기타(X)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	로고	CXGLOGO-UNIT-MLTMV	□X-MISC	SCALE		국토해양부 로고(세로형)		
40		CXGLOGO-MLTM	□X-MISC	SCALE		국토해양부 지방국토관리청 로고		
41		CXGLOGO-UNIT-KHCS	□X-MISC	SCALE		한국도로공사로고(단위)		
42		CXGLOGO-KHCS	□X-MISC	SCALE		한국도로공사로고		
43		CXGLOGO-UNIT-KRNA	□X-MISC	SCALE		철도시설공단로고(단위)		
44		CXGLOGO-KRNA	□X-MISC	SCALE		철도시설공단로고		
45		CXGLOGO-UNIT-kwater	□X-MISC	SCALE		한국수자원공사로고(단위)		
46		CXGLOGO-kwater	□X-MISC	SCALE		한국수자원공사로고		
47	도각	CXBLKA0	□X-BORD	SCALE	도면자료 제공	타이틀블록(도각) A0		
48		CXBLKA1	□X-BORD	SCALE	도면자료 제공	타이틀블록(도각) A1		
49		CXBLKA2	□X-BORD	SCALE	도면자료 제공	타이틀블록(도각) A2		
50		CXBLKA3	□X-BORD	SCALE	도면자료 제공	타이틀블록(도각) A3		
51		CXBLKA4	□X-BORD	SCALE	도면자료 제공	타이틀블록(도각) A4		

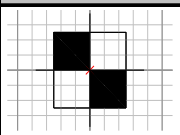
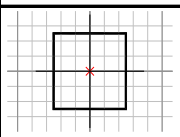
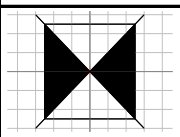
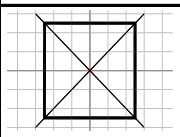
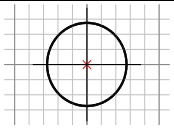
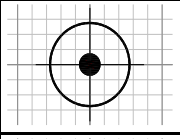
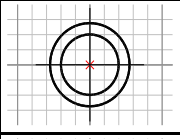
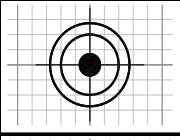
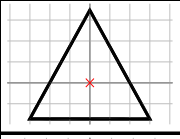
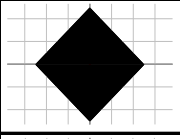
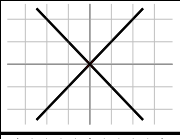
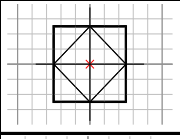
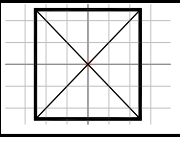
2. 토목분야 심벌 목록

2.1 측량 및 토질(Survey & Geological) : CV

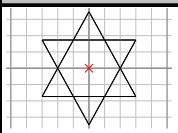
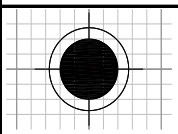
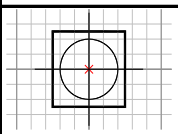
CV : 토목분야(C)+측량및토질(V)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	측량점	CVSVTBM	CV-SURV-SYMB	SCALE		수준점(TBM)	H0027312	수준점
2		CVSVCPM	CV-SURV-SYMB	SCALE		기준점(CP)	H0027312	수준점
3		CVSVTPM	CV-SURV-SYMB	SCALE		중간기준점(TP)	H0027312	수준점
4		CVSTNMK	CV-SURV-SYMB	SCALE		표석	H0027312	수준점
5		CVSVBM1	CV-SURV-SYMB	SCALE		Bench Mark1	H0027312	수준점
6		CVSVBM2	CV-SURV-SYMB	SCALE		Bench Mark2	H0027312	수준점
7		CVSVTB1	CV-SURV-TABL	SCALE		측량점 테이블		
8		CVSVTB2	CV-SURV-TABL	SCALE		측량점 테이블(약식)		
9	보링주상위치	CVBORH1	CV-BORE-SYMB	SCALE		일반보링홀		
10		CVBORH2	CV-BORE-SYMB	SCALE		연약지반 보링홀		
11		CVBORH3	CV-BORE-SYMB	SCALE		핸드오거보링		
12		CVBORH4	CV-BORE-SYMB	SCALE		시험굴		

CV : 토목분야(C)+측량및토질(V)

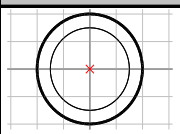
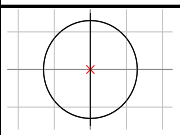
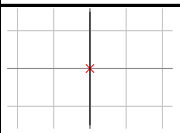
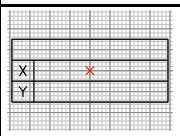
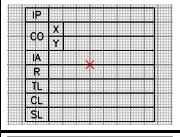
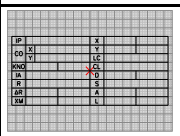
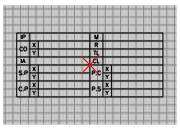
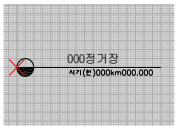
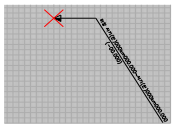
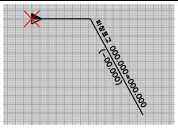
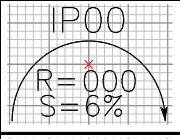
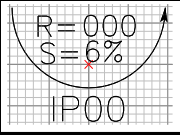
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	보링주상위치	CVBORH5	CV-BORE-SYMB	SCALE		보링홀(단계별1)		
14		CVBORH6	CV-BORE-SYMB	SCALE		보링홀(단계별2)		
15		CVBORH7	CV-BORE-SYMB	SCALE		보링홀(단계별3)		
16		CVBORH8	CV-BORE-SYMB	SCALE		보링홀(단계별4)		
17	관측 및 계측	CVMONH1	CV-MASR-SYMB	SCALE		관측 및 계측공1		
18		CVMONH2	CV-MASR-SYMB	SCALE		관측 및 계측공2		
19		CVMONH3	CV-MASR-SYMB	SCALE		관측 및 계측공3		
20		CVMONH4	CV-MASR-SYMB	SCALE		관측 및 계측공4		
21		CVMSSET	CV-MASR-SYMB	SCALE		표면침하계		
22		CVMEPRE	CV-MASR-SYMB	SCALE		토압계		
23		CVMPPRE	CV-MASR-SYMB	SCALE		간극수압계		
24		CVMMLSG	CV-MASR-SYMB	SCALE		다층지반 침하량 측정기		
25		CVMINCM	CV-MASR-SYMB	SCALE		경사계		

CV : 토목분야(C)+측량및토질(V)

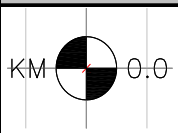
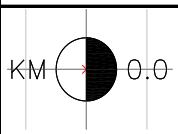
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	관측 및 계측	CVMWLMG	CV-MASR-SYMB	SCALE		지하수위 측정기		
27		CVMWLMP	CV-MASR-SYMB	SCALE		집수정 수위측정기		
28		CVMWLMS	CV-MASR-SYMB	SCALE		해수면 수위측정기		

2.2 기하구조(Alignments) : CA

CA : 토목분야(C)+기하구조(A)

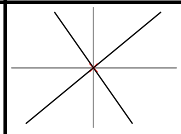
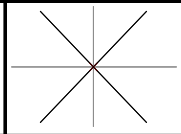
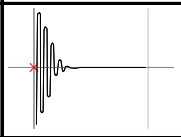
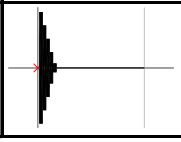
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	선형심벌	CAIPMRK	CA-ALGN-IPSM	SCALE		IP교차점		
2		CASTAMM	CA-ALGN-STSM	SCALE		주 측점		
3		CASTAMS	CA-ALGN-STSM	SCALE		보조측점		
4	선형제원	CACTBEP	CA-ALGN-TBSM	SCALE		선형 시.종점 제원		
5		CACTCRV	CA-ALGN-TBSM	SCALE		원곡선 제원		
6		CACTSPR	CA-ALGN-TBSM	SCALE		완화곡선제원		
7		CACTCPA	CA-ALGN-TBSM	SCALE		3차포물선곡선 제원		
8		CASTATG	CA-ALGN-SUBS	SCALE		철도정거장 이정		
9		CABKDST	CA-ALGN-SUBS	SCALE		철도파정(거리)		
10		CABKELV	CA-ALGN-SUBS	SCALE		철도파정(표고)		
11	편경사	CASECVL	CA-SYMB	SCALE		편경사도(좌측곡선)		
12		CASECVR	CA-SYMB	SCALE		편경사도(우측곡선)		

CA : 토목분야(C)+기하구조(A)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	연거리이정표시	CADISTM	CA-ALGN-SUBS	SQUAR		연거리이정표시 (정체인)		
14		CADISTS	CA-ALGN-SUBS	SQUAR		연거리이정표시 (보조체인)		

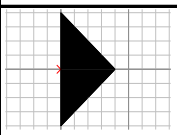
2.3 토공(Earthworks) : CE

CE : 토목분야(C)+토공(E)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	표고점	CESPOTE	CE-SPOT-SYMB	SCALE		표고점(기존현황)	F0027217	표고점
2		CESPOTN	CE-SPOT-SYMB	SCALE		표고점(계획구역)	F0027217	표고점
3	자연사면	CESLOPE	CE-SLOP-NATR	SQUAR		자연사면(기존현황)		
4		CESLOPN	CE-SLOP-NATR	SQUAR		자연사면(계획구역)		

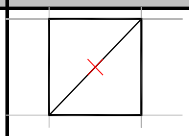
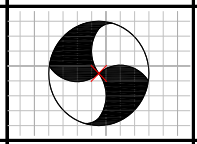
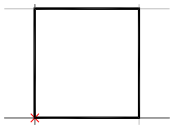
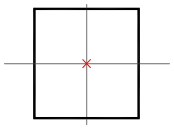
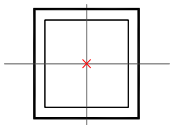
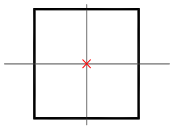
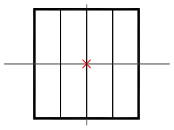
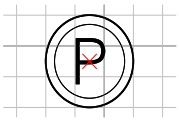
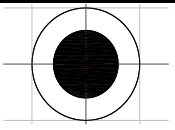
2.4 토목시설(Facilities) : CF

CF : 토목분야(C)+토목시설(F)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	기타	CFLABLE	CF-SYMB	SCALE	OOO대교 L=000.0M	토목시설 LABEL		
2		CFENTR1	CF-SYMB	SCALE		주 출입구		

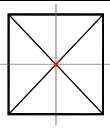
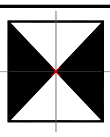
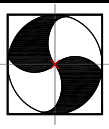
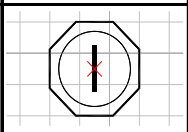
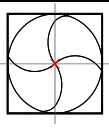
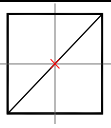
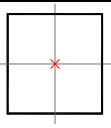
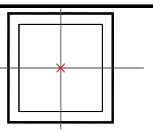
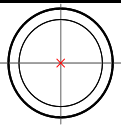
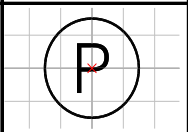
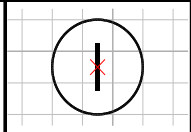
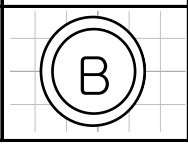
2.5 우배수공(Storm Drainage system) : CD

CD : 토목분야(C)+우배수공(D)

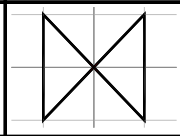
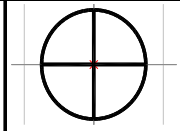
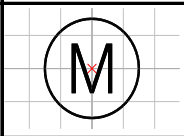
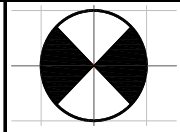
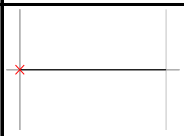
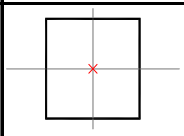
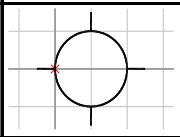
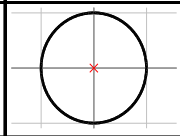
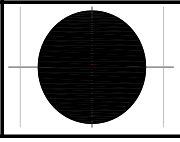
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	배수시설	CDXXXXX	CD-XXXX	SCALE		배수시설		
2		CDPLDRN	CD-IDRN-PMPS	SCALE		배수펌프장	B0014333	배수장
3	집수거(CF)	CDCBAS1	CD-DRAN-CHMB	SQUAR		집수거(다이크)	C0246345	하수맨홀
4	방수거	CDCBAS2	CD-DRAN-MANH	CENTER		방수거	C0246345	하수맨홀
5	배수맨홀	CDDMHRC	CD-DRAN-MANH	CENTER		집수정(COVERED, 각형)	C0246345	하수맨홀
6		CDDMHRO	CD-DRAN-MANH	CENTER		집수정(OPEN, 각형)	C0246345	하수맨홀
7		CDDMHRG	CD-DRAN-MANH	CENTER		집수정(스틸그레이팅,각형)	C0246345	하수맨홀
8	배수펌프	CDPMPXX	CD-IDRN-EQPM	SCALE		배수펌프		
9	지반배수	CDCPIT1	CD-DRAN-MANH	CENTER		지반배수 집수공		

2.6 상수도공(Water Supply system) : CW

CW : 토목분야(C)+상수도공(W)

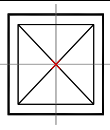
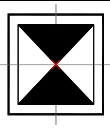
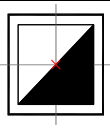
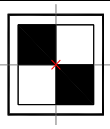
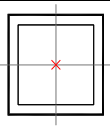
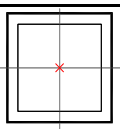
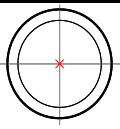
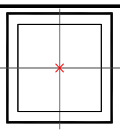
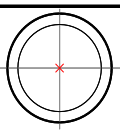
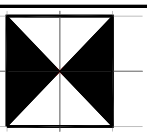
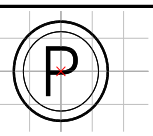
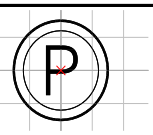
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	상수도시설	CWXXXXX	CW-XXXX	SCALE		상수도시설		
2		CWPPLNT	CW-PPNT	SCALE		정수장	B0014339	정수장
3		CWFPLNT	CW-FPNT	SCALE		가압(펌프)장		
4		CWTPLNT	CW-IPNT-TOWR	SCALE		취수탑	C0346223	취수탑
5		CWIPLNT	CW-IPNT	SCALE		취수(펌프)장	B0014334	취수장
6		CWDPLNT	CW-WATR	SCALE		배수지	B0014332	배수장
7	상수도 맨홀	CWWMHXX	CW-PUBC-MANH	CENTER		상수도맨홀	C0246346	상수맨홀
8		CWWMHRC	CW-WATR-MANH	CENTER		상수도맨홀(각형)	C0246346	상수맨홀
9		CWWMHCC	CW-WATR-MANH	CENTER		상수도맨홀(원형)	C0246346	상수맨홀
10	상수펌프	CWPMPXX	CW-PUBC-EQPM	SCALE		상수도펌프		
11		CWPMPIN	CW-INTK-EQPM	SCALE		취수펌프		
12		CWPMPBO	CW-WATR-PUMP	SCALE		가압펌프(BOOSTER PUMP)		

CW : 토목분야(C)+상수도공(W)

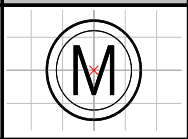
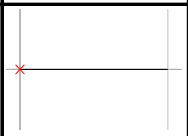
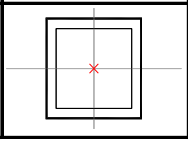
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	상수벨브	CWVALXX	CW-WATR-VALV	SCALE		상수도벨브(공통)		
14		CWVALQC	CW-WATR-VALV	SCALE		QC벨브		
15		CWMTXXX	CW-PUBC-EQPM	SCALE		측정/계량설비		
16		CWMTFLW	CW-WATR-VALV	SCALE		유량계		
17	관이음	CWFTXXX	CW-PUBC-FITG	SCALE		상수관로 이음/연결		
18	기타설비	CWMSXXX	CW-PUBC-EQPM	SCALE		기타상수설비		
19		CWMSFHY	CW-WATR-VALV	SCALE		소화전	C0256324	소화전
20		CWMSUPY	CW-WATR-VALV	SCALE		급수전		
21		CWMSCLR	CW-WATR-VALV	SCALE		WATER SPRING CILLER		

2.7 하수도공(Sewerage/Sanitary Sewer system) : CN

CW : 토목분야(C)+하수도공(N)

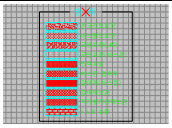
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	하수/오수시설	CNXXXXX	CN-XXXX	SCALE		하수/오수시설		
2		CNSPLNT	CN-SPNT	SCALE		하수처리시설	B0014341	하수종말처리장기호
3		CNNPLNT	CN-NPNT	SCALE		위생(분뇨)처리시설	B0014346	분뇨처리장기호
4		CNOPLNT	CN-SPNT	SCALE		차집시설		
5	하수도맨홀	CNXMHXX	CN-SEWR-MANH	CENTER		하수도맨홀	C0246345	하수맨홀
6		CNBMHRC	CN-COMB-MANH	CENTER		합류식맨홀(각형)	C0246345	하수맨홀
7		CNBMHCC	CN-COMB-MANH	CENTER		합류식맨홀(원형)	C0246345	하수맨홀
8		CNSMHRC	CN-SEWR-MANH	CENTER		하수도맨홀(각형)	C0246345	하수맨홀
9		CNSMHCC	CN-SEWR-MANH	CENTER		하수도맨홀(원형)	C0246345	하수맨홀
10	하수설비	CNSMHBP	CN-SEWR-MANH	CENTER		오수중계펌프맨홀	C0246345	하수맨홀
11	하수펌프	CNPMPXX	CN-□□□□-EQPM	SCALE		하수펌프		
12		CNPMPBO	CN-□□□□-EQPM	SCALE		중계펌프		

CW : 토목분야(C)+하수도공(N)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	측정설비	CNMTXXX	CN-□□□□-EQPM	SCALE		측정/계량설비		
14	관이음	CNFTXXX	CN-□□□□-EQPM	SCALE		하수관로 이음/연결		
15	기타설비	CNMSXXX	CN-□□□□-MISC	SCALE		기타하수설비		

2.8 포장공(Pavement) : CP

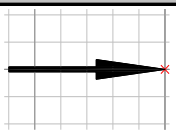
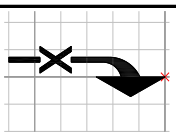
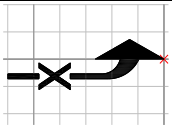
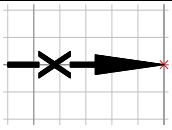
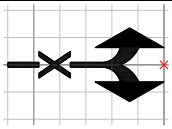
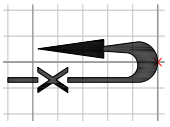
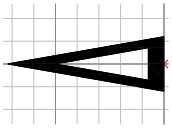
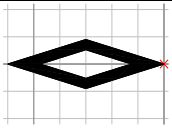
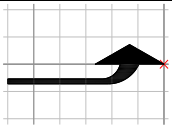
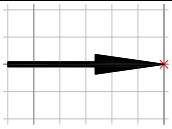
CP : 토목분야(C)+포장공(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	범례	CPLEGND	CP-SYMB	SCALE		포장해칭 범례		

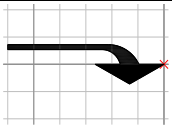
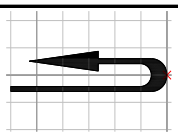
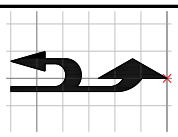
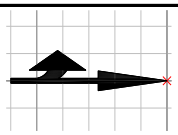
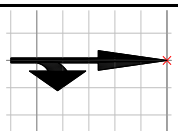
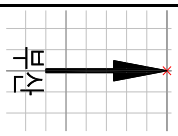
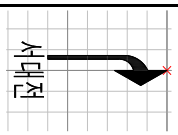
2.9 부대공(Miscellany) : CM

(1) 노면표시(규제 및 지시)

CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	노면표시(규제)	CMRM6XX	CM-RDMK	SCALE		6XX:노면표시		
2		CMRM606	CM-RDMK-MARK	SCALE		606:우회전 금지		
3		CMRM606-1	CM-RDMK-MARK	SCALE		606-1:좌회전 금지		
4		CMRM607	CM-RDMK-MARK	SCALE		607:직진 금지		
5		CMRM608	CM-RDMK-MARK	SCALE		608:좌.우회전 금지		
6		CMRM609	CM-RDMK-MARK	SCALE		609:유턴금지		
7		CMRM615	CM-RDMK-MARK	SCALE		615:양보		
8	노면표시(지시)	CMRM705	CM-RDMK-MARK	SCALE		705:횡단보도 예고		
9		CMRM709-1	CM-RDMK-MARK	SCALE		709-1:자전거전용도로		
10		CMRM711-1	CM-RDMK-MARK	SCALE		711-1:좌회전		
11		CMRM711-2	CM-RDMK-MARK	SCALE		711-2:직진		

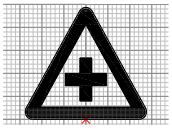
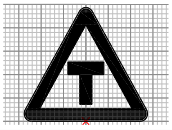
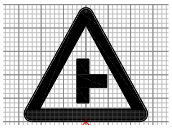
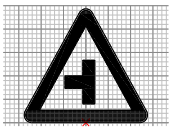
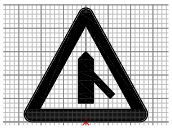
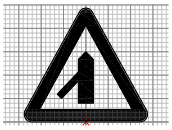
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	노면표시(지시)	CMRM711-3	CM-RDMK-MARK	SCALE		711-3:우회전		
13		CMRM712-1	CM-RDMK-MARK	SCALE		712-1:유턴		
14		CMRM712-2	CM-RDMK-MARK	SCALE		712-2:유턴 및 좌회전		
15		CMRM712-3	CM-RDMK-MARK	SCALE		712-3:직진 및 좌회전		
16		CMRM712-4	CM-RDMK-MARK	SCALE		712-4:직진 및 우회전		
17		CMRM713	CM-RDMK-MARK	SCALE		713:직진 방면		
18		CMRM713-1	CM-RDMK-MARK	SCALE		713-1:우회전 방면		
19		CMRM713-2	CM-RDMK-MARK	SCALE		713-2:좌회전 방면(비보호)		

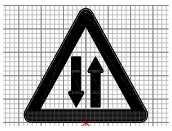
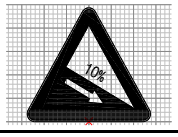
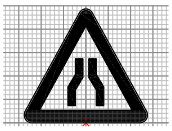
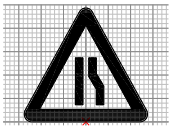
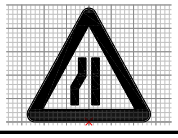
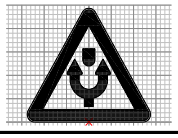
2.9 부대공(Miscellany) : CM

(2) 교통표지판(주의 및 규제)

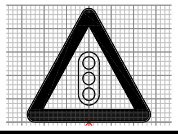
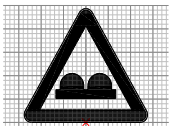
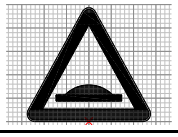
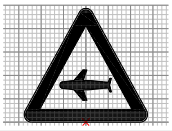
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	교통표지판(주의)	CMRS1XX	CM-RDSB	SCALE		1XX:교통표시판(주의)		
2		CMRS101	CM-RDSB	SCALE		101:+십자형 교차로		
3		CMRS101-1	CM-RDSB	SCALE		101-1:T자형 교차로		
4		CMRS101-2	CM-RDSB	SCALE		101-2:Y자형 교차로		
5		CMRS101-3	CM-RDSB	SCALE		101-3:ㅏ자형 교차로		
6		CMRS101-4	CM-RDSB	SCALE		101-4:ㅓ자형 교차로		
7		CMRS102	CM-RDSB	SCALE		102:우선도로		
8		CMRS103	CM-RDSB	SCALE		103:우합류 도로		
9		CMRS103-1	CM-RDSB	SCALE		103-1:좌합류 도로		
10		CMRS104	CM-RDSB	SCALE		104:회전형 교차로		
11		CMRS105	CM-RDSB	SCALE		105:철길 건널목		

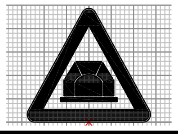
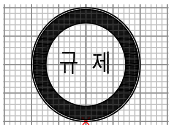
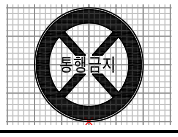
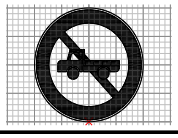
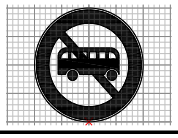
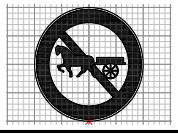
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	교통표지판(주의)	CMRS106	CM-RDSB	SCALE		106:우로 굽은도로		
13		CMRS106-1	CM-RDSB	SCALE		106-1:좌로 굽은도로		
14		CMRS107	CM-RDSB	SCALE		107:우좌로 이중굽은도로		
15		CMRS107-1	CM-RDSB	SCALE		107-1:좌우로 이중굽은도로		
16		CMRS108	CM-RDSB	SCALE		108:2방향통행		
17		CMRS109	CM-RDSB	SCALE		109:오르막 경사		
18		CMRS109-1	CM-RDSB	SCALE		109-1:내리막 경사		
19		CMRS110	CM-RDSB	SCALE		110:도로폭이 좁아짐		
20		CMRS110-1	CM-RDSB	SCALE		110-1:우측차로 없어짐		
21		CMRS110-2	CM-RDSB	SCALE		110-2:좌측차로 없어짐		
22		CMRS111	CM-RDSB	SCALE		111:우측방 통행		
23		CMRS112	CM-RDSB	SCALE		112:양측방 통행		
24		CMRS113	CM-RDSB	SCALE		113:중앙분리대 시작		

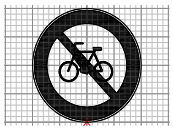
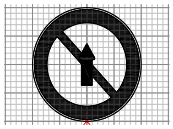
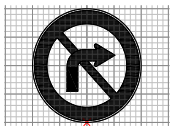
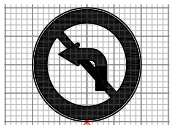
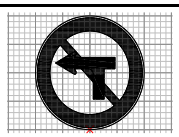
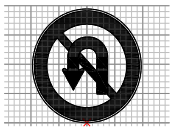
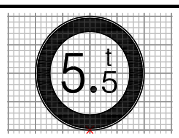
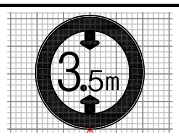
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	교통표지판(주의)	CMRS113-1	CM-RDSB	SCALE		113-1:중앙분리대 끝남		
26		CMRS114	CM-RDSB	SCALE		114:신호기		
27		CMRS115	CM-RDSB	SCALE		115:미끄러운 도로		
28		CMRS116	CM-RDSB	SCALE		116:강변도로		
29		CMRS117	CM-RDSB	SCALE		117:노면고르지 못함		
30		CMRS117-1	CM-RDSB	SCALE		117-1:과속방지턱		
31		CMRS118	CM-RDSB	SCALE		118:낙석도로		
32		CMRS119	CM-RDSB	SCALE		119:고임물 튐		
33		CMRS120	CM-RDSB	SCALE		120:횡단보도		
34		CMRS121	CM-RDSB	SCALE		121:어린이보호		
35		CMRS122	CM-RDSB	SCALE		122:자전거		
36		CMRS123	CM-RDSB	SCALE		123:도로공사중		
37		CMRS124	CM-RDSB	SCALE		124:비행기		

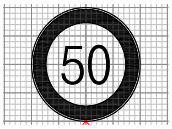
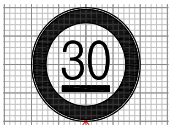
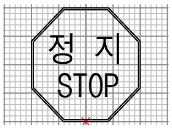
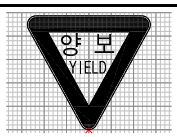
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	교통표지판(주의)	CMRS125	CM-RDSB	SCALE		125:횡풍		
39		CMRS126	CM-RDSB	SCALE		126:터널		
40		CMRS127	CM-RDSB	SCALE		127:야생동물보호		
41		CMRS128	CM-RDSB	SCALE		128:위험		
42	교통표지판(규제)	CMRS2XX	CM-RDSB	SCALE		2XX:교통표지판(규제)		
43		CMRS201	CM-RDSB	SCALE		201:통행금지		
44		CMRS202	CM-RDSB	SCALE		202:승용자동차 통행금지		
45		CMRS203	CM-RDSB	SCALE		203:화물자동차 통행금지		
46		CMRS204	CM-RDSB	SCALE		204:승합자동차 통행금지		
47		CMRS205	CM-RDSB	SCALE		205:2륜자동차 통행금지		
48		CMRS206	CM-RDSB	SCALE		206:승용자동차등 통행금지		
49		CMRS206-1	CM-RDSB	SCALE		206-1:트렉터등 통행금지		
50		CMRS207	CM-RDSB	SCALE		207:우마차 통행금지		

CM : 토목분야(C)+부대공(M)

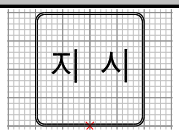
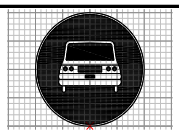
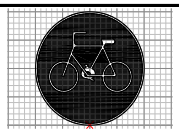
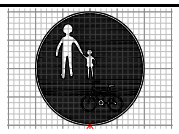
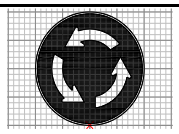
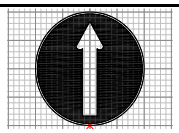
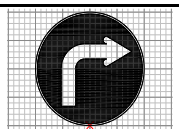
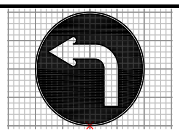
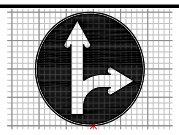
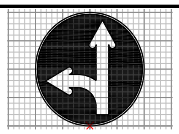
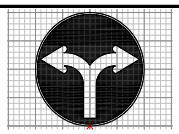
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
51	교통표지판(규제)	CMRS208	CM-RDSB	SCALE		208:손수레 통행금지		
52		CMRS209	CM-RDSB	SCALE		209:자전거 통행금지		
53		CMRS210	CM-RDSB	SCALE		210:진입금지		
54		CMRS210-1	CM-RDSB	SCALE		210-1:직진금지		
55		CMRS211	CM-RDSB	SCALE		211:우회전금지		
56		CMRS211-1	CM-RDSB	SCALE		211-1:좌회전금지		
57		CMRS212	CM-RDSB	SCALE		212:횡단금지		
58		CMRS212-1	CM-RDSB	SCALE		212-1:유턴금지		
59		CMRS213	CM-RDSB	SCALE		213:앞지르기금지		
60		CMRS214	CM-RDSB	SCALE		214:정차.주차금지		
61		CMRS215	CM-RDSB	SCALE		215:주차금지		
62		CMRS216	CM-RDSB	SCALE		216:차중량제한		
63		CMRS217	CM-RDSB	SCALE		217:차높이제한		

CM : 토목분야(C)+부대공(M)

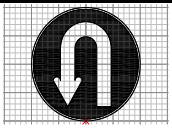
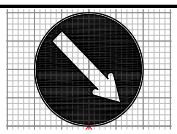
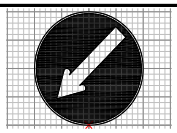
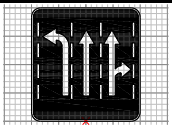
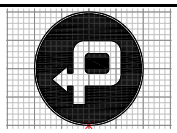
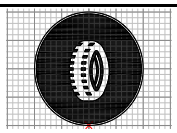
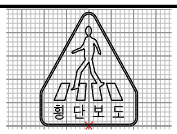
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
64	교통표지판(규제)	CMRS218	CM-RDSB	SCALE		218:차폭제한		
65		CMRS219	CM-RDSB	SCALE		219:차간거리확보		
66		CMRS220	CM-RDSB	SCALE		220:최고속도제한		
67		CMRS221	CM-RDSB	SCALE		221:최저속도제한		
68		CMRS223	CM-RDSB	SCALE		223:서행		
69		CMRS224	CM-RDSB	SCALE		224:일시정지		
70		CMRS225	CM-RDSB	SCALE		225:양보		
71		CMRS226	CM-RDSB	SCALE		226:보행자 횡단금지		
72		CMRS226-1	CM-RDSB	SCALE		226-1:보행자 보행금지		
73		CMRS227	CM-RDSB	SCALE		227:위험물 적재차량 통행금지		

2.9 부대공(Miscellany) : CM
(3) 교통표지판(지시 및 보조 등)

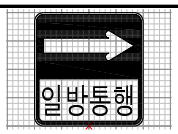
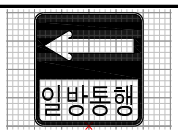
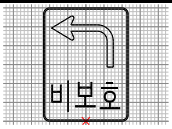
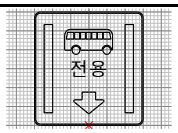
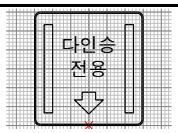
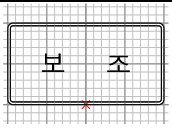
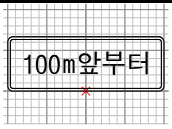
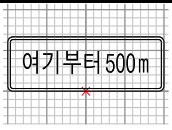
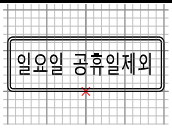
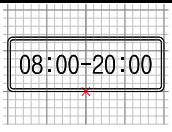
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	교통표지판(지시)	CMRS3XX	CM-RDSB	SCALE		3XX:교통표지판(지시)		
2		CMRS301	CM-RDSB	SCALE		301:자동차 전용도로		
3		CMRS302	CM-RDSB	SCALE		302:자전거 전용도로		
4		CMRS302-1	CM-RDSB	SCALE		302-1:자전거 및 보행자 겸용도로		
5		CMRS303	CM-RDSB	SCALE		303:회전교차로		
6		CMRS304	CM-RDSB	SCALE		304:직진		
7		CMRS305	CM-RDSB	SCALE		305:우회전		
8		CMRS305-1	CM-RDSB	SCALE		305-1:좌회전		
9		CMRS306	CM-RDSB	SCALE		306:직진 및 우회전		
10		CMRS306-1	CM-RDSB	SCALE		306-1:직진 및 좌회전		
11		CMRS307	CM-RDSB	SCALE		307:좌우회전		

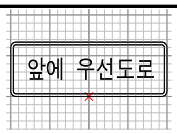
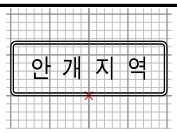
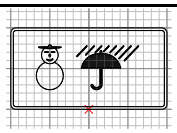
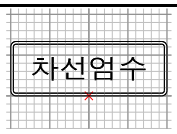
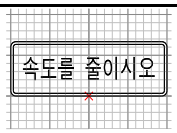
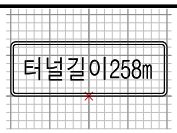
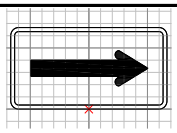
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	교통표지판(지시)	CMRS308	CM-RDSB	SCALE		308:유턴		
13		CMRS309	CM-RDSB	SCALE		309:양측방 통행		
14		CMRS310	CM-RDSB	SCALE		310:우측면 통행		
15		CMRS310-1	CM-RDSB	SCALE		310-1:좌측면 통행		
16		CMRS310-2	CM-RDSB	SCALE		310-2:진행방향별 통행구분		
17		CMRS310-3	CM-RDSB	SCALE		310-3:우회로		
18		CMRS312	CM-RDSB	SCALE		312:스노우 타이어나 체인사용		
19		CMRS313	CM-RDSB	SCALE		313:안전지대		
20		CMRS314	CM-RDSB	SCALE		314:주차장		
21		CMRS314-1	CM-RDSB	SCALE		314-1:자전거 주차장		
22		CMRS315	CM-RDSB	SCALE		315:보행자 전용도로		
23		CMRS316	CM-RDSB	SCALE		316:횡단보도		
24		CMRS317	CM-RDSB	SCALE		317:어린이보호		

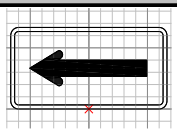
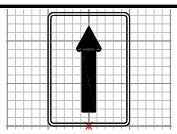
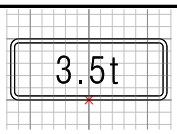
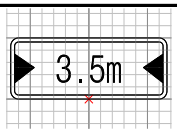
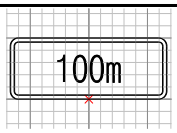
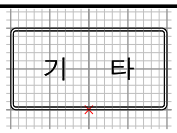
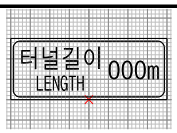
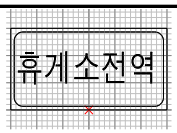
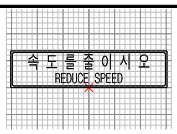
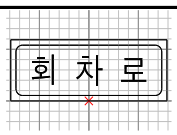
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	교통표지판(지시)	CMRS318	CM-RDSB	SCALE		318:자전거횡단도		
26		CMRS319	CM-RDSB	SCALE		319:일방통행(우측길)		
27		CMRS319-1	CM-RDSB	SCALE		319-1:일방통행(좌측길)		
28		CMRS319-2	CM-RDSB	SCALE		319-2:일방통행(직진길)		
29		CMRS320	CM-RDSB	SCALE		320:비보호 좌회전		
30		CMRS321	CM-RDSB	SCALE		321:버스전용차로		
31		CMRS322	CM-RDSB	SCALE		322:다인승차량 전용차로		
32	교통표지판(보조)	CMRS5XX	CM-RDSB	SCALE		5XX:교통표지판(보조)		
33		CMRS501	CM-RDSB	SCALE		501:거리(앞부터)		
34		CMRS501-1	CM-RDSB	SCALE		501-1:거리(여기부터)		
35		CMRS502	CM-RDSB	SCALE		502:구역		
36		CMRS503	CM-RDSB	SCALE		503:일자		
37		CMRS504	CM-RDSB	SCALE		504:시간		

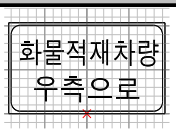
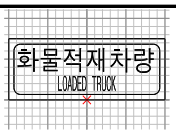
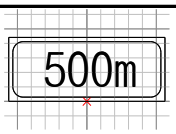
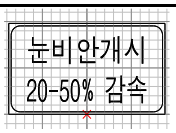
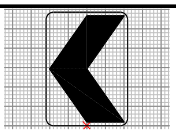
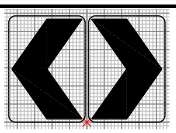
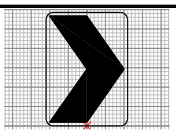
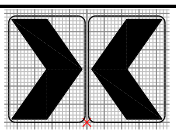
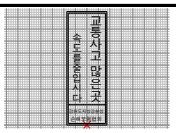
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	교통표지판(보조)	CMRS505	CM-RDSB	SCALE		505:시간		
39		CMRS506	CM-RDSB	SCALE		506:전방우선도로		
40		CMRS507	CM-RDSB	SCALE		507:안전속도		
41		CMRS508	CM-RDSB	SCALE		508:기상상태		
42		CMRS509	CM-RDSB	SCALE		509:노면상태		
43		CMRS510	CM-RDSB	SCALE		510:교통규제		
44		CMRS511	CM-RDSB	SCALE		511:통행규제		
45		CMRS512	CM-RDSB	SCALE		512:통행주의		
46		CMRS513	CM-RDSB	SCALE		513:표지설명		
47		CMRS514	CM-RDSB	SCALE		514:구간시작		
48		CMRS514-1	CM-RDSB	SCALE		514-1:구간내		
49		CMRS514-2	CM-RDSB	SCALE		514-2:구간끝		
50		CMRS515	CM-RDSB	SCALE		515:우방향		

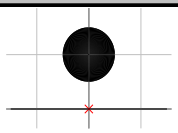
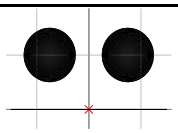
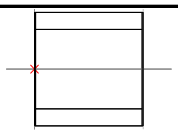
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
51	교통표지판(보조)	CMRS515-1	CM-RDSB	SCALE		515-1:좌방향		
52		CMRS515-2	CM-RDSB	SCALE		515-2:전방		
53		CMRS516	CM-RDSB	SCALE		516:중량		
54		CMRS517	CM-RDSB	SCALE		517:노폭		
55		CMRS518	CM-RDSB	SCALE		518:거리		
56		CMRS519	CM-RDSB	SCALE		519:해제		
57		CMRS520	CM-RDSB	SCALE		520:견인지역		
58		CMRS521	CM-RDSB	SCALE		521:어린이보호구역		
59	교통표지판(기타)	CMRS9XX	CM-RDSB	SCALE		9XX:교통표지판(기타)		
60		CMRS901	CM-RDSB	SCALE		901:터널길이		
61		CMRS902	CM-RDSB	SCALE		902:구역		
62		CMRS903	CM-RDSB	SCALE		903:속도를줄이시오		
63		CMRS904	CM-RDSB	SCALE		904:회차로		

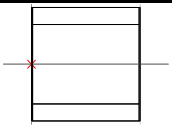
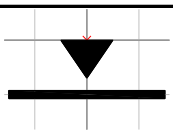
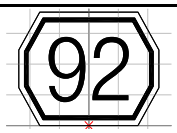
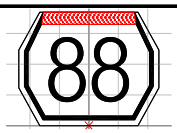
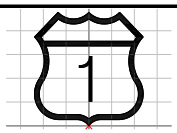
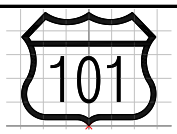
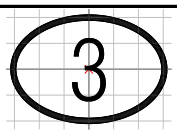
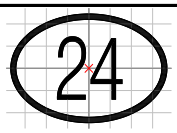
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
64	교통표지판(기타)	CMRS905	CM-RDSB	SCALE		905:화물적재차량		
65		CMRS906	CM-RDSB	SCALE		906:화물적재차량		
66		CMRS907	CM-RDSB	SCALE		907:거리		
67		CMRS908	CM-RDSB	SCALE		908:라이트를켜시오		
68		CMRS909	CM-RDSB	SCALE		909:버리지마시오		
69		CMRS910	CM-RDSB	SCALE		910:담뱃불조심		
70		CMRS911	CM-RDSB	SCALE		911:급경사감속		
71		CMRS912	CM-RDSB	SCALE		912:이상기후감속		
72		CMRS913	CM-RDSB	SCALE		913:곡선유도(갈매기표지)		
73		CMRS913-1	CM-RDSB	SCALE		913-1:방향유도(노즈부분리)		
74		CMRS914	CM-RDSB	SCALE		914:곡선유도(갈매기표지)		
75		CMRS914-1	CM-RDSB	SCALE		914-1:방향유도(곡선부양방향)		
76		CMRS915	CM-RDSB	SCALE		915:교통계몽		

CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
77	표지판지주	CMRSPOS	CM-SYMB	SCALE		단주식	C0413422	안내표지
							C0413423	지시표지
							C0413424	규제표지
							C0413425	주의표지
							C0413426	광고판
78		CMRSPOD	CM-SYMB	SCALE		복주식	C0413422	안내표지
							C0413423	지시표지
							C0413424	규제표지
							C0413425	주의표지
							C0413426	광고판
79		CMRSPOG	CM-SYMB	SQUAR		문형식	C0413422	안내표지
							C0413423	지시표지
							C0413424	규제표지

CM : 토목분야(C)+부대공(M)

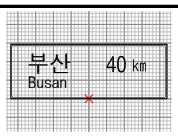
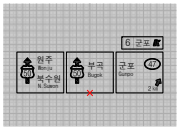
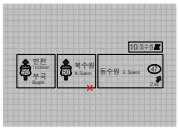
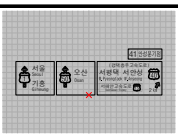
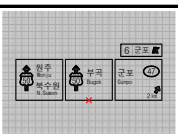
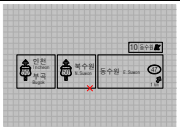
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
79	표지판지주	CMRSPOG	CM-SYMB	SQUAR		문형식	C0413425	주의표지
							C0413426	광고판
80		CMRSPOK	CM-SYMB	SCALE		부착식	C0413422	안내표지
							C0413423	지시표지
							C0413424	규제표지
							C0413425	주의표지
							C0413426	광고판
81	도로번호	CMRGUNT-CN01	CM-RDGS	SCALE		시도번호(일반도로)	A0013435	시도
82		CMRGUNT-CN02	CM-RDGS	SCALE		시도번호(자동차전용도로)	A0013435	시도
83		CMRGUNT-HN01	CM-RDGS	SCALE		노선번호(고속국도1)	A0013431	고속국도기호
84		CMRGUNT-HN02	CM-RDGS	SCALE		노선번호(고속국도2)	A0013431	고속국도기호
85		CMRGUNT-NN01	CM-RDGS	SCALE		노선번호(국도1)	A0013432	일반국도기호
86		CMRGUNT-NN02	CM-RDGS	SCALE		노선번호(국도2)	A0013432	일반국도기호

CM : 토목분야(C)+부대공(M)

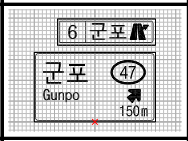
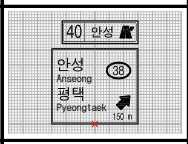
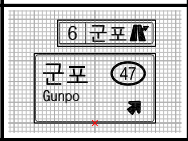
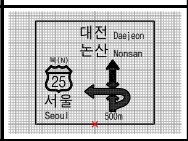
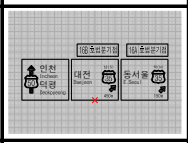
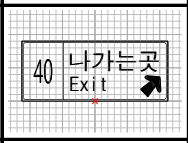
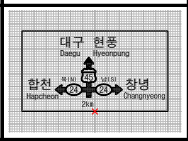
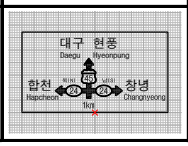
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
87	도로번호	CMRGUNT-PN01	CM-RDGS	SCALE		노선번호(지방도1)	A0013433	지방도 기호
88		CMRGUNT-PN02	CM-RDGS	SCALE		노선번호(지방도2)	A0013433	지방도 기호

2.9 부대공(Miscellany) : CM
(4) 안내표지판(고속국도)

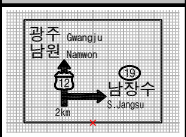
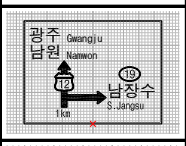
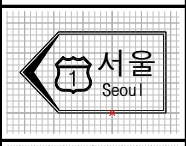
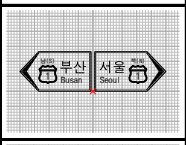
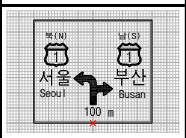
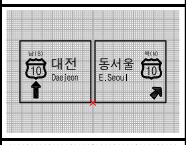
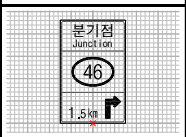
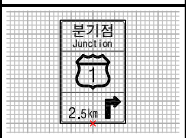
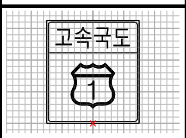
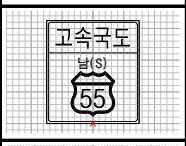
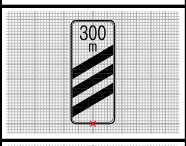
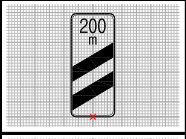
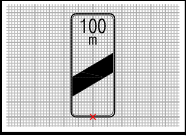
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	안내표지판 (고속국도)	CMRG420	CM-RDGS	SCALE		420:도계		
2		CMRG421-1	CM-RDGS	SCALE		421-1:1지명이정		
3		CMRG421-2	CM-RDGS	SCALE		421-2:2지명이정		
4		CMRG421-3	CM-RDGS	SCALE		421-3:3지명이정		
5		CMRG422-1A	CM-RDGS	SCALE		422-1A:1차출구예고(2방향)		
6		CMRG422-1B	CM-RDGS	SCALE		422-1B:1차출구예고(2방향)		
7		CMRG422-1C	CM-RDGS	SCALE		422-1C:1차출구예고(2방향)		
8		CMRG422-1D	CM-RDGS	SCALE		422-1D:1차출구예고(2방향)		
9		CMRG422-2A	CM-RDGS	SCALE		422-2:2차출구예고(2방향)		
10		CMRG422-2B	CM-RDGS	SCALE		422-2B:1차출구예고(2방향)		
11		CMRG422-2C	CM-RDGS	SCALE		422-2C:1차출구예고(2방향)		

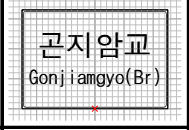
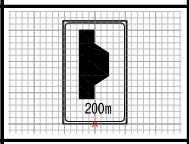
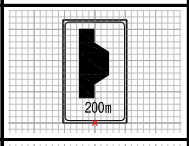
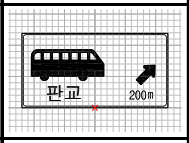
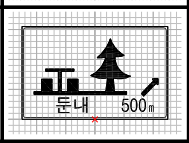
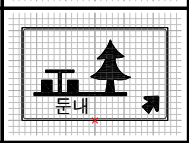
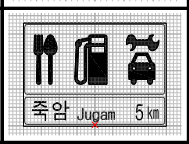
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	안내표지판(고속국도)	CMRG422-2D	CM-RDGS	SCALE		422-2D:1차출구예고(2방향)		
13		CMRG422-3	CM-RDGS	SCALE		422-3:출구점예고(1지명)		
14		CMRG422-4	CM-RDGS	SCALE		422-4:출구점예고(2지명)		
15		CMRG422-5	CM-RDGS	SCALE		422-5:출구점(1지명)		
16		CMRG422-6	CM-RDGS	SCALE		422-6:출구점(2지명)		
17		CMRG422-7	CM-RDGS	SCALE		422-7:3차출구예고(2방향)		
18		CMRG423-1	CM-RDGS	SCALE		423-1:1차출구예고(3방향)		
19		CMRG423-2	CM-RDGS	SCALE		423-2:2차출구예고(3방향)		
20		CMRG423-3	CM-RDGS	SCALE		423-3:3차출구예고		
21		CMRG423-4	CM-RDGS	SCALE		423-4:출구점예고(3방향)		
22		CMRG423-5	CM-RDGS	SCALE		423-5:나가는곳		
23		CMRG424-1	CM-RDGS	SCALE		424-1:3차방향1차예고(평면교차로)		
24		CMRG424-2	CM-RDGS	SCALE		424-2:3차방향2차예고(평면교차로)		

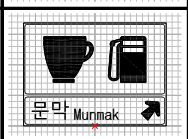
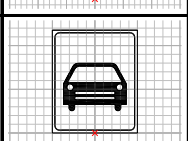
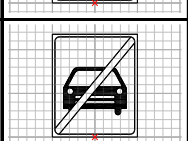
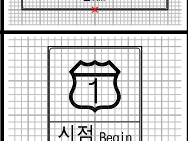
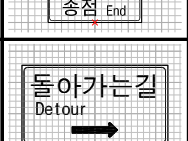
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	안내표지판(고속국도)	CMRG424-3	CM-RDGS	SCALE		424-3:2방향1차예고(평면교차로)		
26		CMRG424-4	CM-RDGS	SCALE		424-4:2방향2차예고(평면교차로)		
27		CMRG425-1	CM-RDGS	SCALE		425-1:방향(1방향)		
28		CMRG425-2	CM-RDGS	SCALE		425-2:방향(2방향)		
29		CMRG425-3	CM-RDGS	SCALE		425-3:방향		
30		CMRG425-4	CM-RDGS	SCALE		425-4:방향(편지식,T자형)		
31		CMRG426-1A	CM-RDGS	SCALE		426-1A:분기점		
32		CMRG426-1B	CM-RDGS	SCALE		426-1B:분기점		
33		CMRG426-2A	CM-RDGS	SCALE		426-2A:노선		
34		CMRG426-2B	CM-RDGS	SCALE		426-2B:노선		
35		CMRG426-3A	CM-RDGS	SCALE		426-3A:출구감속유도(300M)		
36		CMRG426-3B	CM-RDGS	SCALE		426-3B:출구감속유도(200M)		
37		CMRG426-3C	CM-RDGS	SCALE		426-3C:출구감속유도(100M)		

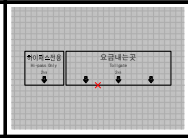
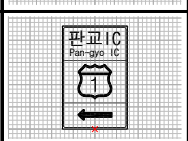
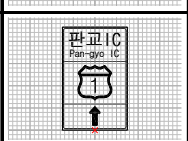
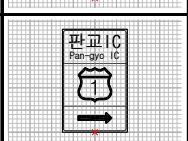
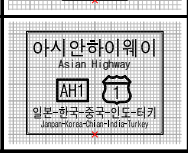
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	안내표지판(고속국도)	CMRG427-1	CM-RDGS	SCALE		427-1:하천		
39		CMRG427-2	CM-RDGS	SCALE		427-2:교량		
40		CMRG427-3	CM-RDGS	SCALE		427-3:터널		
41		CMRG427-4	CM-RDGS	SCALE		427-4:비상주차장		
42		CMRG427-5	CM-RDGS	SCALE		427-5:정류장		
43		CMRG427-6A	CM-RDGS	SCALE		427-6A:도로관리기관		
44		CMRG427-6B	CM-RDGS	SCALE		427-6B:도로관리기관		
45		CMRG427-7	CM-RDGS	SCALE		427-7:긴급제동시설		
46		CMRG428-1	CM-RDGS	SCALE		428-1:소풍휴게소 예고		
47		CMRG428-2	CM-RDGS	SCALE		428-2:소풍휴게소 진입		
48		CMRG428-3	CM-RDGS	SCALE		428-3:종합휴게소1차예고		
49		CMRG428-4	CM-RDGS	SCALE		428-4:종합휴게소2차예고		
50		CMRG428-5	CM-RDGS	SCALE		428-5:종합휴게소3차예고		

CM : 토목분야(C)+부대공(M)

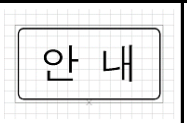
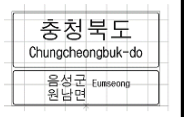
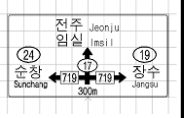
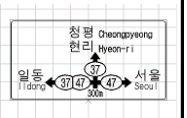
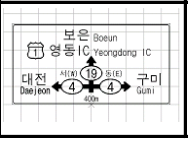
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
51	안내표지판(고속국도)	CMRG428-6	CM-RDGS	SCALE		428-6:종합휴게소 진입		
52		CMRG428-7	CM-RDGS	SCALE		428-7:종합휴게소		
53		CMRG428-8	CM-RDGS	SCALE		428-8:간이매점예고		
54		CMRG429	CM-RDGS	SCALE		429:긴급신고		
55		CMRG430-1	CM-RDGS	SCALE		430-1:자동차전용도로		
56		CMRG430-2	CM-RDGS	SCALE		430-2:자동차전용도로해제		
57		CMRG430-3	CM-RDGS	SCALE		430-3:자동차전용도로끝		
58		CMRG430-4	CM-RDGS	SCALE		430-4:고속국도종점예고		
59		CMRG431-1	CM-RDGS	SCALE		431-1:고속국도시점(노선)		
60		CMRG431-2	CM-RDGS	SCALE		431-2:고속국도종점(노선)		
61		CMRG432	CM-RDGS	SCALE		432:돌아가는길		
62		CMRG433-1	CM-RDGS	SCALE		433-1:매표소예고		
63		CMRG433-2	CM-RDGS	SCALE		433-2:매표소예고		

CM : 토목분야(C)+부대공(M)

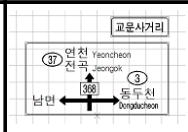
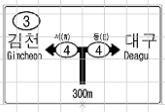
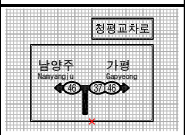
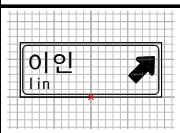
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
64	안내표지판(고속국도)	CMRG433-3	CM-RDGS	SCALE		433-3:자동요금징수차로예고		
65		CMRG434-1	CM-RDGS	SCALE		434-1:오르막차로예고		
66		CMRG434-2	CM-RDGS	SCALE		434-2:오르막차로		
67		CMRG434-3	CM-RDGS	SCALE		434-3:오르막차로끝		
68		CMRG435-1	CM-RDGS	SCALE		435-1:고속국도유도(좌측)		
69		CMRG435-2	CM-RDGS	SCALE		435-2:고속국도유도(직진)		
70		CMRG435-3	CM-RDGS	SCALE		435-3:고속국도유도(우측)		
71		CMRG436	CM-RDGS	SCALE		436:아시안하이웨이안내		

2.9 부대공(Miscellany) : CM
(5) 안내표지판(국도)

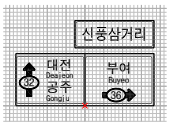
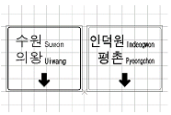
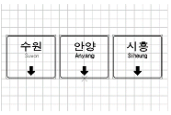
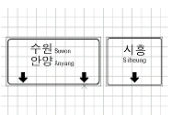
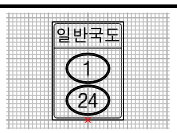
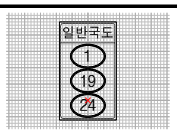
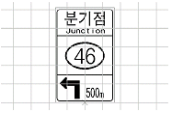
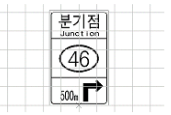
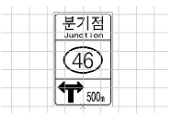
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	안내표지판(국도)	CMRG4XX	CM-RDGS	SCALE		4XX:안내표지판		
2		CMRG401-1	CM-RDGS	SCALE		401-1:면계		
3		CMRG401-2	CM-RDGS	SCALE		401-2:군계		
4		CMRG401-3	CM-RDGS	SCALE		401-3:도계		
5		CMRG402-1	CM-RDGS	SCALE		402-1:1지명이정		
6		CMRG402-2	CM-RDGS	SCALE		402-2:2지명이정		
7		CMRG402-3	CM-RDGS	SCALE		402-3:3지명이정		
8		CMRG402-4	CM-RDGS	SCALE		402-4:좌우이정		
9		CMRG403-1A	CM-RDGS	SCALE		403-1A:3방향예고A		
10		CMRG403-1B	CM-RDGS	SCALE		403-1B:3방향예고B		
11		CMRG403-1C	CM-RDGS	SCALE		403-1C:3방향예고C		

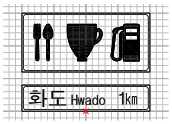
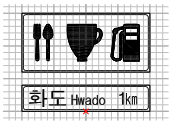
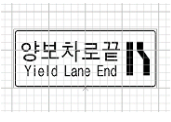
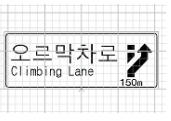
CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	안내표지판(국도)	CMRG403-2	CM-RDGS	SCALE		403-2:3방향		
13		CMRG403-3A	CM-RDGS	SCALE		403-3A:2방향예고A		
14		CMRG403-3B	CM-RDGS	SCALE		403-3B:2방향예고B		
15		CMRG403-3C	CM-RDGS	SCALE		403-3C:2방향예고C		
16		CMRG403-4	CM-RDGS	SCALE		403-4:2방향		
17		CMRG403-5	CM-RDGS	SCALE		403-5:2방향예고		
18		CMRG403-6	CM-RDGS	SCALE		403-6:2방향		
19		CMRG403-7A	CM-RDGS	SCALE		403-7A:1지명방향A		
20		CMRG403-7B	CM-RDGS	SCALE		403-7B:1지명방향B		
21		CMRG403-8A	CM-RDGS	SCALE		403-8A:2지명방향A		
22		CMRG403-8B	CM-RDGS	SCALE		403-8B:2지명방향B		
23		CMRG403-9	CM-RDGS	SCALE		403-9:2지명방향		
24		CMRG403-10	CM-RDGS	SCALE		403-10:3방향		

CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	안내표지판(국도)	CMRG403-11	CM-RDGS	SCALE		403-11:2방향		
26		CMRG403-12	CM-RDGS	SCALE		403-12:약식3방향		
27		CMRG403-13	CM-RDGS	SCALE		403-13:약식2방향		
28		CMRG403-14	CM-RDGS	SCALE		403-14:2지명차로 지정		
29		CMRG403-15	CM-RDGS	SCALE		403-15:1지명차로 지정		
30		CMRG403-16	CM-RDGS	SCALE		403-16:광폭차로지정		
31		CMRG404-1A	CM-RDGS	SCALE		404-1A:단일노선		
32		CMRG404-1B	CM-RDGS	SCALE		404-1B:단일노선		
33		CMRG404-2A	CM-RDGS	SCALE		404-2A:중복노선A		
34		CMRG404-2B	CM-RDGS	SCALE		404-2B:중복노선B		
35		CMRG404-3A	CM-RDGS	SCALE		404-3A:분기점		
36		CMRG404-3B	CM-RDGS	SCALE		404-3B:분기점		
37		CMRG404-3C	CM-RDGS	SCALE		404-3C:분기점		

CM : 토목분야(C)+부대공(M)

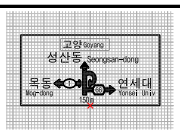
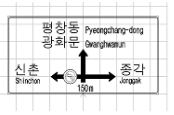
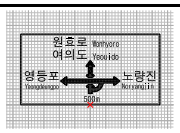
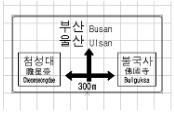
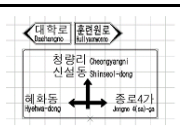
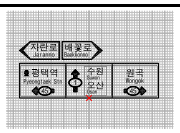
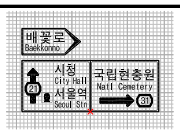
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	안내표지판(국도)	CMRG405-1	CM-RDGS	SCALE		405-1:소형휴게소		
39		CMRG405-2	CM-RDGS	SCALE		405-2:중형휴게소		
40		CMRG405-3	CM-RDGS	SCALE		405-3:대형휴게소		
41		CMRG406	CM-RDGS	SCALE		406:관광지		
42		CMRG407-1	CM-RDGS	SCALE		407-1:양보차로예고		
43		CMRG407-2	CM-RDGS	SCALE		407-2:양보차로표지		
44		CMRG407-3	CM-RDGS	SCALE		407-3:양보차로끝		
45		CMRG407-4	CM-RDGS	SCALE		407-4:오르막차로예고		
46		CMRG407-5	CM-RDGS	SCALE		407-5:오르막차로표지		
47		CMRG407-6	CM-RDGS	SCALE		407-6:오르막차로끝		
48		CMRG408	CM-RDGS	SCALE		408:시설유도		
49		CMRG409-1	CM-RDGS	SCALE		409-1:자동차전용도로 예고		
50		CMRG409-2	CM-RDGS	SCALE		409-2:자동차전용도로 예고		

CM : 토목분야(C)+부대공(M)

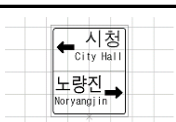
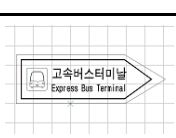
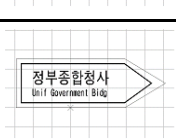
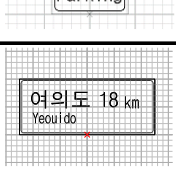
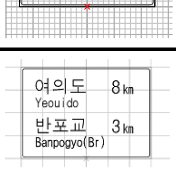
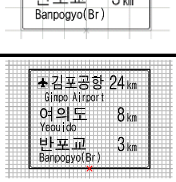
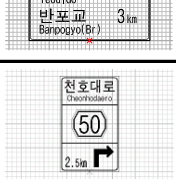
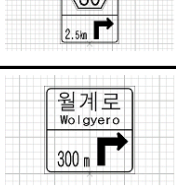
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
51	안내표지판(국도)	CMRG409-3	CM-RDGS	SCALE		409-3:자동차전용도로 예고		

2.9 부대공(Miscellany) : CM
(6) 안내표지판(시내)

CM : 토목분야(C)+부대공(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	안내표지판(시내)	CMRG410-1A	CM-RDGS	SCALE		410-1A:3방향예고A		
2		CMRG410-1B	CM-RDGS	SCALE		410-1B:3방향예고B		
3		CMRG410-1C	CM-RDGS	SCALE		410-1C:3방향예고C		
4		CMRG410-1D	CM-RDGS	SCALE		410-1D:3방향예고D		
5		CMRG410-1E	CM-RDGS	SCALE		410-1E:3방향예고E		
6		CMRG410-2A	CM-RDGS	SCALE		410-2A:3방향A		
7		CMRG410-2B	CM-RDGS	SCALE		410-2B:3방향B		
8		CMRG410-2C	CM-RDGS	SCALE		410-2C:3방향C		
9		CMRG410-3	CM-RDGS	SCALE		410-3:2방향예고		
10		CMRG410-4	CM-RDGS	SCALE		410-4:2방향		
11		CMRG410-5A	CM-RDGS	SCALE		410-5A:2방향A		

CM : 토목분야(C)+부대공(M)

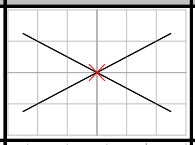
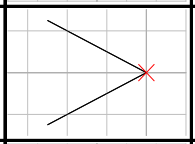
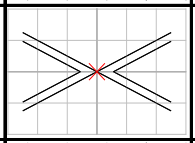
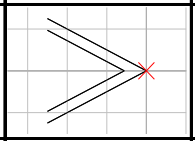
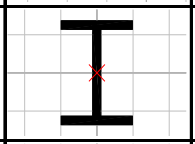
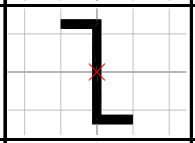
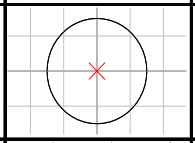
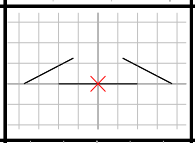
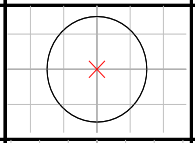
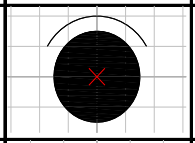
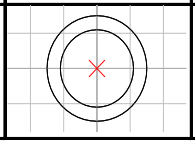
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	안내표지판(시내)	CMRG410-5B	CM-RDGS	SCALE		410-5B:2방향B		
13		CMRG410-5C	CM-RDGS	SCALE		410-5C:2방향C		
14		CMRG410-5D	CM-RDGS	SCALE		410-5D:2방향D		
15		CMRG410-6	CM-RDGS	SCALE		410-6:방향		
16		CMRG411-1	CM-RDGS	SCALE		411-1:보행인		
17		CMRG411-2	CM-RDGS	SCALE		411-2:보행인2		
18		CMRG412-1	CM-RDGS	SCALE		412-1:주차장예고		
19		CMRG412-2	CM-RDGS	SCALE		412-2:주차장		
20		CMRG413-1	CM-RDGS	SCALE		413-1:1지명이정		
21		CMRG413-2	CM-RDGS	SCALE		413-2:2지명이정		
22		CMRG413-3	CM-RDGS	SCALE		413-3:3지명이정		
23		CMRG414-1	CM-RDGS	SCALE		414-1:분기점		
24		CMRG414-2	CM-RDGS	SCALE		414-2:분기점		

CM : 토목분야(C)+부대공(M)

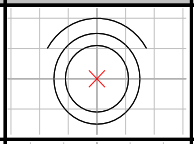
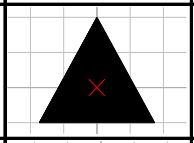
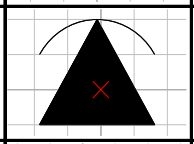
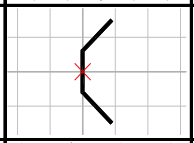
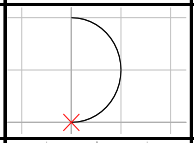
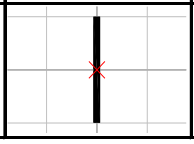
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	안내표지판(시내)	CMRG415	CM-RDGS	SCALE		415:지점		

2.10 궤도(Railroad Track) : CK

CK : 토목분야(C)+궤도(K)

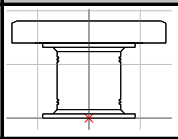
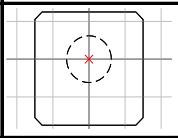
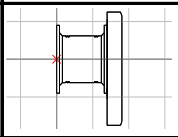
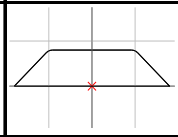
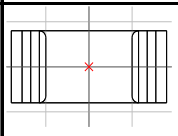
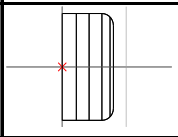
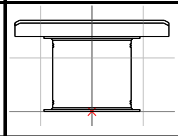
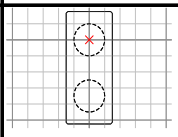
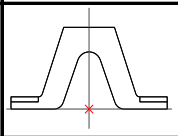
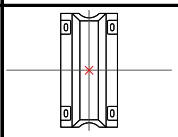
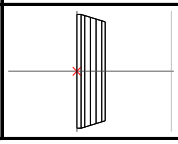
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	궤도종류	CKRMSG1	CK-MAJR-SYMB	SCALE		궤도본선(단선)		
2		CKRMDB1	CK-MAJR-SYMB	SCALE		궤도본선(복선)		
3		CKRSSG1	CK-MINR-SYMB	SCALE		궤도부본선(단선)		
4		CKRSDB1	CK-MINR-SYMB	SCALE		궤도부본선(복선)		
5	레일종류	CKRELEC	CK-SYMB	SCALE		절연레일		
6		CKRDIFF	CK-SYMB	SCALE		이형레일		
7	레일이음	CKRJNT1	CK-SYMB	SCALE		레일이음매		
8		CKRJNT2	CK-SYMB	SCALE		절연레일		
9		CKRJNT3	CK-SYMB	SCALE		이형레일		
10	레일용접	CKRWFL1	CK-SYMB	SCALE		플레쉬버트용접		
11		CKRWFL2	CK-SYMB	SCALE		플레쉬버트용접(경두)		
12		CKRWTM1	CK-SYMB	SCALE		테르밋용접		

CK : 토목분야(C)+궤도(K)

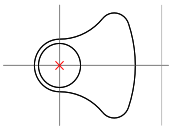
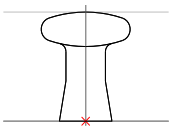
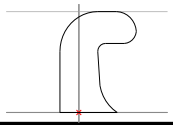
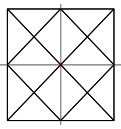
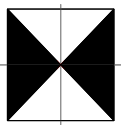
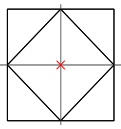
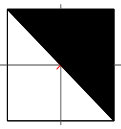
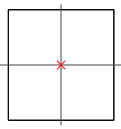
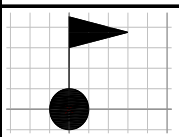
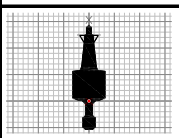
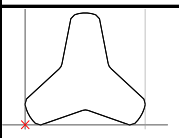
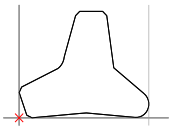
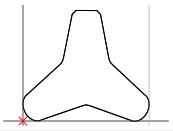
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	레일용접	CKRWTM2	CK-SYMB	SCALE		테르밋용접(경두)		
14		CKRWGS1	CK-SYMB	SCALE		가스압점		
15		CKRWGS2	CK-SYMB	SCALE		가스압점(경두)		
16	궤도차막이	CKRSTP1	CK-SYMB	SCALE		차막이(둑식)		
17		CKRSTP2	CK-SYMB	SCALE		차막이(레일식)		
18		CKRSTP3	CK-SYMB	SCALE		차막이(주식)		

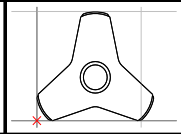
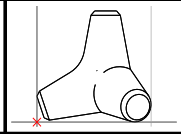
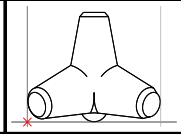
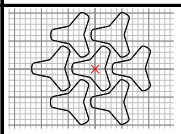
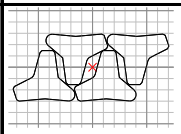
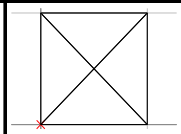
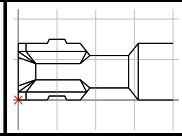
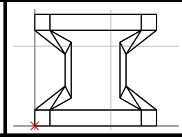
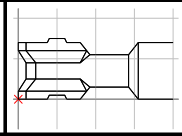
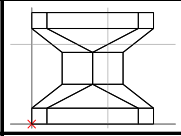
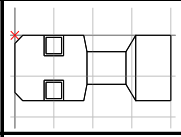
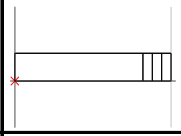
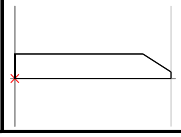
2.11 항만시설(Harbor Facilities) : CH

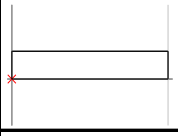
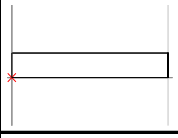
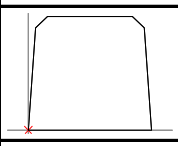
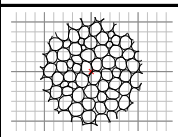
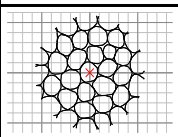
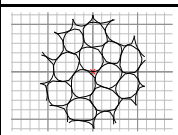
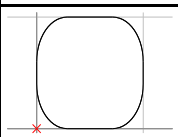
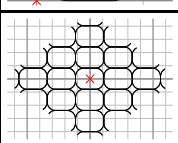
CH : 토목분야(C)+항만시설(H)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	방충재	CHFNDP1	CH-EQPM-SYMB	M-UNT		방충재1(평면)		
2		CHFNDF1	CH-EQPM-SYMB	M-UNT		방충재1(정면)		
3		CHFNDS1	CH-EQPM-SYMB	M-UNT		방충재1(측면)		
4		CHFNDP2	CH-EQPM-SYMB	M-UNT		방충재2(평면)		
5		CHFNDF2	CH-EQPM-SYMB	M-UNT		방충재2(정면)		
6		CHFNDS2	CH-EQPM-SYMB	M-UNT		방충재2(측면)		
7		CHFNDP3	CH-EQPM-SYMB	M-UNT		방충재3(평면)		
8		CHFNDF3	CH-EQPM-SYMB	M-UNT		방충재3(정면)		
9		CHFNDS3	CH-EQPM-SYMB	M-UNT		방충재3(측면)		
10		CHFNDP4	CH-EQPM-SYMB	M-UNT		방충재4(평면)		
11		CHFNDF4	CH-EQPM-SYMB	M-UNT		방충재4(정면)		
12		CHFNDS4	CH-EQPM-SYMB	M-UNT		방충재4(측면)		

CH : 토목분야(C)+항만시설(H)

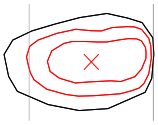
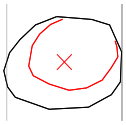
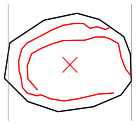
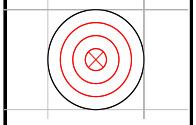
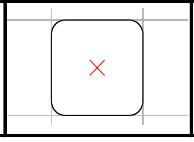
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	곡주	CHBRDP1	CH-EQPM-SYMB	M-UNT		곡주(평면)		
14		CHBRDF1	CH-EQPM-SYMB	M-UNT		곡주(정면)		
15		CHBRDS1	CH-EQPM-SYMB	M-UNT		곡주(측면)		
16	크레인설비	CHCTIED	CH-CRAN-EQPM	CENTER		TIE-DOWN		
17		CHCJACK	CH-CRAN-EQPM	CENTER		JACK-UP		
18		CHCPICK	CH-CRAN-EQPM	CENTER		PICK-UP		
19		CHCPINC	CH-CRAN-EQPM	CENTER		PIN CUP		
20		CHCFUND	CH-CRAN-EQPM	CENTER		컨테이너/크레인(RMGC) 기초		
21	항만표지	CHBLGHT	CH-SFTY-SIGN	SCALE		등부표		
22		CHTBUOY	CH-SFTY-SIGN	SCALE		공사용 등부표		
23	블록	CHBTPP1	CH-STRU-PATT	SQUAR		TTP블록1(평면, 단위)		
24		CHBTPS1	CH-STRU-PATT	SQUAR		TTP블록1(측면, 단위)		
25		CHBTPF1	CH-STRU-PATT	SQUAR		TTP블록1(정면, 단위)		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	블록	CHBTPP2	CH-STRU-PATT	SQUAR		TTP블록1(입체평면, 단위)		
27		CHBTPS2	CH-STRU-PATT	SQUAR		TTP블록1(입체측면, 단위)		
28		CHBTPF2	CH-STRU-PATT	SQUAR		TTP블록1(입체정면, 단위)		
29		CHBTPP3	CH-STRU-PATT	SCALE		TTP블록(평면, 그룹)		
30		CHBTPS3	CH-STRU-PATT	SCALE		TTP블록(측면, 그룹)		
31		CHBGGX1	CH-STRU-SYMB	SQUAR		근고블럭		
32		CHBYRS1	CH-STRU-SYMB	M-UNT		와록블록(종단)-nAf		
33		CHBYRF1	CH-STRU-SYMB	M-UNT		와록블록(정면)-nAf		
34		CHBYRS2	CH-STRU-SYMB	M-UNT		와록블록(종단)-nA		
35		CHBYRF2	CH-STRU-SYMB	M-UNT		와록블록(정면)-nA		
36		CHBYRPX	CH-STRU-SYMB	M-UNT		와록블록(평면)-공통		
37	차막이	CHSTPP1	CH-EQPM-SYMB	M-UNT		차막이(평면)-TYP1		
38		CHSTPF1	CH-EQPM-SYMB	M-UNT		차막이(정면)-TYP1		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	차막이	CHSTPP2	CH-EQPM-SYMB	M-UNT		차막이(평면)-TYP2		
40		CHSTPF2	CH-EQPM-SYMB	M-UNT		차막이(정면)-TYP2		
41		CHSTPXX	CH-EQPM-SYMB	M-UNT		차막이(횡단)-공통		
42	항만기타	CHHRIP1	CH-STRU-PATT	SCALE		사석(조밀, 필터)		
43		CHHRIP2	CH-STRU-PATT	SCALE		사석(보통, 뒷채움)		
44		CHHRIP3	CH-STRU-PATT	SCALE		사석(굵음, QRR)		
45		CHHAMS1	CH-STRU-PATT	SQUAR		피복석(단위)		
46		CHHAMS2	CH-STRU-PATT	SCALE		피복석(평면, 그룹)		

2.12 하천(RIVFr) : CI

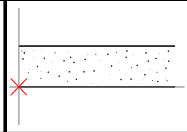
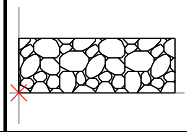
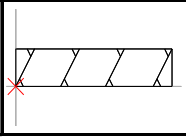
CI : 토목분야(C)+하천(I)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	거석	CIBSTNX	CI-RIVF-BSTN	CENTER		거석일반		
2		CIBSTN1	CI-RIVF-BSTN	CENTER		거석(1)		
3		CIBSTN2	CI-RIVF-BSTN	CENTER		거석(2)		
4	횃대	CIPILEX	CI-RIVF-PILE	DIA		횃대, 말뚝		
5	징검다리	CISSTNX	CI-RIVF-SSTN	CENTER		징검다리		

3. 건축분야 심벌 목록

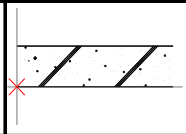
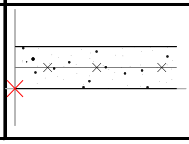
3.1 지정공사(Foundation Work) : AF

AF : 건축분야(A)+지정공사(F)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	지정	AFFXXXX	-	MMUNT		지정		
2		AFFT001	AA-FDXK-PATT	MMUNT		모래지정		
3		AFFT002	AA-FDXK-PATT	MMUNT		자갈지정		
4		AFFT003	AA-FDXK-PATT	MMUNT		잡석지정		

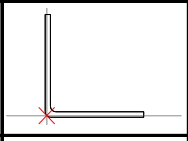
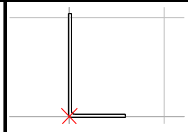
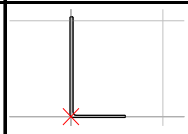
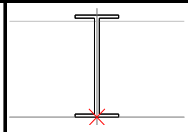
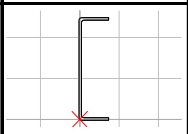
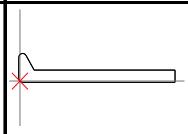
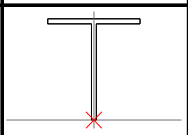
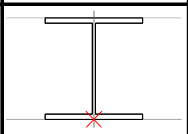
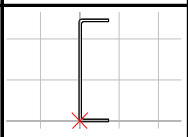
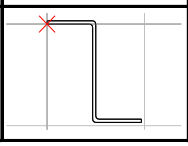
3.2 철근콘크리트공사(Facilities) : AC

AC : 건축분야(A)+철근콘크리트공사(C)

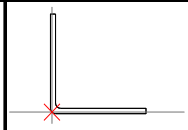
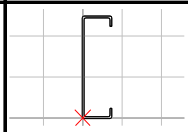
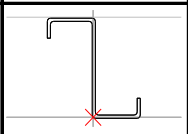
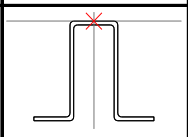
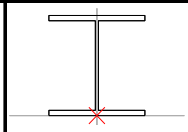
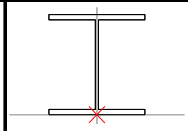
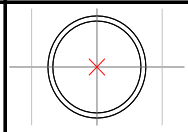
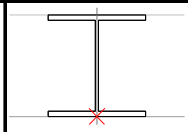
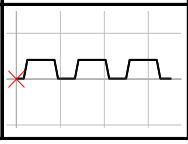
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	콘크리트	ACCXXXX	-	MMUNT		콘크리트		
2		ACCT001	A□-□□□□-PATT	MMUNT		철근콘크리트		
3		ACCT002	A□-□□□□-PATT	MMUNT		무근콘크리트		
4		ACCT003	A□-□□□□-PATT	MMUNT		와이어메쉬콘크리트		

3.3 철골공사(Steel Work) : AS

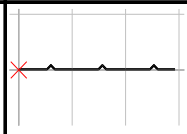
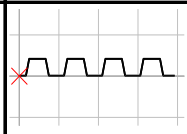
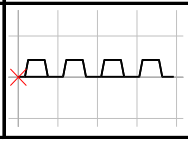
AS : 건축분야(A)+철골공사(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	열간압연형강	ASRXXXX	-	MMUNT		열간압연형강		
2		ASRK011	A□-□□□□-STEL	MMUNT		등변ㄱ형강		
3		ASRK012	A□-□□□□-STEL	MMUNT		부등변ㄱ 형강		
4		ASRK013	A□-□□□□-STEL	MMUNT		부등변 부등두께ㄱ 형강		
5		ASRK021	A□-□□□□-STEL	MMUNT		I형강		
6		ASRK031	A□-□□□□-STEL	MMUNT		ㄷ형강		
7		ASRK041	A□-□□□□-STEL	MMUNT		구평형강		
8		ASRK051	A□-□□□□-STEL	MMUNT		T형강		
9		ASRK061	A□-□□□□-STEL	MMUNT		H형강		
10	일반구조형강	ASLXXXX	-	MMUNT		일반구조형강		
11		ASLK001	A□-□□□□-STEL	MMUNT		경ㄷ 형강		
12		ASLK002	A□-□□□□-STEL	MMUNT		경Z 형강		

AS : 건축분야(A)+철골공사(S)

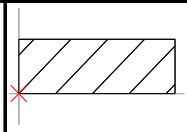
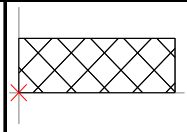
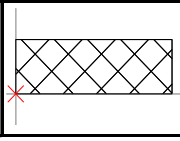
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	일반구조형강	ASLK003	A□-□□□□-STEL	MMUNT		경ㄱ 형강		
14		ASLK004	A□-□□□□-STEL	MMUNT		리프ㄷ형강		
15		ASLK005	A□-□□□□-STEL	MMUNT		리프Z 형강		
16		ASLK006	A□-□□□□-STEL	MMUNT		모자형강		
17	일반구조용용접경량H형강	ASWXXXX	-	MMUNT		일반구조용용접경량H형강		
18		ASWK001	A□-□□□□-STEL	MMUNT		경량H형강		
19		ASWK002	A□-□□□□-STEL	MMUNT		경량 립 H 형강		
20	강관말뚝	ASPXXXX	-	MMUNT		강관말뚝		
21		ASPT001	A□-□□□□-STEL	MMUNT		일반강관말뚝		
22	H형강말뚝	ASHXXXX	-	MMUNT		H형강말뚝		
23		ASHT001	A□-□□□□-STEL	MMUNT		일반H형강말뚝		
24	데크플레이트	ASDXXXX	-	MMUNT		데크플레이트		
25		ASDT001	A□-□□□□-STEL	MMUNT		일반데크플레이트		

AS : 건축분야(A)+철골공사(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	데크플레이트	ASDT002	A□-□□□□-STEL	MMUNT		플랫데크플레이트		
27		ASDT003	A□-□□□□-STEL	MMUNT		합성구조 데크플레이트		
28		ASDT004	A□-□□□□-STEL	MMUNT		셀룰라데크플레이트		

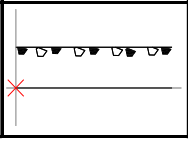
3.4 조적공사(Masonry Work) : AO

AO : 건축분야(A)+조적공사(O)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	벽돌	AORXXXX	-	MMUNT		벽돌		
2		AORT001	AA-WAXK-PATT	MMUNT		콘크리트벽돌		
3		AORT002	AA-WAXK-PATT	MMUNT		점토벽돌		
4	블록	AOLXXXX	-	MMUNT		블록		
5		AOLT001	AA-WAXK-PATT	MMUNT		속빈콘크리트블록		

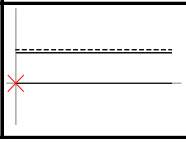
3.5 미장공사(Plasting) : AP

AP : 건축분야(A)+미장공사(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	시멘트모르타르바름	APMXXXX	-	MMUNT		시멘트모르타르바름		
2		APMT001	A□-□□□□-PATT	MMUNT		시멘트모르타르		
3	인조석 및 테라죠	APTXXXX	-	MMUNT		인조석 및 테라죠		
4		APTT001	A□-□□□□-PATT	MMUNT		테라죠현장갈기		

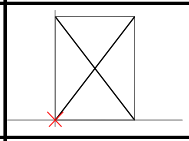
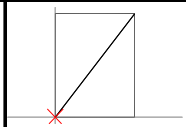
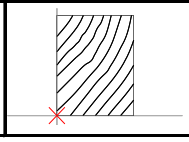
3.6 방수공사(Water Proofing Work) : AW

AW : 건축분야(A)+방수공사(W)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	방수	AWSXXXX	-	MMUNT		방수		
2		AWSW001	A□-□□□□-PATT	MMUNT		액체방수		

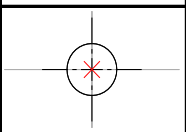
3.7 목공사(Carpenter's Work) : AD

AD : 건축분야(A)+목공사(D)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	구조목공사	ADSXXXX	-	MMUNT		구조목공사		
2		ADST001	A□-□□□□-PATT	MMUNT		목재-주구조		
3		ADST002	A□-□□□□-PATT	MMUNT		목재-부구조		
4	수장목	ADFXXXX	-	MMUNT		수장목		
5		ADFT001	A□-□□□□-PATT	MMUNT		목재-수장목		

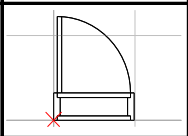
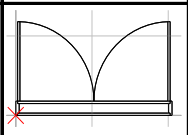
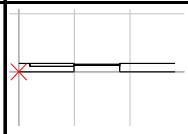
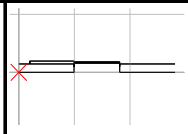
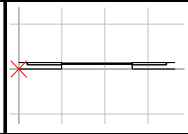
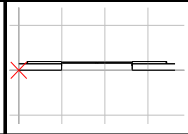
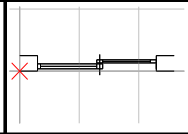
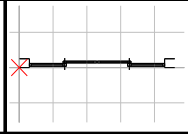
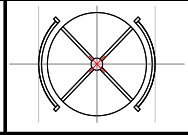
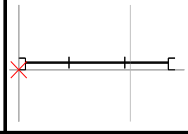
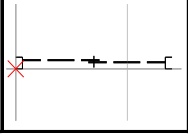
3.8 지붕 및 홈통공사(Roofing & Rain-water Gutter Work) : AR

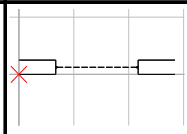
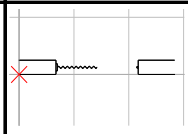
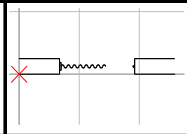
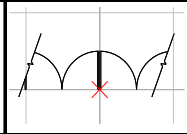
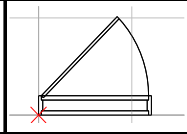
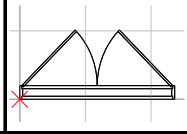
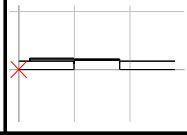
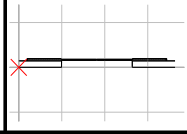
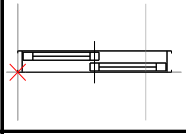
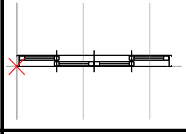
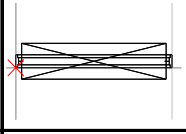
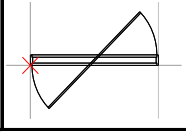
AR : 건축분야(A)+지붕및홈통공사(R)

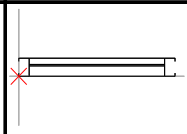
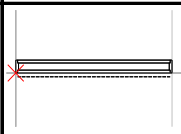
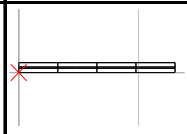
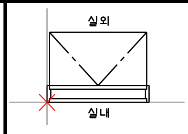
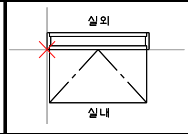
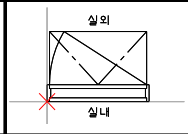
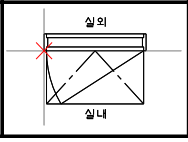
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	홈통공사	ARSXXXX	-	MMUNT		홈통공사		
2		ARST001	AA-RFXS-WATR	MMUNT		선홈통		

3.9 창호 및 유리공사(Joiner's Work) : AJ

AJ : 건축분야(A)+창호및유리공사(J)

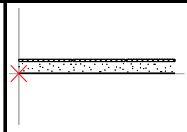
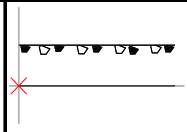
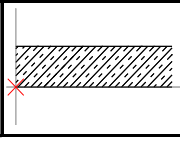
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	문	AJDXXXX	-	MMUNT		문		
2		AJDK011	AA-DWXM-DOOR	MMUNT		외여닫이문		
3		AJDK012	AA-DWXM-DOOR	MMUNT		쌍여닫이문		
4		AJDK021	AA-DWXM-DOOR	MMUNT		외미닫이문		
5		AJDK022	AA-DWXM-DOOR	MMUNT		외미닫이자동문		
6		AJDK023	AA-DWXM-DOOR	MMUNT		쌍미닫이문		
7		AJDK024	AA-DWXM-DOOR	MMUNT		쌍미닫이자동문		
8		AJDK031	AA-DWXM-DOOR	MMUNT		두짝미서기문		
9		AJDK032	AA-DWXM-DOOR	MMUNT		네짝미서기문		
10		AJDK041	AA-DWXM-DOOR	MMUNT		회전문		
11		AJDK051	AA-DWXM-DOOR	MMUNT		고정문		
12		AJDK061	AA-DWXM-DOOR	MMUNT		망사문		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	문	AJDK071	AA-DWXM-DOOR	MMUNT		셔터문		
14		AJDK081	AA-DWXM-DOOR	MMUNT		접이문		
15		AJDK091	AA-DWXM-DOOR	MMUNT		주름문		
16		AJDK101	AA-DWXM-DOOR	MMUNT		연속문		
17	창	AJWXXXX	-	MMUNT		창		
18		AJWK011	AA-DWXM-WIND	MMUNT		외여닫이창		
19		AJWK012	AA-DWXM-WIND	MMUNT		쌍여닫이창		
20		AJWK021	AA-DWXM-WIND	MMUNT		외미닫이창		
21		AJWK022	AA-DWXM-WIND	MMUNT		쌍미닫이창		
22		AJWK031	AA-DWXM-WIND	MMUNT		미서기창		
23		AJWK032	AA-DWXM-WIND	MMUNT		네짝미서기창		
24		AJWK041	AA-DWXM-WIND	MMUNT		상하개폐		
25		AJWK042	AA-DWXM-WIND	MMUNT		좌우개폐		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	창	AJWK051	AA-DWXM-WIND	MMUNT		고정창		
27		AJWK061	AA-DWXM-WIND	MMUNT		망사창		
28		AJWK071	AA-DWXM-WIND	MMUNT		셔터창		
29		AJWK081	AA-DWXM-WIND	MMUNT		오르내리창		
30		AJWK091	AA-DWXM-WIND	MMUNT		연속창		
31		AJWK101	AA-DWXM-WIND	MMUNT		밀창		
32		AJWK111	AA-DWXM-WIND	MMUNT		끌창		
33		AJWK121	AA-DWXM-WIND	MMUNT		밀여닫이창		
34		AJWK131	AA-DWXM-WIND	MMUNT		끌여닫이창		

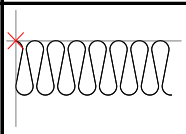
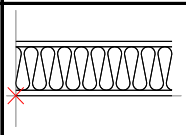
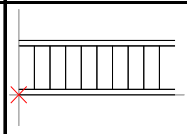
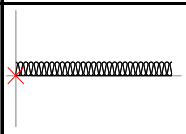
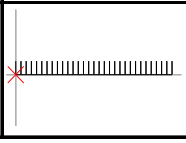
3.10 타일 및 돌공사(Tile & Stone Work) : AT

AT : 건축분야(A)+타일및돌공사(T)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	타일	ATIXXXX	-	MMUNT		타일		
2		ATIT001	A□-□□□□-PATT	MMUNT		세라믹타일		
3		ATIT002	A□-□□□□-PATT	MMUNT		테라죠타일		
4	돌붙이기	ATSXXXX	-	MMUNT		돌붙이기		
5		ATST001	A□-□□□□-PATT	MMUNT		석재		

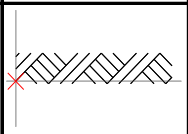
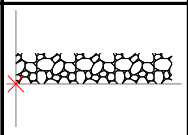
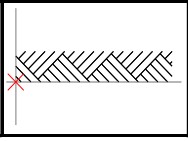
3.11 수장공사(Interior Finish Work) : AI

AI : 건축분야(A)+수장공사(I)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	단열재 및 복합판넬	AIIXXXX	-	MMUNT		단열재 및 복합판넬		
2		AIIT001	AA-WAXK-PATT	MMUNT		단열재		
3		AIIT002	AA-WAXK-PATT	MMUNT		복합판넬		
4		AIDW001	AA-WAXK-PATT	MMUNT		칸막이		
5	바닥깔기	AIFXXXX	-	MMUNT		바닥깔기		
6		AIFC001	AA-FLXK-PATT	MMUNT		카페트(Wool)		
7		AIFC002	AA-FLXK-PATT	MMUNT		카페트(Brush)		

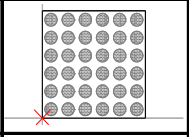
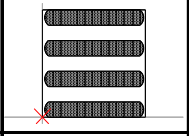
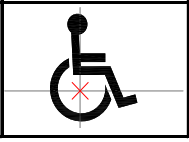
3.12 부지-지질(Earth-Stratum) : AE

AE : 건축분야(A)+부지지질(E)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	지질	AESXXXX	-	MMUNT		지질		
2		AESE001	AA-FDXK-PATT	MMUNT		암반		
3		AESE002	AA-FDXK-PATT	MMUNT		자갈		
4		AESE003	AA-FDXK-PATT	MMUNT		모래		
5		AESE004	AA-FDXK-PATT	MMUNT		토사		

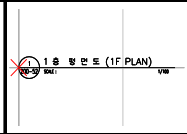
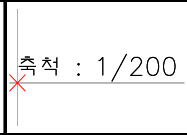
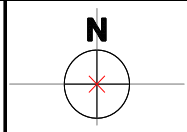
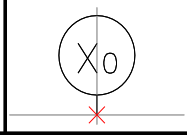
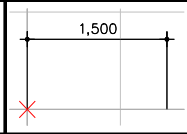
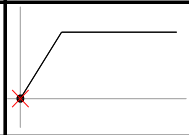
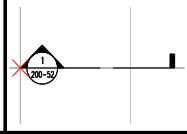
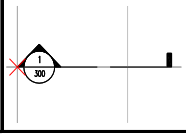
3.13 통행안내설치물(Guide) : AG

AG : 건축분야(A)+통행안내설치물(G)

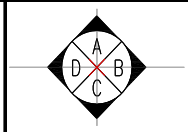
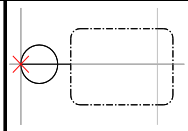
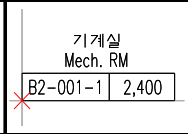
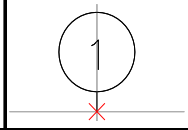
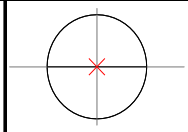
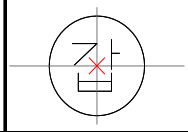
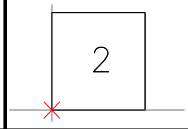
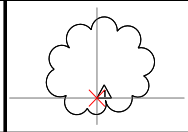
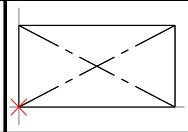
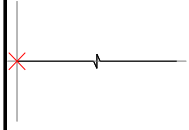
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	장애자유도설치물	AGSXXXX	-	MMUNT		장애자유도설치물		
2		AGST001	AA-FFXM-GUID	MMUNT		감지용점자블록		
3		AGST002	AA-FFXM-GUID	MMUNT		유도용점자블록		
4		AGST003	AA-FFXM-GUID	MMUNT		장애자 주차표시		

3.14 표기(Marking) : AM

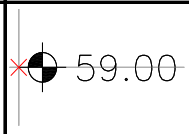
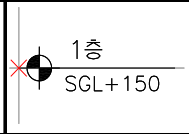
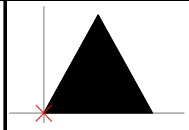
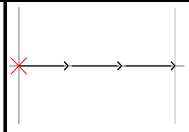
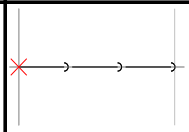
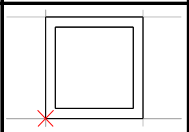
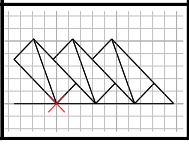
AM : 건축분야(A)+표기(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	도면표기일반	AMDXXXX	-	MMUNT		도면표기일반		
2	기본표기	AMDT00X		MMUNT		기본표기		
3		AMDT001	AA-MKXM	MMUNT		도면명		
4		AMDT002	AA-MKXM	MMUNT		축척		
5		AMDT003	AA-MKXM	MMUNT		방위표		
6	축선/치수선	AMDT01X	-	MMUNT		축선/치수선		
7		AMDT011	AA-AXIS-BUBL	MMUNT		축열		
8		AMDT012	AA-FDXK-DIMS	MMUNT		치수선		
9		AMDT013	AA-FDXK-DIMS	MMUNT		인출선		
10	안내	AMDT02X	-	MMUNT		안내		
11		AMDT021	A□-□□□□-IDNT	MMUNT		입면안내		
12		AMDT022	A□-□□□□-IDNT	MMUNT		단면안내		

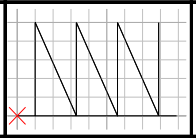
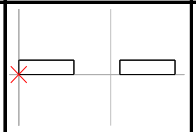
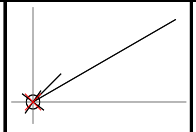
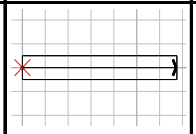
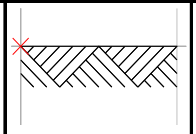
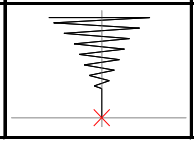
AM : 건축분야(A)+표기(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	안내	AMDT023	A□-□□□□-IDNT	MMUNT		전개안내		
14		AMDT024	A□-□□□□-IDNT	MMUNT		상세안내		
15	부호	AMDT03X	-	MMUNT		부호		
16		AMDT031	AA-MKXS	MMUNT		실명/실번호		
17		AMDT032	AA-WAXK-IDNT	MMUNT		벽부호		
18		AMDT033	AA-DWXK-IDNT	MMUNT		창호부호		
19		AMDT034	AA-DWXK-IDNT	MMUNT		방화문표기		
20		AMDT035	AA-MKXS	MMUNT		가구및장비부호		
21	기타표시	AMDT04X	-	MMUNT		기타표시		
22		AMDT041	AA-MKXS	MMUNT		설계변경표시		
23		AMDT042	A□-□□□□-OPEN	MMUNT		개구부		
24		AMDT043	A□-□□□□-DIMS	MMUNT		절단선		
25	범례표기일반	AMGXXXX	-	MMUNT		범례표기일반		

AM : 건축분야(A)+표기(M)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	레벨	AMGT00X	-	MMUNT		레벨		
27		AMGT001	A□-□□□□-IDNT	MMUNT		바닥레벨		
28		AMGT002	A□-□□□□-IDNT	MMUNT		입면레벨		
29		AMGT003	A□-□□□□-IDNT	MMUNT		단면레벨		
30	출입구	AMGT01X	-	MMUNT		출입구		
31		AMGT011	AA-STXK	MMUNT		출입구방향		
32	배수관	AMGT02X	-	MMUNT		배수관		
33		AMGT021	AA-XXXX-SYMB	MMUNT		오수관		
34		AMGT022	AA-XXXX-SYMB	MMUNT		우수관		
35	맨홀	AMGT03X	-	MMUNT		맨홀		
36		AMGT031	AA-STXS	SQUAR		일반맨홀		
37	주차	AMGT04X	-	MMUNT		주차		
38		AMGT041	AA-STXS	MMUNT		사면주차		

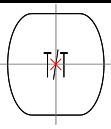
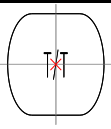
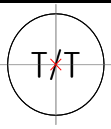
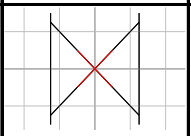
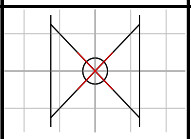
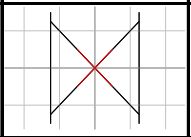
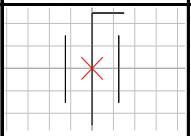
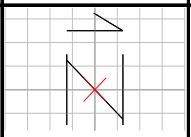
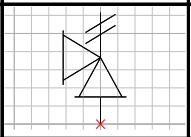
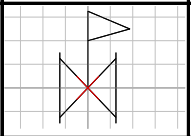
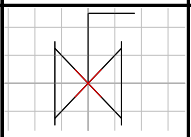
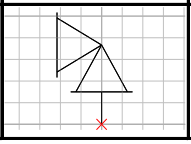
AM : 건축분야(A)+표기(M)

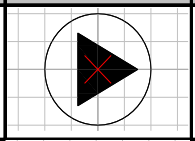
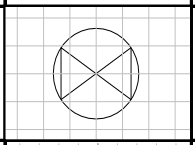
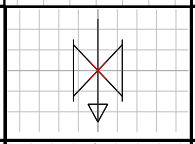
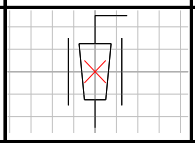
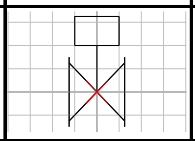
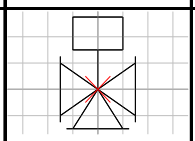
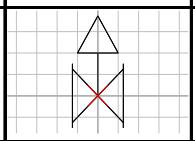
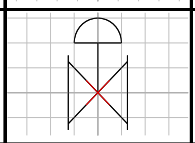
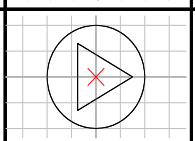
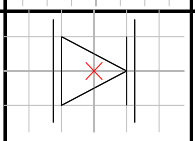
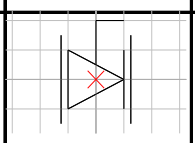
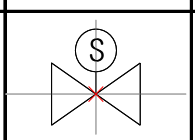
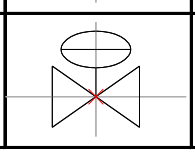
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	주차	AMGT042	AA-STXS	MMUNT		직각주차		
40		AMGT043	AA-STXS	MMUNT		카스토퍼		
41	기타	AMGT05X	-	MMUNT		기타		
42		AMGT051	AA-STXS	MMUNT		배수구		
43		AMGT052	AA-XXXX-SYMB	MMUNT		경사로		
44		AMGT053	A□-□□□□-PATT	MMUNT		지반선		
45		AMGT054	A□-□□□□-PATT	MMUNT		대지의고저		

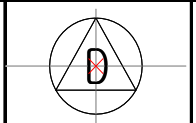
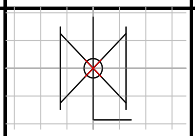
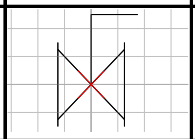
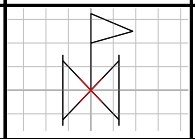
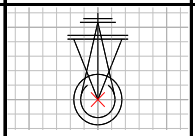
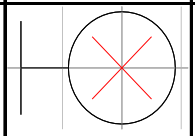
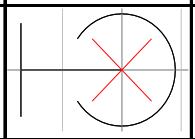
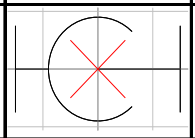
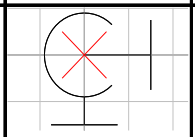
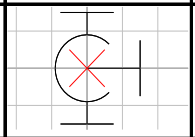
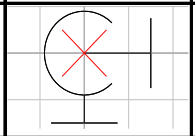
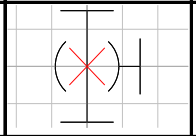
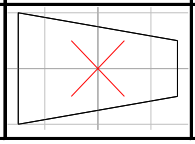
4. 기계설비분야 심벌 목록

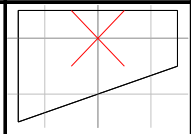
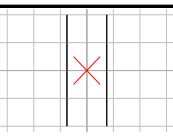
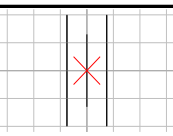
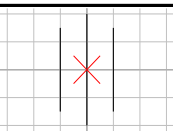
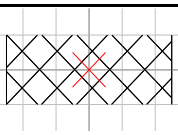
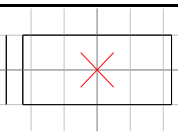
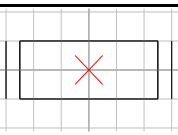
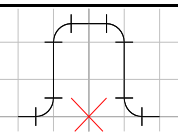
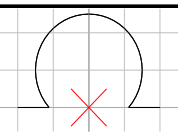
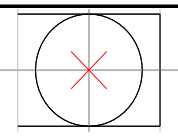
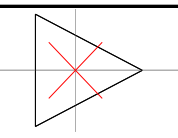
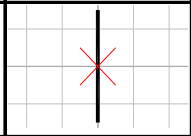
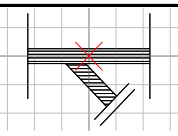
4.1 기계공통(Mechanical Common) : MZ

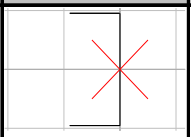
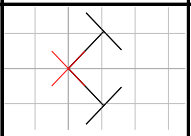
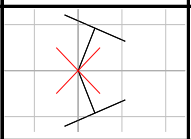
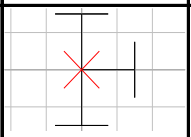
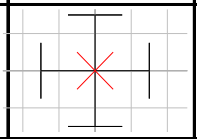
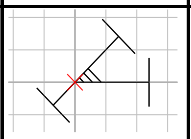
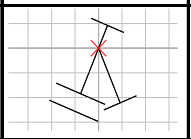
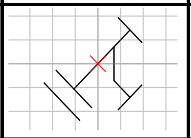
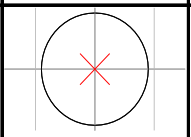
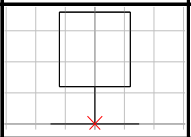
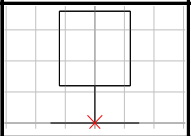
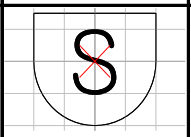
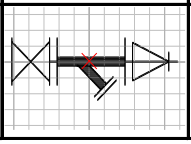
MZ: 기계설비분야(M)+기계공통(Z)

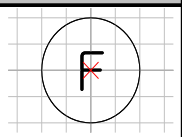
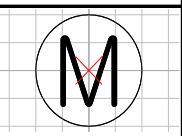
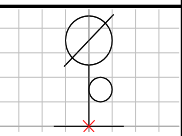
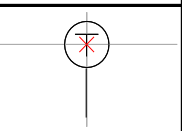
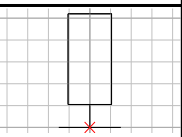
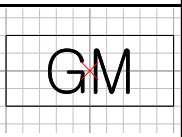
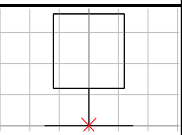
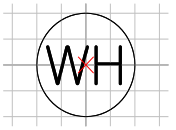
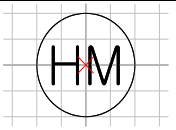
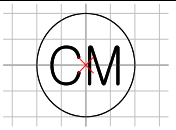
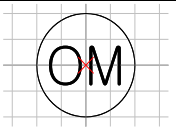
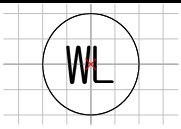
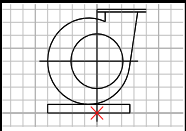
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	탱크류	MZTKXXX	M□-□□□□-EQPM	CENTR		일반탱크		
2		MZTK101	M□-□□□□-EQPM	CENTR		탱크(수평)		
3		MZTK201	M□-□□□□-EQPM	DIA		탱크(수직)		
4	밸브류	MZVT1XX	M□-□□□□-FIXT	SCALE		일반밸브		
5		MZVT101	M□-□□□□-FIXT	SCALE		글로브 밸브		
6		MZVT111	M□-□□□□-FIXT	SCALE		게이트 밸브		
7		MZVT121	M□-□□□□-FIXT	SCALE		버터플라이 밸브		
8		MZVT131	M□-□□□□-FIXT	SCALE		체크 밸브		
9		MZVT141	M□-□□□□-FIXT	SCALE		안전 밸브		
10		MZVT151	M□-□□□□-FIXT	SCALE		감압 밸브		
11		MZVT161	M□-□□□□-FIXT	SCALE		볼 밸브		
12		MZVT171	M□-□□□□-FIXT	SCALE		앵글 밸브		

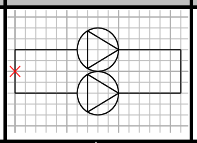
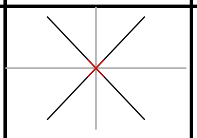
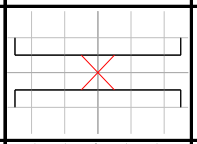
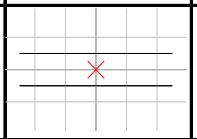
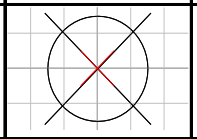
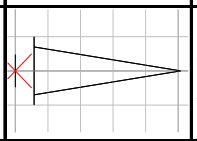
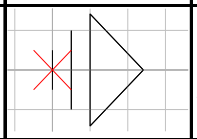
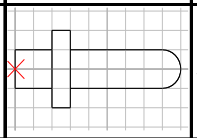
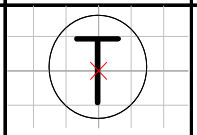
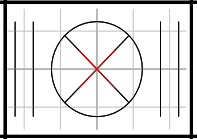
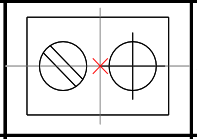
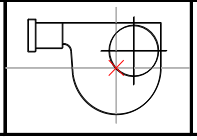
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	밸브류	MZVT181	M□-□□□□-FIXT	SCALE		알람(경보)밸브		
14		MZVT191	M□-□□□□-FIXT	SCALE		메인차단밸브		
15		MZVT201	M□-□□□□-FIXT	SCALE		니들밸브		
16		MZVT211	M□-□□□□-FIXT	SCALE		밸런싱(정유량)밸브		
17		MZVT221	M□-□□□□-FIXT	SCALE		2방향 자동밸브		
18		MZVT231	M□-□□□□-FIXT	SCALE		3방향 자동밸브		
19		MZVT241	M□-□□□□-FIXT	SCALE		차압밸브		
20		MZVT251	M□-□□□□-FIXT	SCALE		솔레노이드밸브		
21		MZVT261	M□-□□□□-FIXT	SCALE		프리액션(예비작동)밸브		
22		MZVT271	M□-□□□□-FIXT	SCALE		나비체크밸브		
23		MZVT281	M□-□□□□-FIXT	SCALE		나비체크밸브(BF)		
24		MZVT311	M□-□□□□-FIXT	SCALE		수위조절밸브		
25		MZVT321	M□-□□□□-FIXT	SCALE		유량조절밸브		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	밸브류	MZVT331	M□-□□□□-FIXT	SCALE		드라이밸브		
27		MZVT341	M□-□□□□-FIXT	SCALE		가스밸브		
28		MZVT351	M□-□□□□-FIXT	SCALE		콕밸브		
29		MZVT361	M□-□□□□-FIXT	SCALE		에어밸브		
30		MZVT401	M□-□□□□-FIXT	SCALE		입상부		
31	배관부품(곡관)	MZFT101	M□-□□□□-FIXT	SCALE		상향곡관		
32		MZFT111	M□-□□□□-FIXT	SCALE		하향곡관		
33		MZFT121	M□-□□□□-FIXT	SCALE		입상(직각)		
34		MZFT131	M□-□□□□-FIXT	SCALE		입상분기(엘보)		
35		MZFT141	M□-□□□□-FIXT	SCALE		입상분기(티)		
36		MZFT151	M□-□□□□-FIXT	SCALE		입하분기(엘보)		
37		MZFT161	M□-□□□□-FIXT	SCALE		입하분기(티)		
38	배관부품(이음)	MZFT201	M□-□□□□-FIXT	SCALE		원심레듀샤		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	배관부품(이음)	MZFT202	M□-□□□□-FIXT	SCALE		편심레듀샤		
40		MZFT211	M□-□□□□-FIXT	SCALE		플랜지		
41		MZFT212	M□-□□□□-FIXT	SCALE		막힘플랜지		
42		MZFT221	M□-□□□□-FIXT	SCALE		유니온		
43		MZFT231	M□-□□□□-FIXT	SCALE		플랙시블이음		
44		MZFT232	M□-□□□□-FIXT	SCALE		신축이음(벨로우즈 단식)		
45		MZFT233	M□-□□□□-FIXT	SCALE		신축이음(벨로우즈 복식)		
46		MZFT241	M□-□□□□-FIXT	SCALE		루프이음		
47		MZFT242	M□-□□□□-FIXT	SCALE		루프이음(원형)		
48	배관부품(배관부품)	MZFT301	M□-□□□□-FIXT	SCALE		볼조인트		
49		MZFT311	M□-□□□□-FIXT	SCALE		붓싱		
50		MZFT321	M□-□□□□-FIXT	SCALE		플러그		
51		MZFT331	M□-□□□□-FIXT	SCALE		스트레이너		

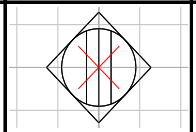
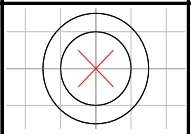
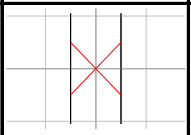
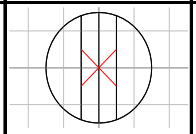
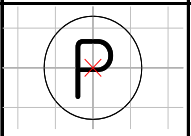
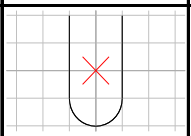
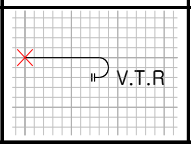
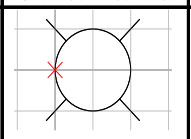
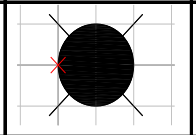
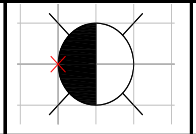
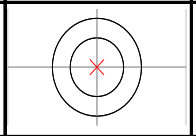
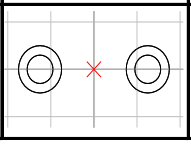
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	배관부품(배관부품)	MZFT341	M□-□□□□-FIXT	SCALE		캡		
53	배관부품(연결)	MZFT401	M□-□□□□-FIXT	SCALE		엘보(90도)		
54		MZFT411	M□-□□□□-FIXT	SCALE		엘보(45도)		
55		MZFT421	M□-□□□□-FIXT	SCALE		티		
56		MZFT431	M□-□□□□-FIXT	SCALE		십자티		
57		MZFT441	M□-□□□□-FIXT	SCALE		Y티		
58		MZFT451	M□-□□□□-FIXT	SCALE		CY		
59		MZFT461	M□-□□□□-FIXT	SCALE		CY티		
60	배관부품(기타)	MZFT901	M□-□□□□-FIXT	SCALE		입관		
61		MZFT911	M□-□□□□-FIXT	SCALE		압력스위치		
62		MZFT921	M□-□□□□-FIXT	SCALE		플로우스위치		
63		MZFT931	M□-□□□□-FIXT	SCALE		공기분리기		
64		MZFT941	M□-□□□□-FIXT	SCALE		자동공기빼기		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
65	배관부품(기타)	MZFT951	M□-□□□□-FIXT	SCALE		필터		
66	측정기기	MZIT111	M□-□□□□-EQPM	SCALE		유량계		
67		MZIT121	M□-□□□□-EQPM	SCALE		압력량계		
68		MZIT131	M□-□□□□-EQPM	SCALE		온도계		
69		MZIT132	M□-□□□□-EQPM	SCALE		온도계류		
70		MZIT141	M□-□□□□-EQPM	SCALE		가스량계		
71		MZIT151	M□-□□□□-EQPM	SCALE		연성계		
72		MZIT161	M□-□□□□-EQPM	SCALE		급수계량기		
73		MZIT171	M□-□□□□-EQPM	SCALE		급탕계량기		
74		MZIT181	M□-□□□□-EQPM	SCALE		열량계		
75		MZIT191	M□-□□□□-EQPM	SCALE		오일미터기		
76		MZIT201	M□-□□□□-EQPM	SCALE		수위계		
77	펌프 및 공기설비	MZHT1XX	M□-□□□□-EQPM	SCALE		펌프(일반)		

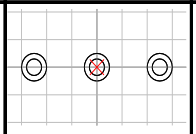
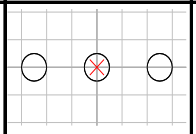
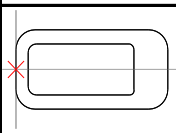
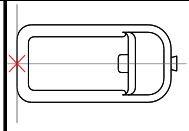
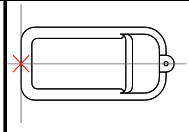
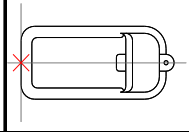
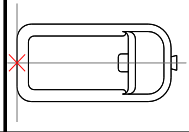
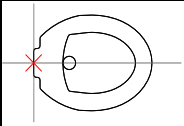
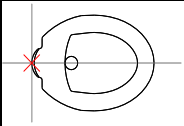
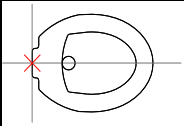
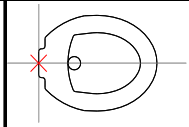
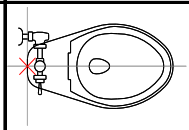
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
78	펌프 및 공기설비	MZHT101	M□-□□□□-EQPM	SCALE		라인펌프		
79		MZMT201	M□-□□□□-MISC	SCALE		행거(로드형/스프링행거/레스팅슈)		
80		MZMT211	M□-□□□□-MISC	SCALE		파이프 슬리브		
81		MZMT221	M□-□□□□-MISC	SCALE		파이프 가이드		
82		MZMT231	M□-□□□□-MISC	SCALE		파이프 지지물		
83		MZMT301	M□-□□□□-MISC	SCALE		유체흐름기호(파이프)		
84		MZMT311	M□-□□□□-MISC	SCALE		기체흐름기호(덕트)		
85		MZMT401	M□-□□□□-EQPM	SCALE		수격방지기		
86		MZMT411	M□-□□□□-EQPM	SCALE		트랩		
87		MZMT421	M□-□□□□-EQPM	SCALE		증기트랩		
88		MZMT431	M□-□□□□-EQPM	SCALE		통합트랩		
89		MZMT501	M□-□□□□-EQPM	SCALE		섹스티아		

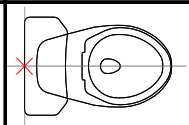
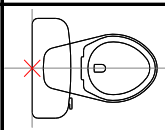
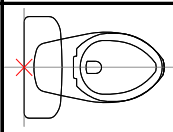
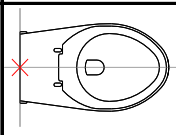
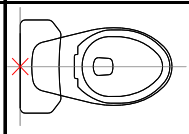
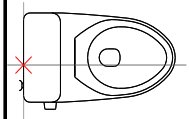
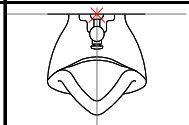
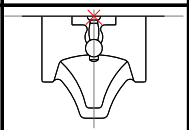
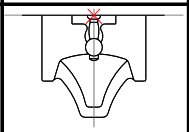
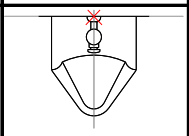
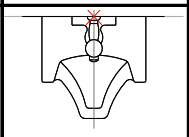
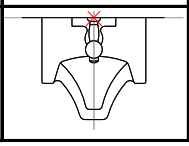
4.2 위생설비(Plumbing Equipment) : MB

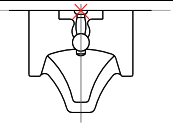
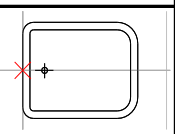
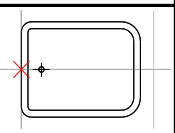
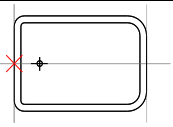
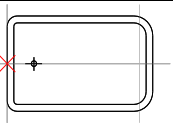
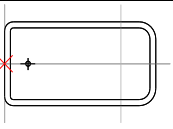
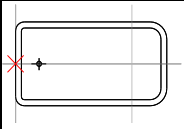
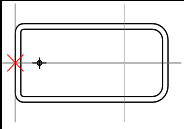
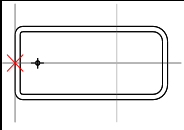
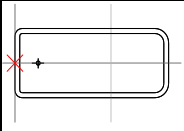
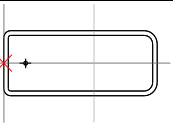
MB : 기계설비분야(M) + 위생설비(B)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	배수관련	MBDT001	MB-SANI-FIXT	SCALE		바닥배수구		
2		MBDT002	MB-SANI-FIXT	SCALE		옥상배수구		
3		MBDT101	MB-SANI-FIXT	SCALE		소제구(일반)		
4		MBDT102	MB-SANI-FIXT	SCALE		소제구(바닥)		
5		MBDT201	MB-SANI-FIXT	SCALE		P트랩		
6		MBDT211	MB-SANI-FIXT	SCALE		U트랩		
7		MBDT301	MB-SANI-FIXT	SCALE		옥상통기구		
8	수전관련	MBWT101	MB-WATR-FIXT	SCALE		급수전		
9		MBWT102	MB-WATR-FIXT	SCALE		급탕전		
10		MBWT103	MB-WATR-FIXT	SCALE		혼합수전		
11	배관기호	MBTT111	MB-WATR-CPIP	SCALE		급수관		
12		MBTT121	MB-WATR-HPIP	SCALE		급탕관		

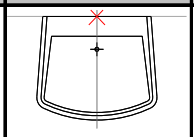
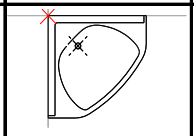
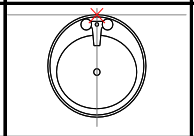
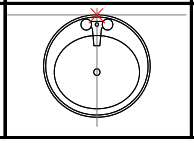
MB : 기계설비분야(M)+위생설비(B)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	배관기호	MBTT131	MB-WATR-MPIP	SCALE		환탕관		
14		MBTT141	MB-WATR-HPIP	SCALE		급탕보급수관		
15	위생처리설비-대변기	MBSXXXX	MB-SANI-EQPM	MMUNT		위생처리설비-대변기		
16		MBSK101	MB-SANI-EQPM	MMUNT		동양식변기		
17		MBSK102	MB-SANI-EQPM	MMUNT		동양식양용변기		
18		MBSK103	MB-SANI-EQPM	MMUNT		동양식바닥위급수형변기		
19		MBSK104	MB-SANI-EQPM	MMUNT		동양식바닥위급수형양용변기		
20		MBSK105	MB-SANI-EQPM	MMUNT		유아용동양식변기		
21		MBSK201	MB-SANI-EQPM	MMUNT		서양식변기		
22		MBSK202	MB-SANI-EQPM	MMUNT		서양식바닥위배수형변기		
23		MBSK203	MB-SANI-EQPM	MMUNT		유아용서양식변기		
24		MBSK204	MB-SANI-EQPM	MMUNT		서양식사이펀		
25		MBSK205	MB-SANI-EQPM	MMUNT		서양식사이펀제트		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	위생처리설비-대변기	MBSK206	MB-SANI-EQPM	MMUNT		서양식탱크밀결형		
27		MBSK207	MB-SANI-EQPM	MMUNT		서양식탱크밀결형 사이펀		
28		MBSK208	MB-SANI-EQPM	MMUNT		서양식탱크밀결형 사이펀제트		
29		MBSK209	MB-SANI-EQPM	MMUNT		서양식벽걸이형		
30		MBSK210	MB-SANI-EQPM	MMUNT		서양식벽걸이탱크밀결형		
31		MBSK211	MB-SANI-EQPM	MMUNT		서양식탱크일체형		
32	위생처리설비-소변기	MBUXXXX	MB-SANI-EQPM	MMUNT		위생처리설비-소변기		
33		MBUK001	MB-SANI-EQPM	MMUNT		씻겨내림형		
34		MBUK002	MB-SANI-EQPM	MMUNT		벽걸이형		
35		MBUK003	MB-SANI-EQPM	MMUNT		스톨형		
36		MBUK004	MB-SANI-EQPM	MMUNT		트랩달린스톨형		
37		MBUK005	MB-SANI-EQPM	MMUNT		벽걸이스톨형		
38	위생처리설비-절수형소변기	MBUK051	MB-SANI-EQPM	MMUNT		스톨형		

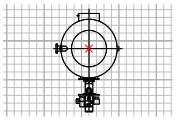
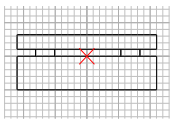
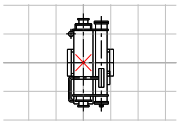
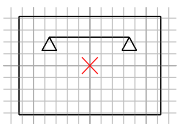
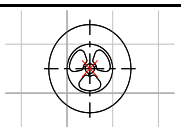
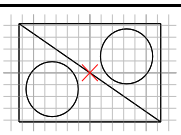
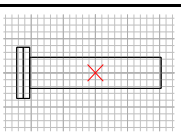
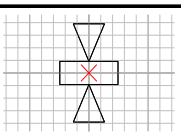
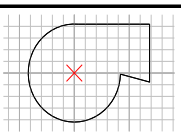
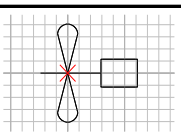
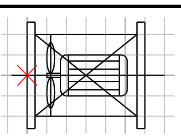
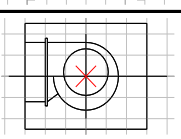
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	위생처리설비-절수형소변기	MBUK052	MB-SANI-EQPM	MMUNT		벽걸이스톨형		
40	위생세척설비-욕조	MBTXXXX	MB-SANI-EQPM	MMUNT		위생세척설비-욕조		
41		MBTK001	MB-SANI-EQPM	MMUNT		800형		
42		MBTK002	MB-SANI-EQPM	MMUNT		900형		
43		MBTK003	MB-SANI-EQPM	MMUNT		1000형		
44		MBTK004	MB-SANI-EQPM	MMUNT		1100형		
45		MBTK005	MB-SANI-EQPM	MMUNT		1200형		
46		MBTK006	MB-SANI-EQPM	MMUNT		1300형		
47		MBTK007	MB-SANI-EQPM	MMUNT		1400형		
48		MBTK008	MB-SANI-EQPM	MMUNT		1500형		
49		MBTK009	MB-SANI-EQPM	MMUNT		1600형		
50		MBTK010	MB-SANI-EQPM	MMUNT		1700형		
51	위생세척설비-세면기	MBBXXXX	MB-SANI-EQPM	MMUNT		위생세척설비-세면기		

MB : 기계설비분야(M)+위생설비(B)

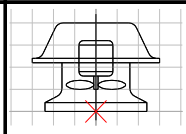
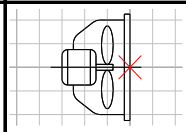
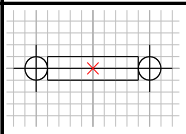
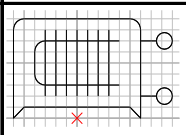
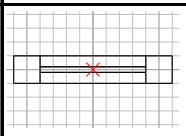
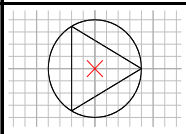
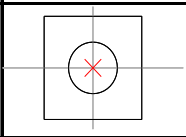
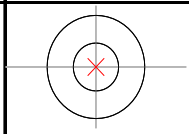
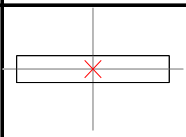
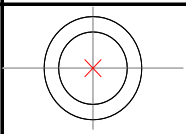
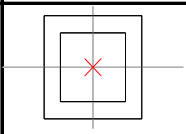
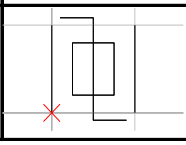
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	위생세척설비-세면기	MBBK001	MB-SANI-EQPM	MMUNT		평면붙임형		
53		MBBK002	MB-SANI-EQPM	MMUNT		구석붙임형		
54		MBBK003	MB-SANI-EQPM	MMUNT		원형		
55		MBBK004	MB-SANI-EQPM	MMUNT		타원형		

4.3 공기조화(HVAC) : MH

MH : 기계설비분야(M)+공기조화(H)

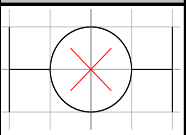
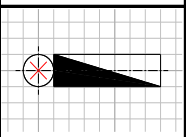
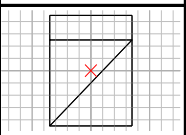
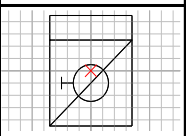
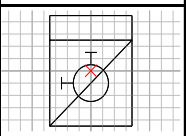
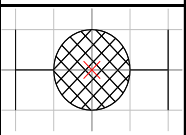
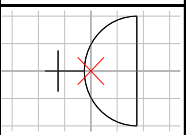
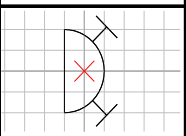
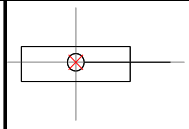
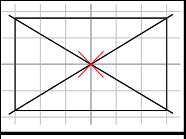
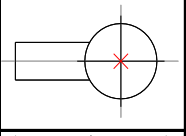
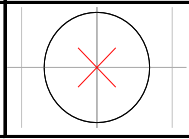
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	보일러	MHBTXXX	MH-HEAT-EQPM	MMUNT		보일러(온수보일러)		
2	냉동기	MHRT101	MH-ACON-EQPM	SCALE		냉동기(왕복식)		
3		MHRT111	MH-ACON-EQPM	MMUNT		냉동기		
4	냉각탑	MHCT101	MH-ACON-EQPM	SCALE		냉각탑		
5		MHCT111	MH-ACON-EQPM	MMUNT		냉각탑(대향류형)		
6	열교환기	MHHT101	MH-HEAT-EQPM	SCALE		열교환기(판형)		
7		MHHT111	MH-HEAT-EQPM	SCALE		원통 & 관 열교환기		
8	공기조화기	MHET101	MH-RDUT-EQPM	SCALE		축류팬		
9		MHET111	MH-RDUT-EQPM	SCALE		원심팬		
10		MHET121	MH-RDUT-EQPM	SCALE		프로펠러팬		
11		MHET131	MH-RDUT-EQPM	SCALE		팬(축류)		
12		MHET141	MH-RDUT-EQPM	SCALE		팬(천정형)		

MH : 기계설비분야(M)+공기조화(H)

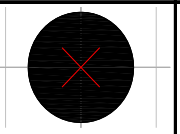
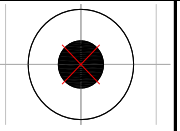
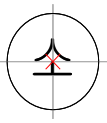
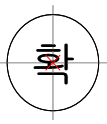
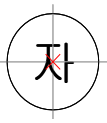
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	공기조화기	MHET151	MH-RDUT-EQPM	SCALE		팬(루프형)		
14		MHET161	MH-RDUT-EQPM	SCALE		팬(벽형)		
15		MHET2XX	MH-HEAT-EQPM	SCALE		방열기		
16		MHET3XX	MH-HEAT-EQPM	SCALE		컨벡터		
17		MHET4XX	MH-HEAT-EQPM	SCALE		팬코일유닛		
18	펌프	MHPTXXX	MH-HEAT-EQPM	SCALE		펌프		
19	덕트	MHDT101	MH-SDUT-FIXT	MMUNT		각형디퓨져		
20		MHDT111	MH-SDUT-FIXT	MMUNT		원형디퓨져		
21		MHDT121	MH-SDUT-FIXT	MMUNT		라인디퓨져		
22		MHDT131	MH-SDUT-FIXT	MMUNT		노즐디퓨져		
23		MHDT141	MH-SDUT-FIXT	MMUNT		웨이디퓨져		
24		MHDT1XX	MH-SDUT-FIXT	SQUAR		댐퍼		

4.4 소방설비(Fire prevention equipment) : MF

MF : 기계설비분야(M)+소방설비(F)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	소화전	MFHT1XX	MF-EQPM-OFHY	SCALE		옥외소화전(지상식)	C0256324	소화전
2		MFHT2XX	MF-EQPM-IFHY	SCALE		옥내소화전		
3		MFHT201	MF-EQPM-IFHY	SCALE		옥내소화전(일반)		
4		MFHT202	MF-EQPM-IFHY	SCALE		옥내소화전(단구방수구)		
5		MFHT203	MF-EQPM-IFHY	SCALE		옥내소화전(쌍구방수구)		
6		MFHT204	MF-EQPM-IFHY	SCALE		상수도소화전	C0256324	소화전
7		MFHT301	MF-EQPM-IFHY	SCALE		단구형방수구		
8		MFHT302	MF-EQPM-IFHY	SCALE		쌍구형방수구		
9		MFHT311	MF-EQPM-IFHY	SCALE		방수구함		
10		MFHT401	MF-EQPM-MISC	SCALE		호스격납함		
11		MFHT411	MF-EQPM-MISC	SCALE		건식PD		
12	스프링클러	MFST101	MF-EQPM-SPNK	SCALE		스프링클러헤드(상향식)		

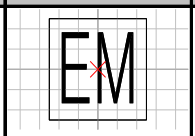
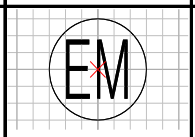
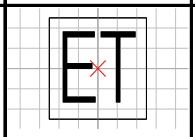
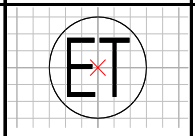
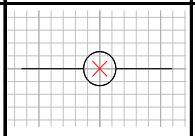
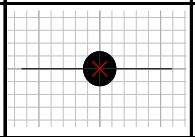
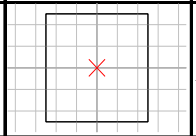
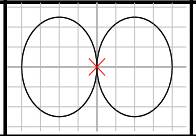
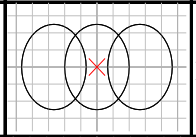
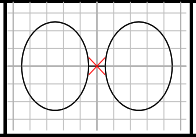
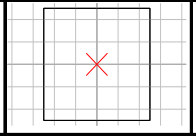
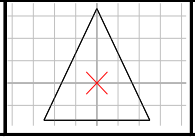
MF : 기계설비분야(M)+소방설비(F)

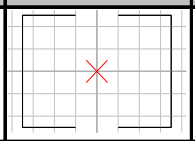
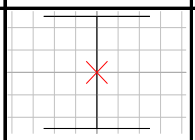
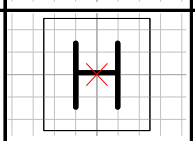
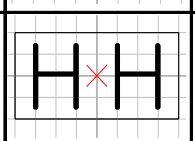
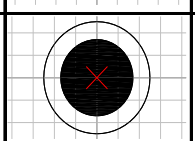
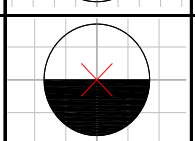
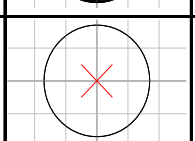
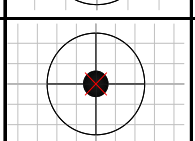
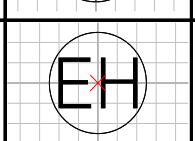
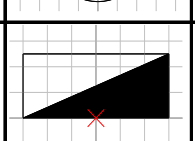
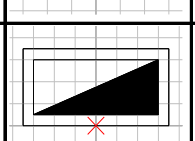
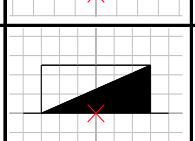
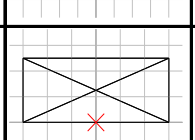
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	스프링클러	MFST201	MF-EQPM-SPNK	SCALE		스프링클러헤드(하향식)		
14		MFST301	MF-EQPM-SPNK	SCALE		스프링클러헤드(상하향식)		
15	소화기	MFET101	MF-EQPM-MISC	SCALE		ABC분말소화기		
16		MFET201	MF-EQPM-MISC	SCALE		자동확산소화기		
17		MFET301	MF-EQPM-MISC	SCALE		자동식소화기		

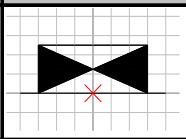
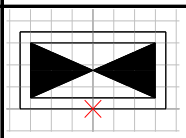
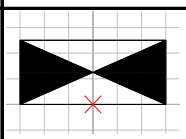
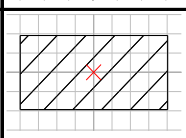
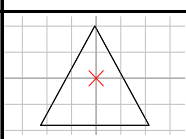
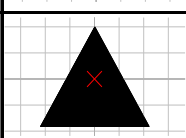
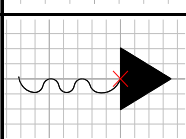
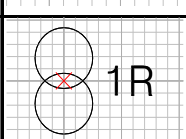
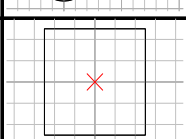
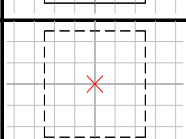
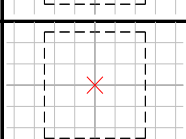
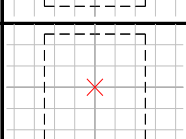
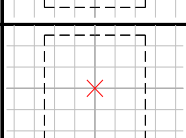
5. 전기설비분야 심벌 목록

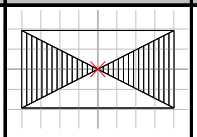
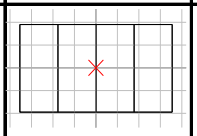
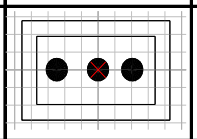
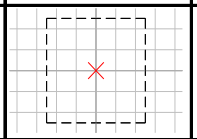
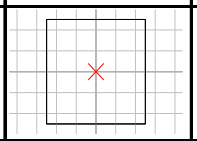
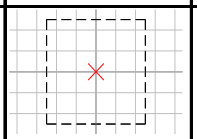
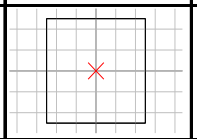
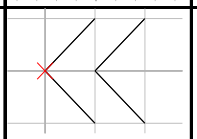
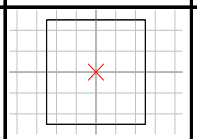
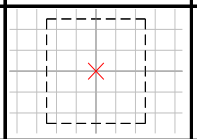
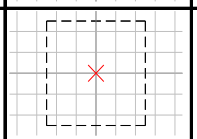
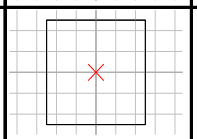
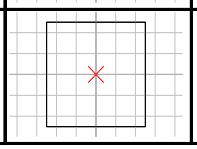
5.1 전기공통(Electrical Common) : EZ

EZ: 전기설비분야(E)+전기공통(Z)

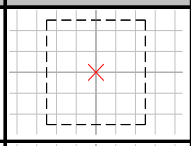
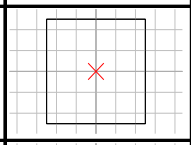
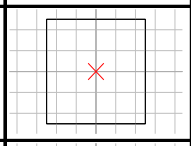
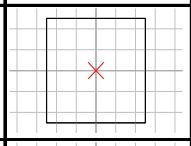
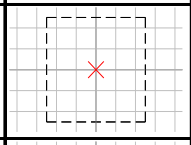
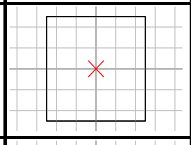
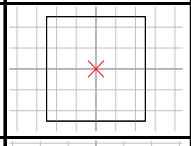
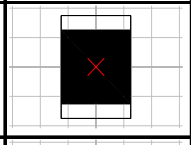
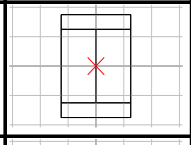
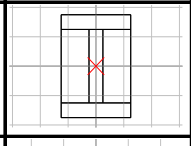
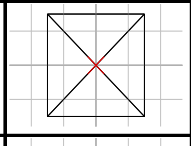
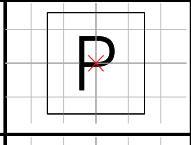
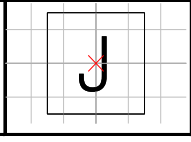
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	전기맨홀	EZMM101	E□-MANH	SCALE		전기맨홀(각형)	C0246344	전기맨홀
2		EZMM102	E□-MANH	SCALE		전기맨홀(원형)	C0246344	전기맨홀
3		EZMM201	E□-MANH	SCALE		전기통신맨홀(각형)	C0246344	전기맨홀
4		EZMM202	E□-MANH	SCALE		전기통신맨홀(원형)	C0246344	전기맨홀
5	전주	EZMM311	E□-POST	SCALE		전주(신설)	C0236242	전력주
6		EZMM321	E□-POST	SCALE		전주(기설)		
7		EZMM331	E□-POST	SCALE		A주		
8		EZMM341	E□-POST	SCALE		인형주		
9		EZMM351	E□-POST	SCALE		H주		
10		EZMM361	E□-POST	SCALE		계주		
11		EZPS101	E□-POST	SCALE		철주(사각)		
12		EZPS102	E□-POST	SCALE		철주(삼각)		

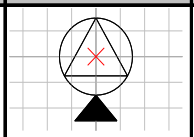
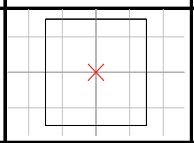
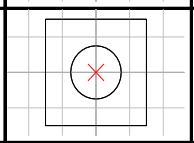
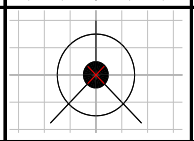
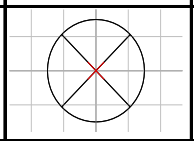
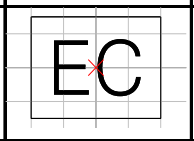
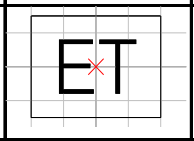
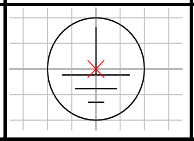
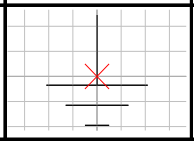
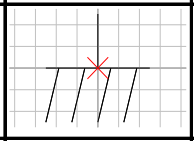
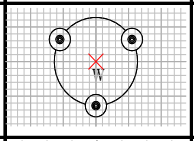
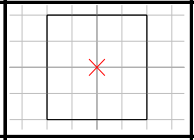
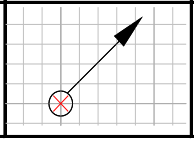
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	전주	EZPS103	E□-POST	SCALE		철주(챤넬)		
14		EZPS104	E□-POST	SCALE		철주(I형강)		
15		EZPS105	E□-POST	SCALE		철주(H형강-단주)		
16		EZPS106	E□-POST	SCALE		철주(H형강-복주)		
17		EZPP101	E□-POST	SCALE		강관주		
18		EZPC101	E□-POST	SCALE		콘크리트주		
19		EZPW101	E□-POST	SCALE		목주		
20	교통신호주	EZTP101	ED-POST	SCALE		교통신호주		추가
21	핸드홀	EZMH101	E□-MANH	SCALE		핸드홀(일반)	C0246344	전기맨홀
22	배분전반	EZPT111	E□-CTRL-PANL	SCALE		전등전열분전반-벽부형		
23		EZPT121	E□-CTRL-PANL	SCALE		전등전열분전반-방폭형		
24		EZPT131	E□-CTRL-PANL	SCALE		전등전열분전반-자립형		
25		EZPT211	E□-CTRL-PANL	SCALE		동력분전반-일반형		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	배분전반	EZPT221	E□-CTRL-PANL	SCALE		동력분전반-벽부형		
27		EZPT231	E□-CTRL-PANL	SCALE		동력분전반-방폭형		
28		EZPT241	E□-CTRL-PANL	SCALE		동력분전반-자립형		
29		EZPT251	E□-CTRL-PANL	SCALE		직류형 분전반		
30	주상변압기	EZPT311	E□-INST-TFMR	SCALE		주상변압기(신설)		
31		EZPT321	E□-INST-TFMR	SCALE		주상변압기(기설)		
32		EZPT331	E□-INST-TFMR	SCALE		주상변압기(지선)		
33		EZPT341	E□-INST-TFMR	SCALE		단상변압기		
34		EZPT342	E□-INST-TFMR	CENTER		3상변압기		
35		EZPT351	E□-INST-TFMR	CENTER		스콧트 변압기		
36		EZPT361	E□-INST-TFMR	CENTER		소내용 변압기		
37		EZPT371	E□-INST-TFMR	CENTER		단권 변압기		
38		EZPT381	E□-INST-TFMR	CENTER		보조변압기		

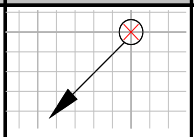
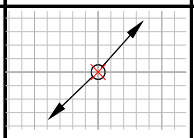
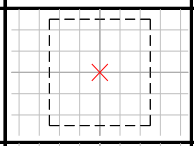
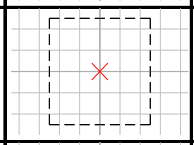
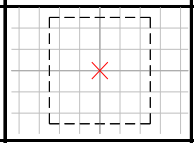
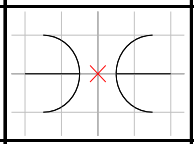
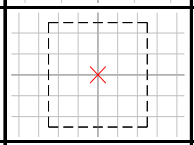
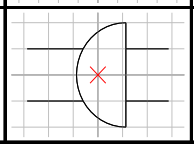
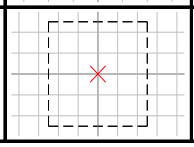
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	주상변압기	EZPT411	E□-CTRL-PANL	SCALE		제어반		
40		EZPT421	E□-CTRL-PANL	SCALE		재실 제어반		
41		EZPT431	E□-CTRL-PANL	SCALE		재실표시 스위치반		
42	변류기	EZCT101	E□-INST-CRTF	CENTER		계기용 변류기		
43		EZCT102	E□-INST-CRTF	CENTER		계기용 변류기(붓싱형)		
44		EZCT201	E□-INST-CRTF	CENTER		영상변류기		
45	차단기	EZBK101	E□-INST-BRAK	CENTER		교류차단기(일반)		
46		EZBK102	E□-INST-BRAK	SCALE		교류차단기(인출형)		
47		EZBK103	E□-INST-BRAK	CENTER		누전차단기		
48		EZBK104	E□-INST-BRAK	CENTER		가스차단기		
49		EZBK105	E□-INST-BRAK	CENTER		진공차단기(인출형)		
50		EZBK106	E□-INST-BRAK	CENTER		배선용차단기		
51	단로기	EZDC101	E□-INST-DCON	CENTER		단로기(일반)		

EZ: 전기설비분야(E)+전기공통(Z)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	단로기	EZDC102	E□-INST-DCON	CENTER		단로기(수동)		
53		EZDC103	E□-INST-DCON	CENTER		단로기(동력)		
54	개폐기	EZSW101	E□-INST-MISC	CENTER		개폐기		
55		EZSW102	E□-INST-MISC	CENTER		전자 개폐기		
56		EZSW103	E□-INST-MISC	CENTER		절환개폐기		
57		EZSW104	E□-INST-MISC	CENTER		고압교류부하개폐기		
58		EZSW105	E□-INST-MISC	CENTER		고압교류부하절체기		
59	접속/기구함	EZBT111	E□-CTRL-JUNT	SCALE		SYSTEM BOX-매입형		
60		EZBT112	E□-CTRL-JUNT	SCALE		SYSTEM BOX-DECKPLATE용		
61		EZBT113	E□-CTRL-JUNT	SCALE		SYSTEM BOX-FLOOR용		
62		EZBT121	E□-CTRL-JUNT	SCALE		OUT BOX		
63		EZBT131	E□-CTRL-JUNT	SCALE		PULL BOX		
64		EZBT141	E□-CTRL-JUNT	SCALE		JOINT BOX		

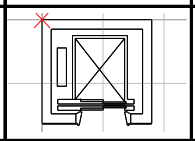
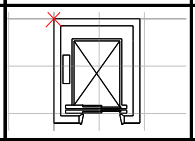
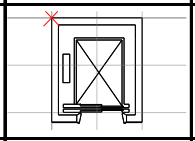
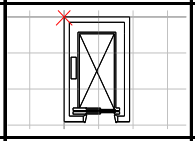
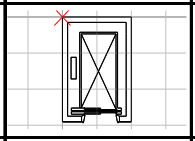
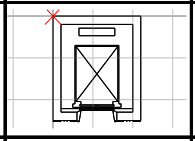
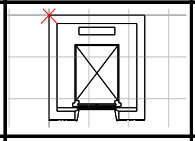
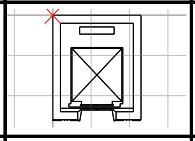
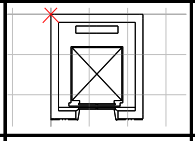
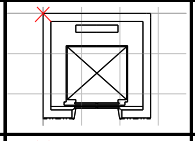
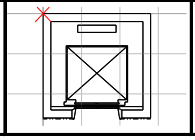
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
65	접속/기구함	EZBT151	E□-CTRL-JUNT	SCALE		Floor BOX		
66		EZBT161	E□-CTRL-JUNT	CENTER		정션박스		
67		EZBT171	E□-CTRL-JUNT	CENTER		점검구		
68	접지설비	EZGT111	E□-GRND-EQPM	SCALE		피뢰침		
69		EZGT121	E□-GRND-EQPM	SCALE		접지시험단자함		
70		EZGT122	E□-GRND-EQPM	SCALE		접지시험단자함 (EC)		
71		EZGT123	E□-GRND-EQPM	SCALE		접지시험단자함 (ET)		
72		EZGT131	E□-GRND-EQPM	SCALE		접지극		
73		EZGT132	E□-GRND-EQPM	SCALE		접지극-Earth		
74		EZGT133	E□-GRND-EQPM	SCALE		접지극-Ground		
75		EZGT134	E□-GRND-EQPM	SCALE		접지극-Floor		
76		EZGT135	E□-GRND-EQPM	CENTER		케이스접지		
77	입상/입하	EZUT111	E□-LINE-MISC	SCALE		상승		

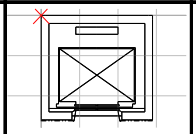
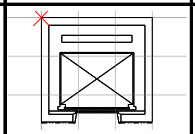
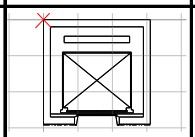
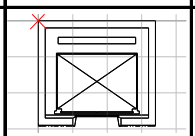
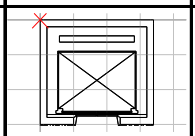
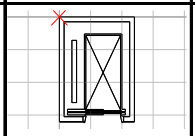
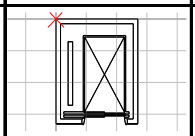
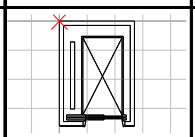
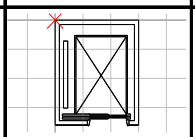
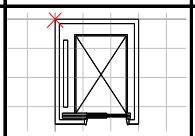
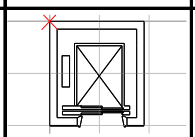
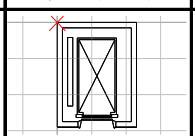
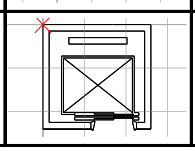
EZ: 전기설비분야(E)+전기공통(Z)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
78	입상/입하	EZUT121	E□-LINE-MISC	SCALE		인하		
79		EZUT131	E□-LINE-MISC	SCALE		소통		
80	퓨즈	EZFU101	E□-INST-MISC	CENTER		퓨즈(포장형)		
81		EZFU102	E□-INST-MISC	CENTER		퓨즈(개방형)		
82		EZFU103	E□-INST-MISC	CENTER		전력용 퓨즈		
83	기타	EZUM101	E□-INST-MISC	SCALE		방전갭(GAP)		
84		EZUM201	E□-INST-MISC	CENTER		케이블헤드		
85		EZUM301	E□-INST-MISC	SCALE		전원 플러그		
86		EZUM401	E□-INST-MISC	CENTER		전류제한기		

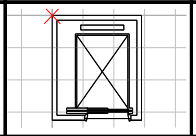
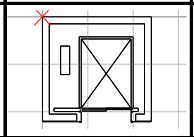
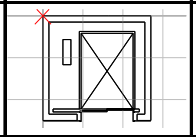
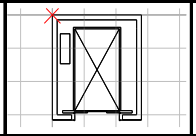
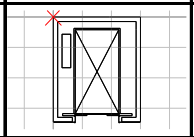
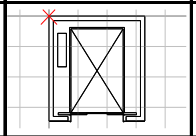
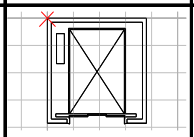
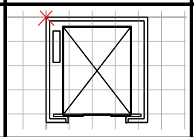
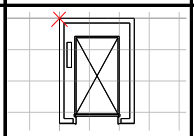
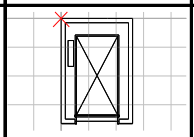
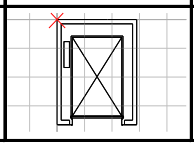
5.2 운송설비(Elevator Equipment) : EV

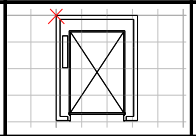
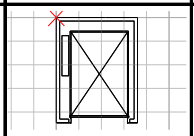
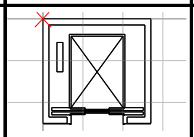
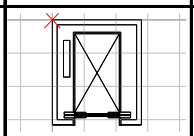
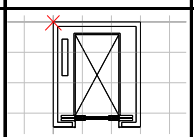
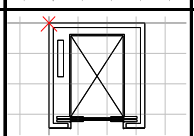
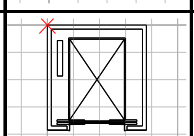
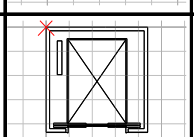
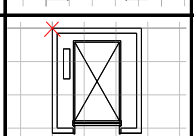
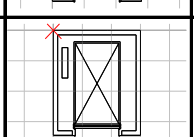
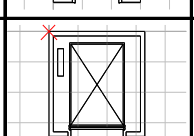
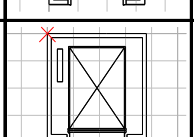
EV : 전기설비분야(E)+운송설비(V)

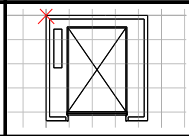
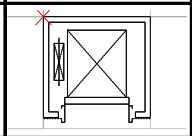
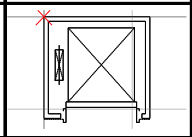
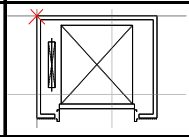
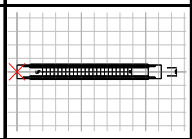
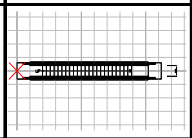
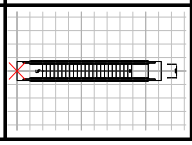
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	엘리베이터-승객용	EVPXXXX	ED-EQPM-PASS	MMUNT		엘리베이터-승객용		
2		EVPK011	ED-EQPM-PASS	MMUNT		320KG		
3		EVPK012	ED-EQPM-PASS	MMUNT		630KG 출입구800		
4		EVPK013	ED-EQPM-PASS	MMUNT		630KG 출입구900		
5		EVPK014	ED-EQPM-PASS	MMUNT		1000KG 출입구800		
6		EVPK015	ED-EQPM-PASS	MMUNT		1000KG 출입구900		
7		EVPK021	ED-EQPM-PASS	MMUNT		630KG 출입구800		
8		EVPK022	ED-EQPM-PASS	MMUNT		630KG 출입구900		
9		EVPK023	ED-EQPM-PASS	MMUNT		800KG 출입구800		
10		EVPK024	ED-EQPM-PASS	MMUNT		800KG 출입구900		
11		EVPK025	ED-EQPM-PASS	MMUNT		1000KG 출입구900		
12		EVPK026	ED-EQPM-PASS	MMUNT		1000KG 출입구1100		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	엘리베이터-승객용	EVPK027	ED-EQPM-PASS	MMUNT		1275KG 출입구1100		
14		EVPK031	ED-EQPM-PASS	MMUNT		1275KG		
15		EVPK032	ED-EQPM-PASS	MMUNT		1600KG		
16		EVPK033	ED-EQPM-PASS	MMUNT		1800KG		
17		EVPK034	ED-EQPM-PASS	MMUNT		2000KG		
18		EVPK041	ED-EQPM-PASS	MMUNT		1275KG		
19		EVPK042	ED-EQPM-PASS	MMUNT		1600KG		
20		EVPK044	ED-EQPM-PASS	MMUNT		2000KG		
21		EVPK046	ED-EQPM-PASS	MMUNT		2500KG 출입구폭 1300		
22		EVPK047	ED-EQPM-PASS	MMUNT		2500KG 출입구폭 1400		
23		EVPK051	ED-EQPM-PASS	MMUNT		450KG		
24		EVPK052	ED-EQPM-PASS	MMUNT		1000KG 카폭1100		
25		EVPK053	ED-EQPM-PASS	MMUNT		1000KG 카폭1750		

EV : 전기설비분야(E)+운송설비(V)

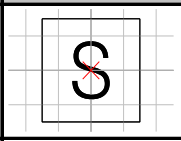
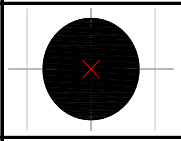
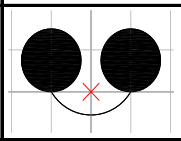
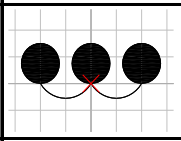
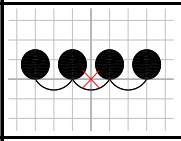
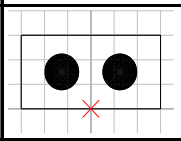
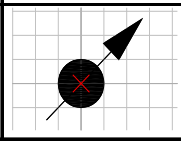
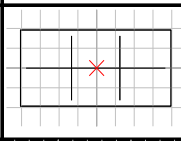
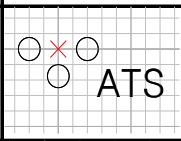
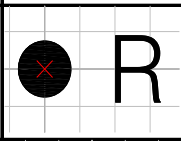
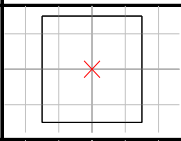
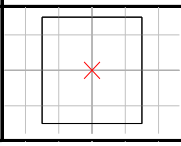
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	엘리베이터-승객용	EVPK054	ED-EQPM-PASS	MMUNT		2000KG		
27	엘리베이터-화물용	EVFXXXX	ED-EQPM-PASS	MMUNT		엘리베이터-화물용		
28	엘리베이터-화물용(A계열 문1)	EVFK1XX	ED-EQPM-PASS	MMUNT		엘리베이터-화물용(A계열 문1)		
29		EVFK101	ED-EQPM-PASS	MMUNT		630KG		
30		EVFK102	ED-EQPM-PASS	MMUNT		1000KG		
31		EVFK103	ED-EQPM-PASS	MMUNT		1600KG		
32		EVFK104	ED-EQPM-PASS	MMUNT		2000KG		
33		EVFK105	ED-EQPM-PASS	MMUNT		2500KG		
34		EVFK106	ED-EQPM-PASS	MMUNT		3500KG		
35		EVFK107	ED-EQPM-PASS	MMUNT		5000KG		
36		EVFK111	ED-EQPM-PASS	MMUNT		1600KG		
37		EVFK112	ED-EQPM-PASS	MMUNT		2000KG		
38		EVFK113	ED-EQPM-PASS	MMUNT		2500KG		

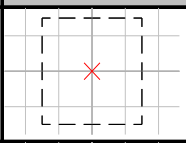
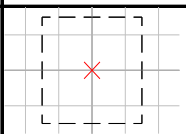
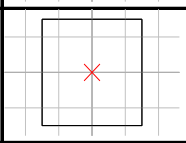
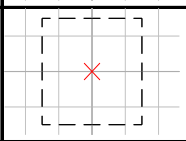
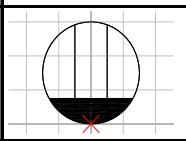
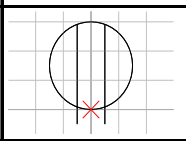
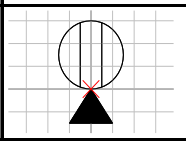
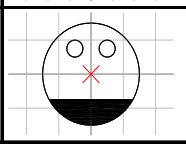
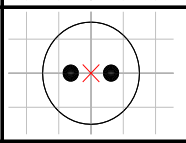
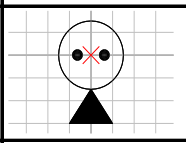
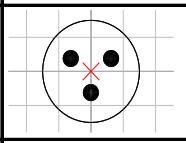
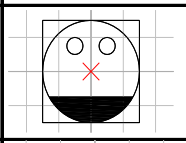
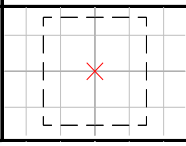
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	엘리베이터-화물용(A계열 문1)	EVFK114	ED-EQPM-PASS	MMUNT		3500KG		
40		EVFK115	ED-EQPM-PASS	MMUNT		5000KG		
41	엘리베이터-화물용(A계열 문2)	EVFK2XX	ED-EQPM-PASS	MMUNT		엘리베이터-화물용(A계열 문2)		
42		EVFK201	ED-EQPM-PASS	MMUNT		1000KG		
43		EVFK202	ED-EQPM-PASS	MMUNT		1600KG		
44		EVFK203	ED-EQPM-PASS	MMUNT		2000KG		
45		EVFK204	ED-EQPM-PASS	MMUNT		2500KG		
46		EVFK205	ED-EQPM-PASS	MMUNT		3500KG		
47		EVFK206	ED-EQPM-PASS	MMUNT		5000KG		
48		EVFK211	ED-EQPM-PASS	MMUNT		1600KG		
49		EVFK212	ED-EQPM-PASS	MMUNT		2000KG		
50		EVFK213	ED-EQPM-PASS	MMUNT		2500KG		
51		EVFK214	ED-EQPM-PASS	MMUNT		3500KG		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	엘리베이터-화물용(A계열문2)	EVFK215	ED-EQPM-PASS	MMUNT		5000KG		
53	덤웨이터	EVDXXXX	ED-EQPM-PASS	MMUNT		덤웨이터		
54		EVDK001	ED-EQPM-PASS	MMUNT		40KG		
55		EVDK002	ED-EQPM-PASS	MMUNT		100KG		
56		EVDK003	ED-EQPM-PASS	MMUNT		250KG		
57	에스컬레이터	EVSXXXX	ED-EQPM-PASS	MMUNT		에스컬레이터		
58		EVSK001	ED-EQPM-PASS	MMUNT		공칭스텝폭 600		
59		EVSK002	ED-EQPM-PASS	MMUNT		공칭스텝폭 800		
60		EVSK003	ED-EQPM-PASS	MMUNT		공칭스텝폭 1000		

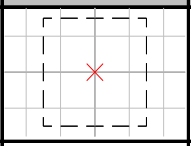
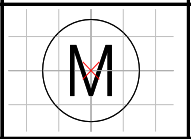
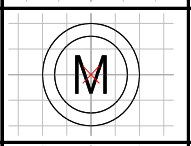
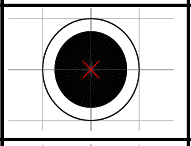
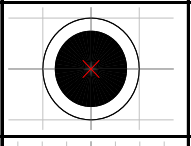
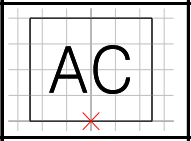
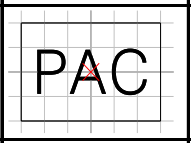
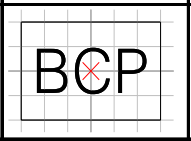
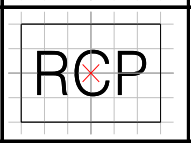
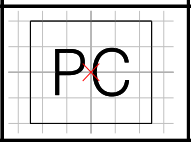
5.3 전력부하/배전설비(Electric power distribution) : EW

EW : 전기설비분야(E)+전력부하/배전설비(W)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	차단기	EWBT111	ED-CTRL	SCALE		간선용 차단기박스		
2	스위치	EWST111	ED-SWIT	SCALE		1연용 스위치(매입형)		
3		EWST121	ED-SWIT	SCALE		2연용 스위치(매입형)		
4		EWST131	ED-SWIT	SCALE		3연용 스위치(매입형)		
5		EWST141	ED-SWIT	SCALE		4연용 스위치(매입형)		
6		EWST151	ED-SWIT	SCALE		집합형 스위치(매입형)		
7		EWST161	ED-SWIT	SCALE		조광기 스위치(매입형)		
8		EWST171	ED-SWIT	SCALE		한전 PAD 스위치		
9		EWST181	ED-SWIT	SCALE		자동절체스위치(ATS)		
10		EWST191	ED-SWIT	SCALE		리모콘스위치		
11		EWST201	ED-SWIT	CENTER		컷아웃스위치		
12		EWST211	ED-SWIT	CENTER		압력 스위치		

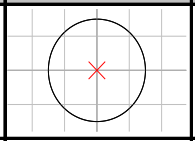
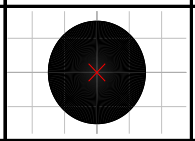
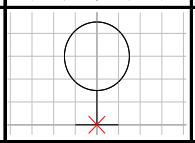
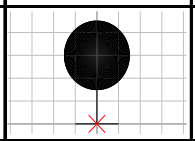
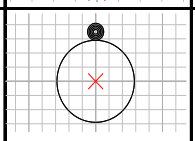
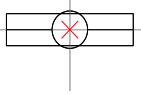
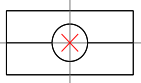
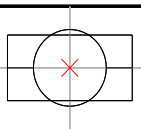
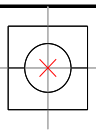
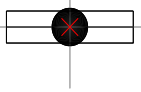
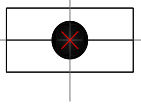
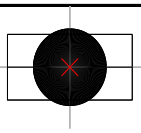
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	스위치	EWST221	ED-SWIT	CENTER		전압용 절환스위치		
14		EWST222	ED-SWIT	CENTER		전류용 절환스위치		
15		EWST231	ED-SWIT	CENTER		플로터스 스위치		
16		EWST232	ED-SWIT	CENTER		플로터레스 스위치 전극		
17	콘센트	EWCT111	ED-CONT	SCALE		150V -벽부형		
18		EWCT121	ED-CONT	SCALE		150V-천정형		
19		EWCT131	ED-CONT	SCALE		150V-Floor		
20		EWCT211	ED-CONT	SCALE		250V -벽부형		
21		EWCT221	ED-CONT	SCALE		250V -천정형		
22		EWCT231	ED-CONT	SCALE		250V -Floor		
23		EWCT311	ED-CONT	SCALE		삼상콘센트		
24		EWCT411	ED-CONT	SCALE		비상용콘센트		
25	콘덴서	EWCD111	ED-EQPM-MISC	CENTER		콘덴서		

EW : 전기설비분야(E)+전력부하/배전설비(W)

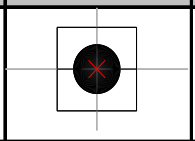
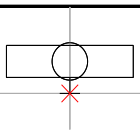
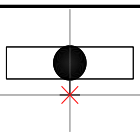
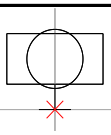
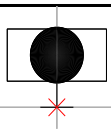
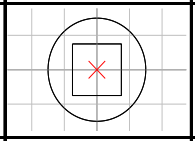
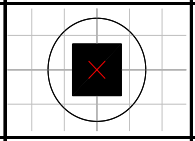
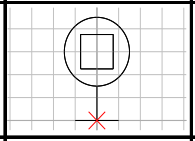
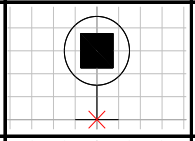
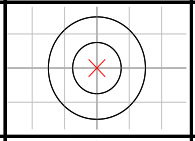
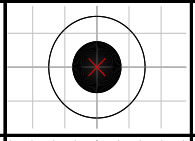
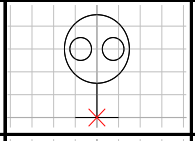
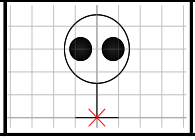
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	콘덴서	EWCD121	ED-EQPM-MISC	CENTER		전력용 콘덴서		
27	동력설비	EWMT111	ED-EQPM-MISC	SCALE		단상전동기		
28		EWMT121	ED-EQPM-MISC	SCALE		삼상전동기		
29		EWMT131	ED-SWIT	SCALE		전동기 수동 조작 스위치		
30		EWMT211	ED-SWIT	SCALE		조작스위치		
31		EWMT311	ED-EQPM-HVAC	SCALE		AC(에어컨)		
32		EWMT321	ED-EQPM-HVAC	SCALE		PAC(팩키지 에어컨)		
33		EWMT411	ED-EQPM-HVAC	SCALE		BCP(보일러)		
34		EWMT511	ED-EQPM-HVAC	SCALE		RCP(냉동기)		
35		EWMT611	ED-EQPM-MISC	SCALE		PC(컴퓨터)		

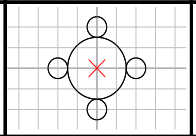
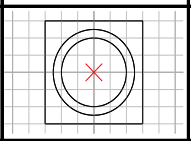
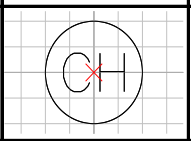
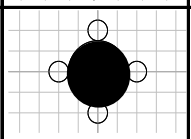
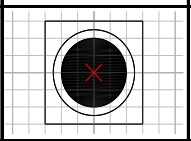
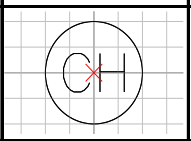
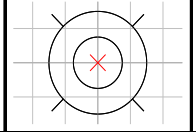
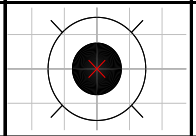
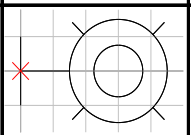
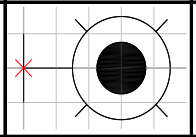
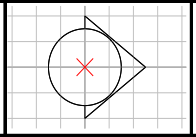
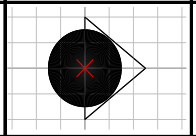
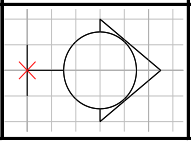
5.4 조명설비(Lighting system) : EL

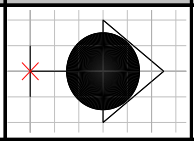
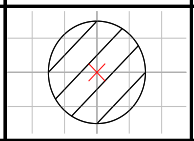
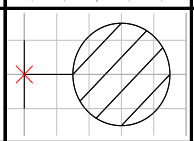
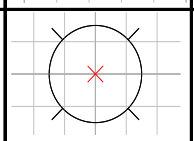
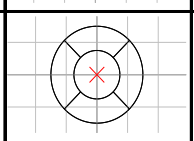
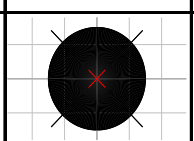
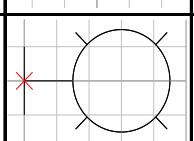
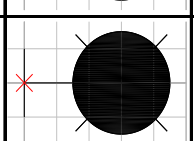
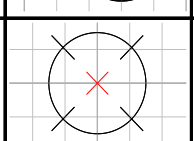
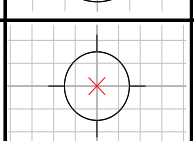
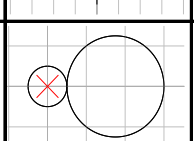
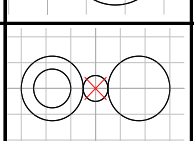
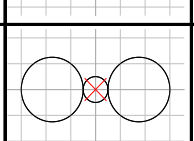
EL : 전기설비분야(E)+조명설비(L)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	백열등	ELIGC11	ED-LIGH-ICAN	SCALE		백열등-천정형일반		
2		ELIEC11	ED-LIGH-ICAN	SCALE		백열등-천정형비상		
3		ELIGW11	ED-LIGH-ICAN	SCALE		백열등-벽부형일반		
4		ELIEW11	ED-LIGH-ICAN	SCALE		백열등-벽부형비상		
5		ELIGS11	ED-LIGH-ICAN	SCALE		센서등-천정형일반		
6	형광등	ELFGC11	ED-LIGH-FLUR	MMUNT		형광등-천정형일반 300(1250)		
7		ELFGC21	ED-LIGH-FLUR	MMUNT		형광등-천정형일반 600(1250)		
8		ELFGC31	ED-LIGH-FLUR	MMUNT		형광등-천정형일반 300(600)		
9		ELFGC41	ED-LIGH-FLUR	MMUNT		형광등-천정형일반 600(600)		
10		ELFEC11	ED-LIGH-FLUR	MMUNT		형광등-천정형비상 300(1250)		
11		ELFEC21	ED-LIGH-FLUR	MMUNT		형광등-천정형비상 600(1250)		
12		ELFEC31	ED-LIGH-FLUR	MMUNT		형광등-천정형비상 300(600)		

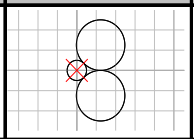
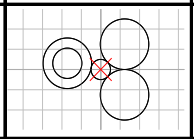
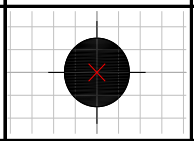
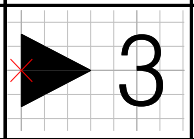
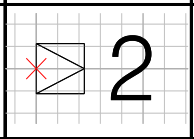
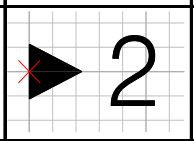
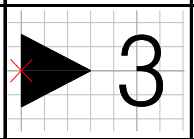
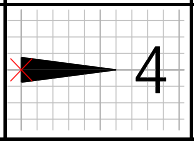
EL : 전기설비분야(E)+조명설비(L)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	형광등	ELFEC62	ED-LIGH-FLUR	MMUNT		형광등-천정형비상 600(600)		
14		ELFGW11	ED-LIGH-FLUR	MMUNT		형광등-벽부형일반 300(1250)		
15		ELFGW12	ED-LIGH-FLUR	MMUNT		형광등-벽부형비상 300(1250)		
16		ELFEW11	ED-LIGH-FLUR	MMUNT		형광등-벽부형일반 300(600)		
17		ELFEW21	ED-LIGH-FLUR	MMUNT		형광등-벽부형비상 300(600)		
18	전구식 형광등	ELEGC11	ED-LIGH-FLUR	SCALE		전구식형광등-천정형일반		
19		ELEEC11	ED-LIGH-FLUR	SCALE		전구식형광등-천정형비상		
20		ELEGW11	ED-LIGH-FLUR	SCALE		전구식형광등-벽부형일반		
21		ELEEW11	ED-LIGH-FLUR	SCALE		전구식형광등-벽부형비상		
22	할로겐등	ELHGC11	ED-LIGH-MISC	SCALE		할로겐등-천정형일반		
23		ELHEC11	ED-LIGH-MISC	SCALE		할로겐등-천정형비상		
24		ELHGW11	ED-LIGH-MISC	SCALE		할로겐등-벽부형일반		
25		ELHEW11	ED-LIGH-MISC	SCALE		할로겐등-벽부형비상		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	상드리에	ELSGC11	ED-LIGH-MISC	SCALE		상드리에컴팩트형-일반		
27		ELSGC21	ED-LIGH-MISC	SCALE		상드리에서클형-일반		
28		ELSGC31	ED-LIGH-MISC	SCALE		상드리에특수형-일반		
29		ELSEC11	ED-LIGH-MISC	SCALE		상드리에컴팩트형-비상		
30		ELSEC21	ED-LIGH-MISC	SCALE		상드리에서클형-비상		
31		ELSEC31	ED-LIGH-MISC	SCALE		상드리에특수형-일반		
32	방전등	ELDGC11	ED-LIGH-SPEC	SCALE		방전등 천정형-일반		
33		ELDEC11	ED-LIGH-SPEC	SCALE		방전등 천정형-비상		
34		ELDGW11	ED-LIGH-SPEC	SCALE		방전등 벽부형-일반		
35		ELDEW11	ED-LIGH-SPEC	SCALE		방전등 벽부형-비상		
36	특수등	ELPGC11	ED-LIGH-SPEC	SCALE		스포트등-천정형일반		
37		ELPEC11	ED-LIGH-SPEC	SCALE		스포트등-천정형비상		
38		ELPGW11	ED-LIGH-SPEC	SCALE		스포트등-벽부형일반		

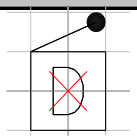
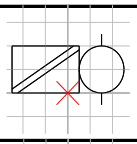
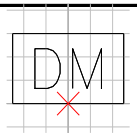
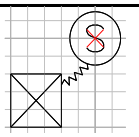
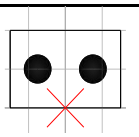
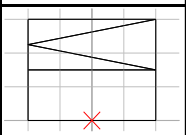
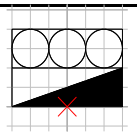
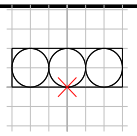
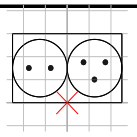
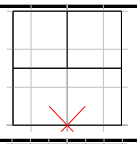
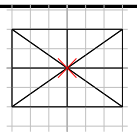
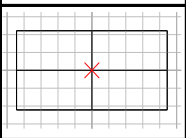
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	특수등	ELPEW11	ED-LIGH-SPEC	SCALE		스포트등-벽부형비상		
40		ELPBC11	ED-LIGH-SPEC	SCALE		밧데리등-천정형		
41		ELPBW11	ED-LIGH-SPEC	SCALE		밧데리등-벽부형		
42	보안등	ELKGC11	ED-LIGH-MISC	SCALE		보안등 천정형-일반		
43		ELKGC12	ED-LIGH-MISC	SCALE		보안등 천정형-일반		
44		ELKEC11	ED-LIGH-MISC	SCALE		보안등 천정형-비상		
45		ELKGW11	ED-LIGH-MISC	SCALE		보안등 벽부형-일반		
46		ELKEW11	ED-LIGH-MISC	SCALE		보안등 벽부형-비상		
47		ELKSS11	ED-LIGH-MISC	SCALE		옥외보안등		
48	가로등	ELOGXXX	ED-SLGH	SCALE		가로등 일반		
49		ELOGA11	ED-SLGH	SCALE		가로등-TYPE A	C0223367	가로등
50		ELOGB11	ED-SLGH	SCALE		가로등-TYPE B(보행등 병행)	C0223367	가로등
51		ELOGB12	ED-SLGH	SCALE		가로등-TYPE B(T형)	C0223367	가로등

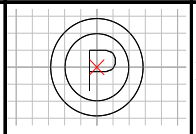
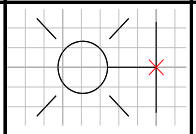
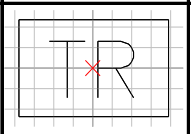
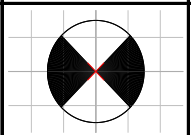
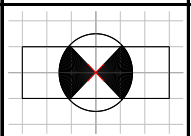
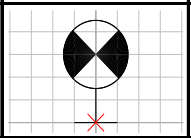
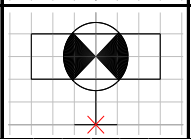
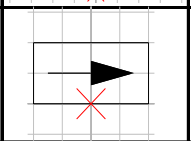
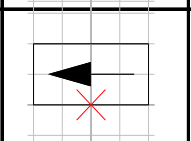
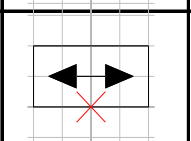
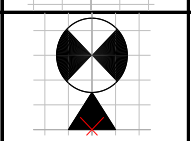
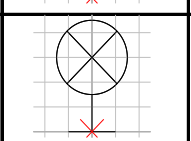
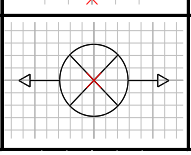
EL : 전기설비분야(E)+조명설비(L)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	가로등	ELOGB13	ED-SLGH	SCALE		가로등-TYPE B(Y형)	C0223367	가로등
53		ELOGC11	ED-SLGH	SCALE		가로등-TYPE C(Y형, 보행등 병행)	C0223367	가로등
54		ELOEXXX	ED-SLGH	SCALE		가로등 비상		
55	교통신호등	ELTGXXX	ED-TLGH	SCALE		교통신호등 일반	C0493376	신호등
56		ELTGA11	ED-TLGH	SCALE		교통신호등-1면2색 보행등	C0493376	신호등
57		ELTGB11	ED-TLGH	SCALE		교통신호등-1면2색 차량등	C0493376	신호등
58		ELTGB12	ED-TLGH	SCALE		교통신호등-1면3색 차량등	C0493376	신호등
59		ELTGB13	ED-TLGH	SCALE		교통신호등-1면4색 차량등	C0493376	신호등

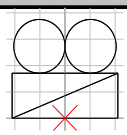
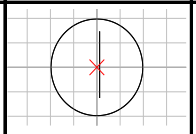
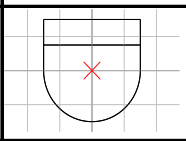
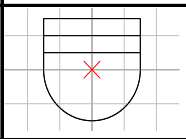
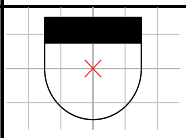
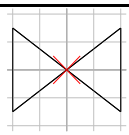
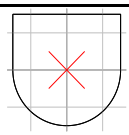
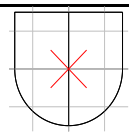
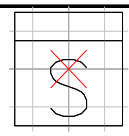
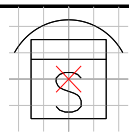
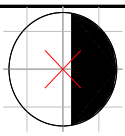
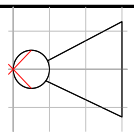
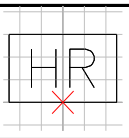
5.5 소방전기(Fire prevention equipment) : EF

EF : 전기설비분야(E)+소방전기(F)

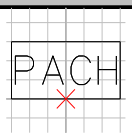
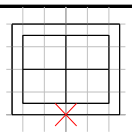
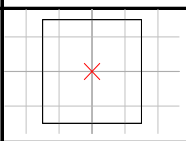
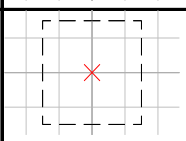
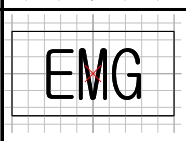
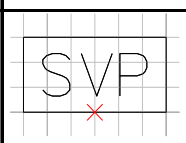
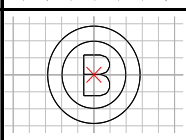
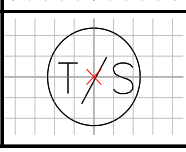
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	배연설비	EFFT111	EF-EQPM-PREV	SCALE		방화도아릴리즈		
2		EFFT121	EF-EQPM-SMOK	SCALE		제연댐퍼		
3		EFFT122	EF-EQPM-SMOK	SCALE		제연댐퍼 조작반		
4		EFFT131	EF-EQPM-PREV	SCALE		방화샷터		
5		EFFT132	EF-EQPM-PREV	SCALE		샷터 조작스위치		
6		EFFT133	EF-EQPM-PREV	SCALE		방화샷터제어반		
7	수발신기	EFFT201	EF-DTEC-DEVC	SCALE		소화전내수동발신기		
8		EFFT211	EF-DTEC-DEVC	SCALE		단독형수동발신기		
9		EFFT221	EF-DTEC-DEVC	SCALE		비상콘센트		
10		EFFT231	EF-DTEC-DEVC	SCALE		R형중계기		
11		EDFT241	EF-DTEC-DEVC	SCALE		수신반		
12		EFFT242	EF-DTEC-DEVC	SCALE		부수신반		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	수발신기	EFFT251	EF-DTEC-DEVC	SCALE		P형 발신기		
14		EFFT261	EF-DTEC-MISC	SCALE		청각장애인용 시각경보기		
15		EFFT271	EF-DTEC-MISC	SCALE		비상전원반		
16	유도등설비	EFFT311	EF-EQPM-LAMP	SCALE		피난구유도등-천정형(원형)		
17		EFFT321	EF-EQPM-LAMP	SCALE		피난구유도등-천정형(사각)		
18		EFFT331	EF-EQPM-LAMP	SCALE		피난구유도등-벽부형(원형)		
19		EFFT341	EF-EQPM-LAMP	SCALE		피난구유도등-벽부형(사각)		
20		EFFT411	EF-EQPM-LAMP	SCALE		통로유도등-우측		
21		EFFT421	EF-EQPM-LAMP	SCALE		통로유도등-좌측		
22		EFFT431	EF-EQPM-LAMP	SCALE		통로유도등-양방향		
23		EFFT441	EF-EQPM-LAMP	SCALE		객석유도등		
24		EFFT451	EF-EQPM-LAMP	SCALE		피난구 유도표시		
25		EFFT452	EF-EQPM-LAMP	SCALE		통로 유도표시		

EF : 전기설비분야(E)+소방전기(F)

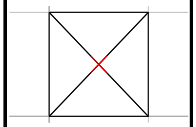
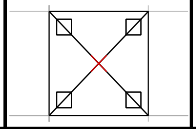
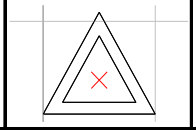
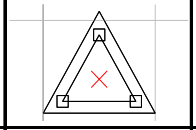
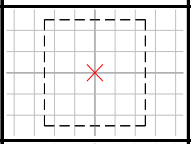
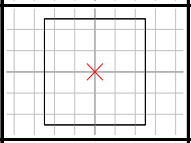
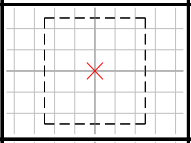
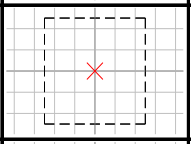
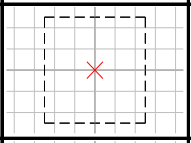
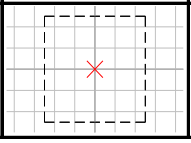
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	유도등설비	EFFT461	EF-EQPM-LAMP	SCALE		옥내소화전		
27		EFFT471	EF-EQPM-LAMP	SCALE		위치표시등		
28	자탐설비	EFFT511	EF-DTEC-SENC	SCALE		화재탐지기(Fire detector)		
29		EFFT512	EF-DTEC-SENC	SCALE		차동식감지기-방폭형		
30		EFFT513	EF-DTEC-SENC	SCALE		차동식감지기-벽부형		
31		EFFT521	EF-DTEC-SENC	SCALE		공기관식감지기		
32		EFFT531	EF-DTEC-SENC	SCALE		정온식감지기		
33		EFFT532	EF-DTEC-SENC	SCALE		정온식감지기-방폭형		
34		EFFT541	EF-DTEC-SENC	SCALE		연기식감지기-광전식		
35		EFFT542	EF-DTEC-SENC	SCALE		연기식감지기-복합식		
36	하론설비	EFFT611	EF-EQPM-MISC	SCALE		소화가스 방출표시등		
37		EFFT621	EF-EQPM-MISC	SCALE		소화가스 싸이렌		
38		EFFT631	EF-EQPM-MISC	SCALE		소화가스 조작함		

EF : 전기설비분야(E)+소방전기(F)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	하론설비	EFFT641	EF-EQPM-MISC	SCALE		소화가스 PAC		
40		EFFT651	EF-EQPM-MISC	SCALE		소화가스 수신반		
41		EFFT711	EF-EQPM-MISC	CENTER		누전경보기		
42		EFFT712	EF-EQPM-MISC	CENTER		누전화재경보기		
43	기타	EFMT101	EF-EQPM-MISC	SCALE		비상문		
44		EFMT111	EF-EQPM-MISC	SCALE		수퍼바이저 판넬		
45		EFMT121	EF-EQPM-MISC	SCALE		화재경보용 경종		
46		EFMT131	EF-EQPM-MISC	SCALE		탬퍼 스위치		

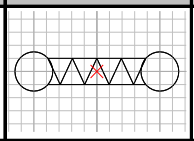
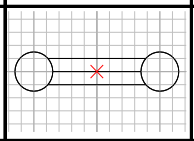
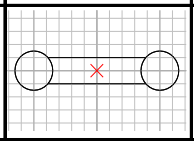
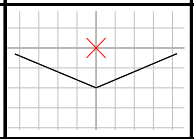
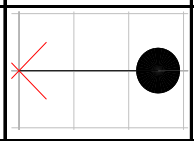
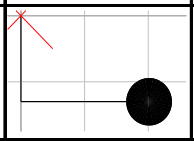
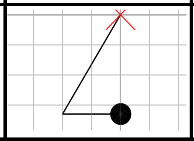
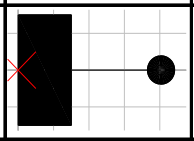
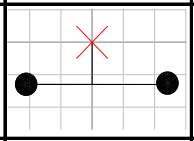
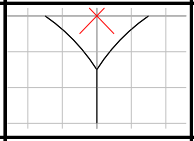
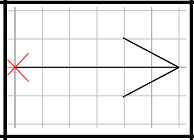
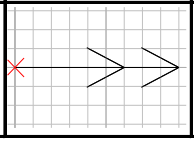
5.6 송변전설비(Power transmission) : ET

ET : 전기설비분야(E)+송변전설비(T)

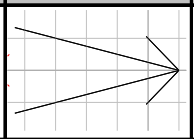
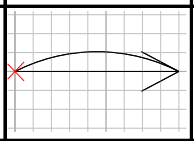
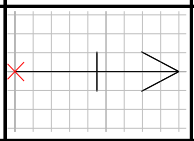
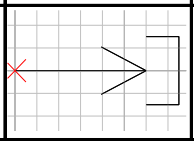
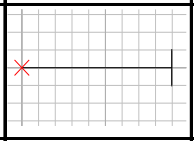
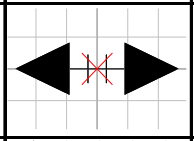
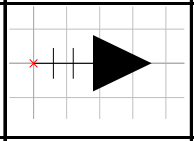
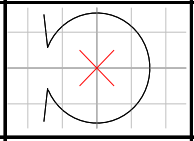
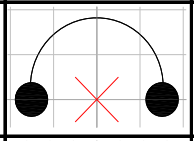
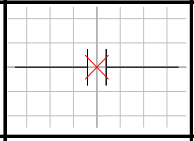
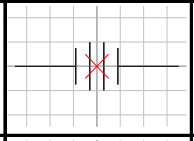
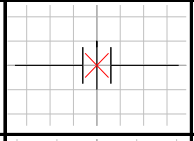
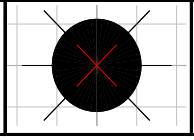
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	철탑	ETWT101	ET-TOWR	CENTER		기존 철탑(일반)		
2		ETWT102	ET-TOWR	CENTER		신규 철탑(일반)		
3		ETWT201	ET-TOWR	CENTER		기존 철탑(삼각)		
4		ETWT202	ET-TOWR	CENTER		신규 철탑(삼각)		
5	변전소	ETSS101	ET-SSTA-BLDG	CENTER		한전 변전소	B0014313	변전소
6		ETSS102	ET-SSTA-BLDG	CENTER		전철용 변전소	B0014313	변전소
7	급전소	ETFS101	ET-FSTA-BLDG	CENTER		병열 급전소		
8	구분소	ETDS101	ET-DSTA-BLDG	CENTER		급전 구분소		
9		ETDS102	ET-DSTA-BLDG	CENTER		보조급전 구분소		
10	전기제어소	ETCS101	ET-DSTA-MISC	CENTER		전기제어소		

5.7 전차선(Catenary) : EN

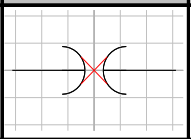
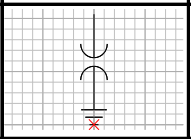
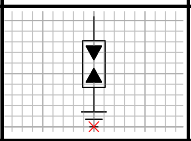
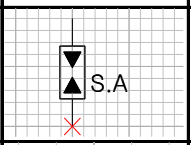
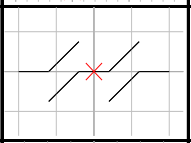
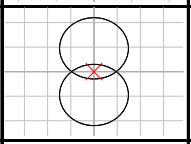
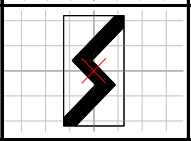
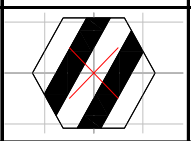
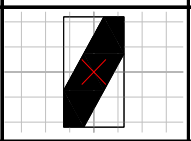
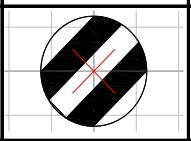
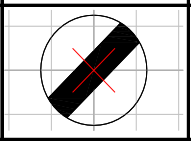
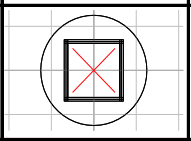
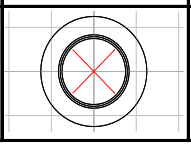
EN : 전기설비분야(E)+전차선(N)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	전선로 구조물	ENST101	EN-POST-BEAM	M-UNT		고정빔(사각트러스)		
2		ENSV101	EN-POST-BEAM	M-UNT		고정빔(V형라멘)		
3		ENSC101	EN-POST-BEAM	M-UNT		고정빔(챤넬)		
4		ENSS101	EN-POST-BEAM	M-UNT		고정빔(스팬선)		
5	전선로 지지물	ENUB101	EN-POST-BRKT	SCALE		브래킷(일반)		
6		ENUB102	EN-POST-BRKT	SCALE		브래킷(고정빔용)		
7		ENUB103	EN-POST-BRKT	SCALE		브래킷(하수강용)		
8		ENUB104	EN-POST-BRKT	SCALE		브래킷(터널용)		
9		ENUH101	EN-POST-MISC	SCALE		하수강(일반용, H형강용)		
10		ENUH201	EN-POST-MISC	SCALE		하수강(Y형)		
11	전철주 지선	ENUS101	EN-SUPT-LINE	SCALE		지선(일반)		
12		ENUS102	EN-SUPT-LINE	SCALE		지선(2단)		

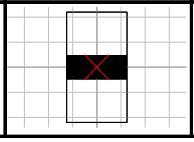
EN : 전기설비분야(E)+전차선(N)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	전철주 지선	ENUS103	EN-SUPT-LINE	SCALE		지선(V형)		
14		ENUS104	EN-SUPT-LINE	SCALE		지선(궁형)		
15		ENUS105	EN-SUPT-LINE	SCALE		지선(수평)		
16		ENUS106	EN-SUPT-LINE	SCALE		지선(방호)		
17		ENUS201	EN-SUPT-MISC	SCALE		지주		
18	전선로 보조장치	ENAT101	EN-EQPM-TENS	SCALE		자동장력조정장치		
19		ENAT102	EN-EQPM-TENS	SCALE		인류장치		
20		ENAT201	EN-EQPM-VOLT	SCALE		균압선(TMMT)		
21		ENAT202	EN-EQPM-VOLT	SCALE		균압선(MT,TMT)		
22		ENAT301	EN-EQPM-DIVI	SCALE		구분장치(애자색 숀)		
23		ENAT302	EN-EQPM-DIVI	SCALE		절연구분장치(교/직)		
24		ENAT303	EN-EQPM-DIVI	SCALE		절연구분장치(교/교)		
25		ENAT304	EN-EQPM-MIDA	SCALE		흐름방지장치		

EN : 전기설비분야(E)+전차선(N)

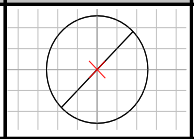
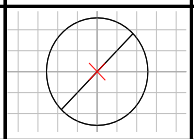
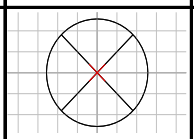
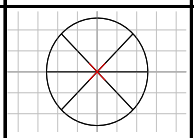
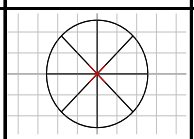
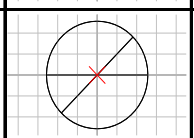
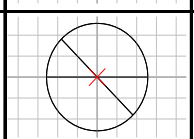
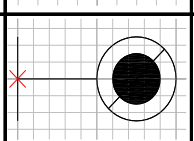
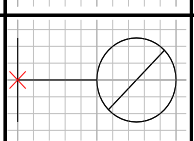
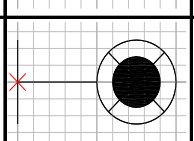
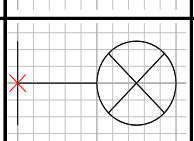
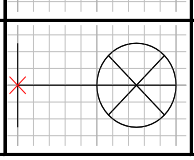
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	전선로 보조장치	ENAT305	EN-EQPM-MIDA	SCALE		애자구분		
27		ENAT401	EN-EQPM-MISC	SCALE		보안기		
28		ENAT402	EN-EQPM-MISC	SCALE		피뢰기		
29		ENAT403	EN-EQPM-MISC	SCALE		써지압소바		
30		ENAT501	EN-EQPM-MISC	SCALE		사구간		
31		ENAT601	EN-EQPM-MISC	SCALE		전압센서		
32	표지류	ENNT101	EN-SIGN	SCALE		가선종단표		
33		ENNT201	EN-SIGN	SCALE		절연구간표(교/직)		
34		ENNT202	EN-SIGN	SCALE		절연구간표(교/교)		
35		ENNT203	EN-SIGN	SCALE		절연구간예고표		
36		ENNT301	EN-SIGN	SCALE		타행표		
37		ENNT302	EN-SIGN	SCALE		역행표(전기동차용)		
38		ENNT303	EN-SIGN	SCALE		역행표(전기기관차용)		

EN : 전기설비분야(E)+전차선(N)

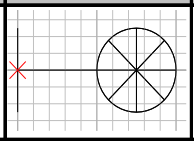
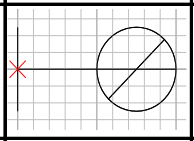
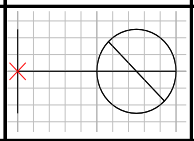
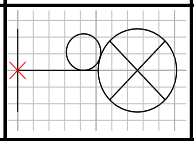
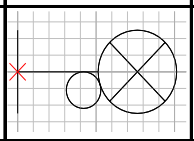
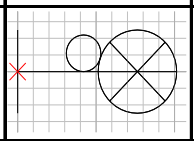
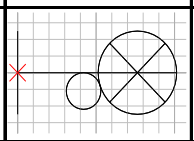
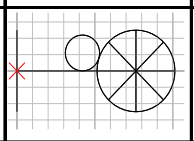
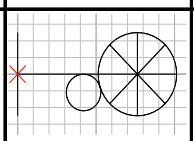
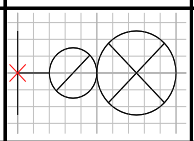
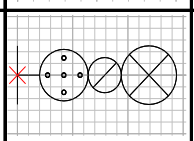
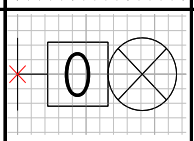
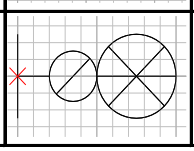
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	표지류	ENNT401	EN-SIGN	SCALE		구분표		

5.8 철도신호(Rail Signal) : EG

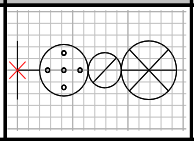
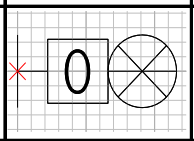
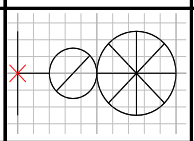
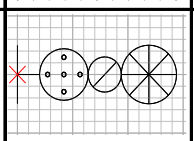
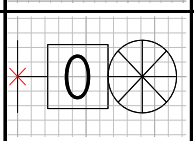
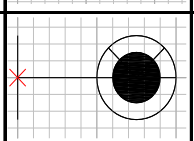
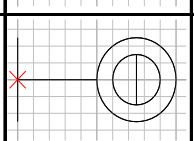
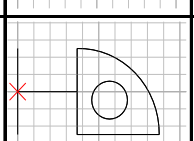
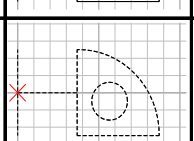
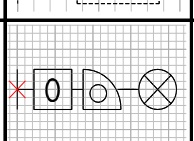
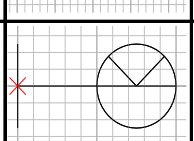
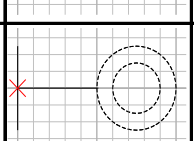
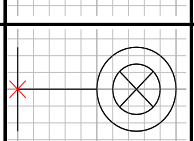
EG : 전기설비분야(E)+철도신호(G)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	전기신호기	EGESXXX	EG-RAIL-SIGN	SCALE		신호기(일반)		
2		EGES101	EG-RAIL-SIGN	SCALE		신호기(2현시)		
3		EGES102	EG-RAIL-SIGN	SCALE		신호기(3현시)		
4		EGES103	EG-RAIL-SIGN	SCALE		신호기(4현시)		
5		EGES104	EG-RAIL-SIGN	SCALE		신호기(5현시)		
6		EGES105	EG-RAIL-SIGN	SCALE		신호기(정지,경계 및 주의신호, 다등형)		
7		EGES106	EG-RAIL-SIGN	SCALE		신호기(정지,경계 및 진행신호, 다등형)		
8		EGES201	EG-RAIL-SIGN	SCALE		장내,출발신호기(2현시,단등형)		
9		EGES202	EG-RAIL-SIGN	SCALE		장내,출발신호기(2현시,다등형)		
10		EGES203	EG-RAIL-SIGN	SCALE		장내,출발신호기(3현시,단등형)		
11		EGES204	EG-RAIL-SIGN	SCALE		장내,출발신호기(3현시,다등형)		
12		EGES205	EG-RAIL-SIGN	SCALE		장내,출발신호기(4현시,다등형)		

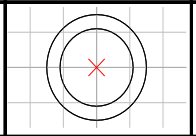
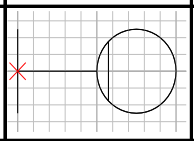
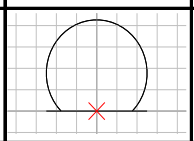
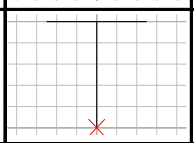
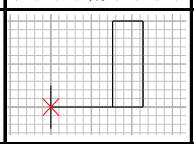
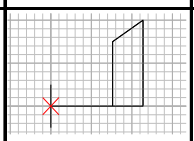
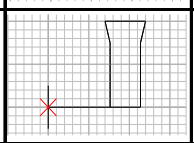
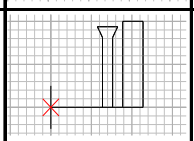
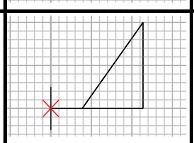
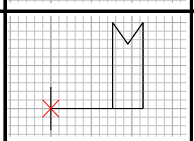
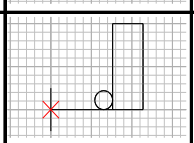
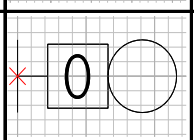
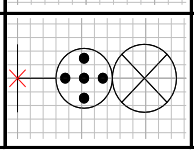
EG : 전기설비분야(E)+철도신호(G)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	전기신호기	EGES206	EG-RAIL-SIGN	SCALE		장내,출발신호기(5현시,다등형)		
14		EGES207	EG-RAIL-SIGN	SCALE		장내,출발신호기(정지,경계 및 주의신호, 다등형)		
15		EGES208	EG-RAIL-SIGN	SCALE		장내,출발신호기(정지,경계 및 진행신호, 다등형)		
16		EGES301	EG-RAIL-BLOK	SCALE		폐색신호기(3현시,상선)		
17		EGES302	EG-RAIL-BLOK	SCALE		폐색신호기(3현시,하선)		
18		EGES303	EG-RAIL-BLOK	SCALE		폐색신호기(4현시,상선)		
19		EGES304	EG-RAIL-BLOK	SCALE		폐색신호기(4현시,하선)		
20		EGES305	EG-RAIL-BLOK	SCALE		폐색신호기(5현시,상선)		
21		EGES306	EG-RAIL-BLOK	SCALE		폐색신호기(5현시,하선)		
22		EGES401	EG-RAIL-SIGN	SCALE		유도신호기(3현시,단진로)		
23		EGES402	EG-RAIL-SIGN	SCALE		유도신호기(3현시,등열식)		
24		EGES403	EG-RAIL-SIGN	SCALE		유도신호기(3현시,문자식)		
25		EGES404	EG-RAIL-SIGN	SCALE		유도신호기(4현시,단진로)		

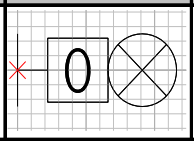
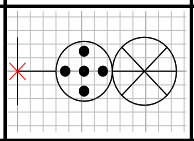
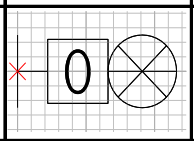
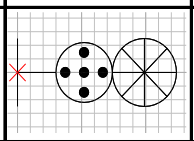
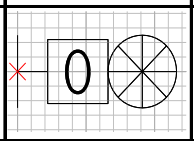
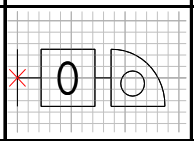
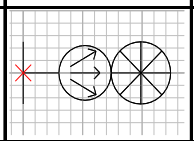
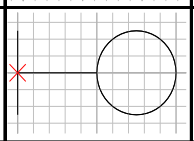
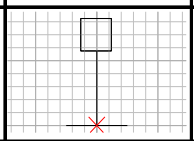
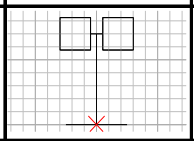
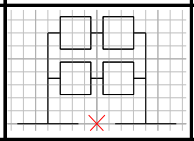
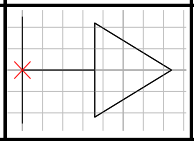
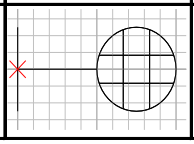
EG : 전기설비분야(E)+철도신호(G)

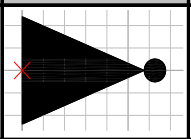
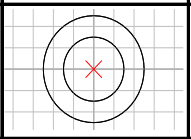
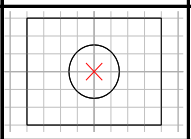
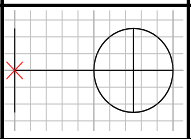
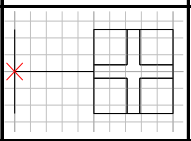
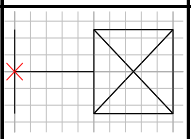
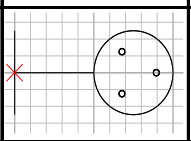
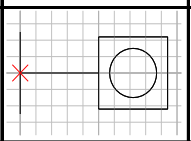
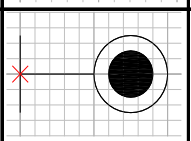
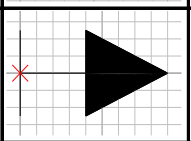
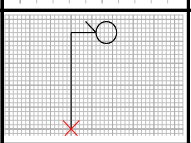
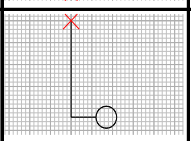
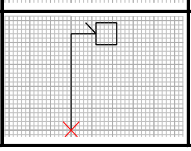
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	전기신호기	EGES405	EG-RAIL-SIGN	SCALE		유도신호기(4현시, 등열식)		
27		EGES406	EG-RAIL-SIGN	SCALE		유도신호기(4현시, 문자식)		
28		EGES407	EG-RAIL-SIGN	SCALE		유도신호기(5현시, 단진로)		
29		EGES408	EG-RAIL-SIGN	SCALE		유도신호기(5현시, 등열식)		
30		EGES409	EG-RAIL-SIGN	SCALE		유도신호기(5현시, 문자식)		
31		EGET101	EG-RAIL-SIGN	SCALE		중계신호기(단등형)		
32		EGET102	EG-RAIL-SIGN	SCALE		중계신호기(다등형)		
33		EGET201	EG-RAIL-SIGN	SCALE		입환신호기(색등식,등열식 공용)		
34		EGET202	EG-RAIL-SIGN	SCALE		입환신호기(무유도표시)		
35		EGET203	EG-RAIL-SIGN	SCALE		입환신호기(취부형)		
36		EGET301	EG-RAIL-SIGN	SCALE		원방신호기		
37		EGET401	EG-RAIL-SIGN	SCALE		궤도경계표지		
38		EGET501	EG-RAIL-SIGN	SCALE		진행정위 신호기(일반)		

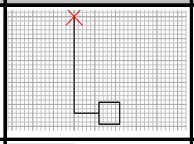
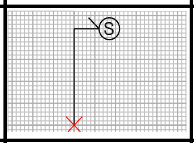
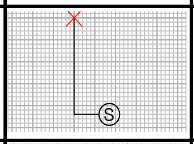
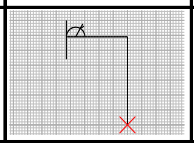
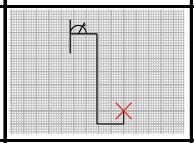
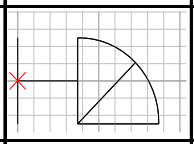
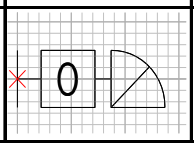
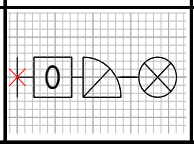
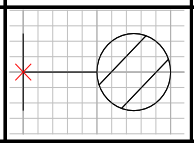
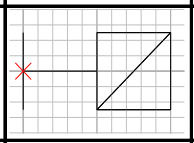
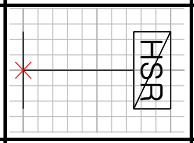
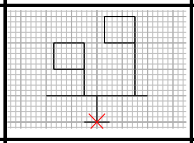
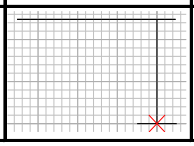
EG : 전기설비분야(E)+철도신호(G)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	전기신호기	EGET502	EG-RAIL-SIGN	SCALE		서행허용표지(일반)		
40		EGET503	EG-RAIL-SIGN	SCALE		시소를 첨가한 신호현시(일반)		
41		EGET504	EG-RAIL-SIGN	SCALE		지주 신호기(일반)		
42		EGET505	EG-RAIL-SIGN	SCALE		매달림 신호기(일반)		
43	기계신호기	ENSM101	EG-RAIL-SIGN	SCALE		장내신호기		
44		EGSM102	EG-RAIL-SIGN	SCALE		출발신호기		
45		EGSM103	EG-RAIL-SIGN	SCALE		통과신호기		
46		EGSM104	EG-RAIL-SIGN	SCALE		통과붙은장내신호기		
47		EGSM105	EG-RAIL-SIGN	SCALE		입환신호기		
48		EGSM106	EG-RAIL-SIGN	SCALE		원방신호기		
49		EGSM107	EG-RAIL-SIGN	SCALE		엄호신호기		
50	신호부속기	EGSA101	EG-RAIL-MISC	SCALE		진로표시기(일반)		
51		EGSA102	EG-RAIL-MISC	SCALE		진로표시기(3현시, 등열식)		

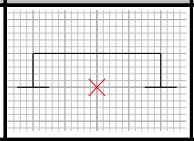
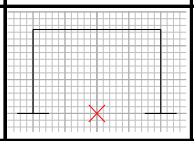
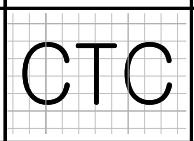
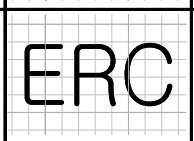
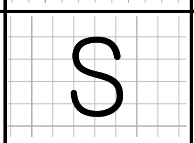
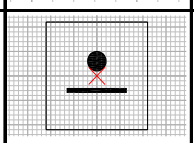
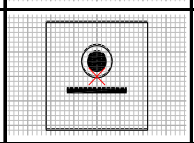
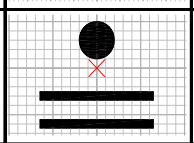
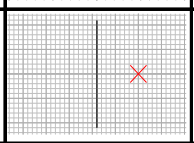
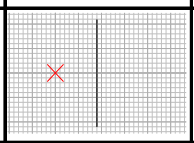
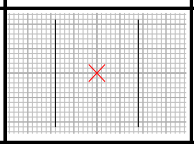
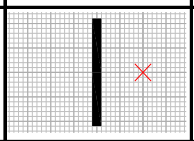
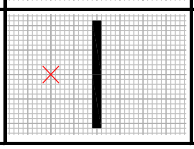
EG : 전기설비분야(E)+철도신호(G)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	신호부속기	EGSA103	EG-RAIL-MISC	SCALE		진로표시기(3현식, 문자식)		
53		EGSA104	EG-RAIL-MISC	SCALE		진로표시기(4현시, 등열식)		
54		EGSA105	EG-RAIL-MISC	SCALE		진로표시기(4현식, 문자식)		
55		EGSA106	EG-RAIL-MISC	SCALE		진로표시기(5현시, 등열식)		
56		EGSA107	EG-RAIL-MISC	SCALE		진로표시기(5현식, 문자식)		
57		EGSA108	EG-RAIL-MISC	SCALE		입환용 진로표시기(다진로)		
58		EGSA109	EG-RAIL-MISC	SCALE		진로표시기(화살표식)		
59		EGSA201	EG-RAIL-MISC	SCALE		선로별표시등		
60		EGSA301	EG-RAIL-MISC	SCALE		선로별표지식입환표지(다진로1개)		
61		EGSA302	EG-RAIL-MISC	SCALE		선로별표지식입환표지(다진로2개)		
62		EGSA303	EG-RAIL-MISC	SCALE		선로별표지식입환표지(다진로4개)		
63	전호기,표지,표시기	EGNG101	EG-RAIL-SIGN	SCALE		수신호대용기		
64		EGNG102	EG-RAIL-SIGN	SCALE		입환전호기		

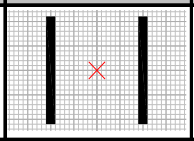
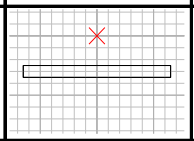
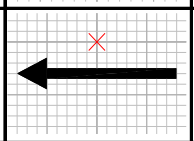
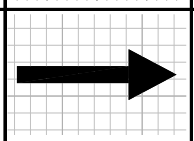
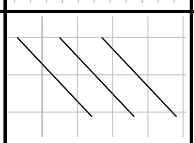
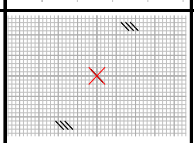
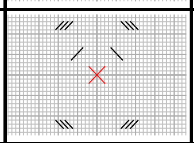
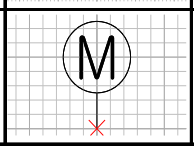
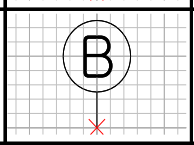
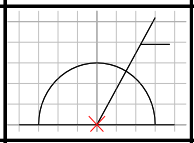
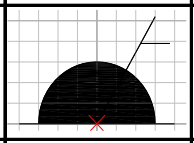
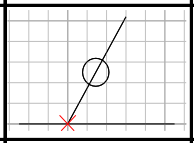
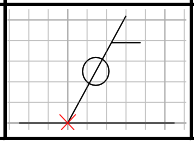
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
65	전호기,표지,표시기	EGNG103	EG-RAIL-SIGN	SCALE		출발전호기		
66		EGNG104	EG-RAIL-SIGN	SCALE		제동시험전호기		
67		EGNB101	EG-RAIL-SIGN	SCALE		출발반응표지		
68		EGNB102	EG-RAIL-SIGN	SCALE		열차정지표지		
69		EGNB103	EG-RAIL-SIGN	SCALE		차량정지표지		
70		EGNB104	EG-RAIL-SIGN	SCALE		차막이표지		
71		EGNB105	EG-RAIL-SIGN	SCALE		기외정차등		
72		EGNB106	EG-RAIL-SIGN	SCALE		출발반응표지(자립형)		
73		EGNB107	EG-RAIL-SIGN	SCALE		비상정지등		
74		EGNB108	EG-RAIL-SIGN	SCALE		지장경고등		
75		EGNB201	EG-RAIL-PONT	SCALE		선로전환기 표지(보통,핸들있음)		
76		EGNB202	EG-RAIL-PONT	SCALE		선로전환기 표지(보통,핸들없음)		
77		EGNB203	EG-RAIL-PONT	SCALE		선로전환기 표지(탈선또는승월,핸들있음)		

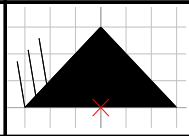
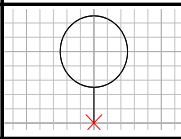
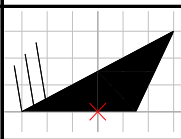
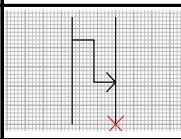
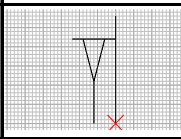
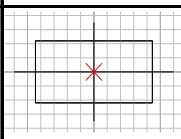
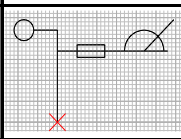
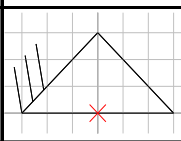
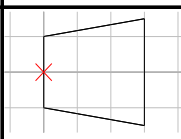
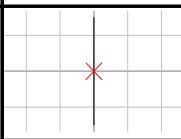
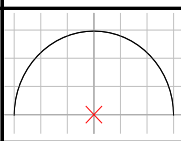
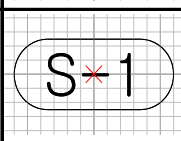
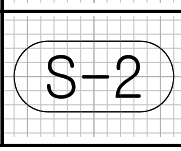
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
78	전호기,표지,표시기	EGNB204	EG-RAIL-PONT	SCALE		선로전환기 표지(탈선또는승월,핸들없음)		
79		EGNB205	EG-RAIL-PONT	SCALE		선로전환기 표지(스프링,핸들있음)		
80		EGNB206	EG-RAIL-PONT	SCALE		선로전환기 표지(스프링,핸들없음)		
81		EGNB207	EG-RAIL-PONT	SCALE		선로전환기 표지(쌍동기,NO.1 A형)		
82		EGNB208	EG-RAIL-PONT	SCALE		선로전환기 표지(쌍동기,NO.1 B형)		
83		EGNB301	EG-RAIL-SIGN	SCALE		입환표지(단진로)		
84		EGNB302	EG-RAIL-SIGN	SCALE		입환표지(다진로)		
85		EGNB303	EG-RAIL-SIGN	SCALE		입환표지(취부형)		
86		EGNB401	EG-RAIL-SIGN	SCALE		사구간예고표지		
87		EGNB402	EG-RAIL-SIGN	SCALE		사구간표지		
88		EGNB501	EG-RAIL-SIGN	SCALE		고속철도 종단표지		
89	신호부라켓 및 신호교	EGBB101	EG-RAIL-MISC	SCALE		신호부라켓1		
90		EGBB102	EG-RAIL-MISC	SCALE		신호부라켓2		

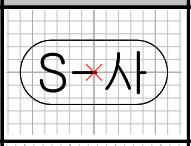
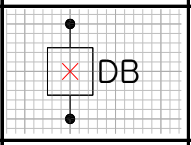
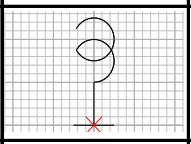
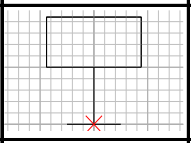
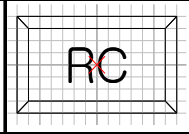
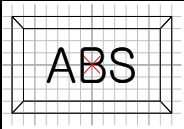
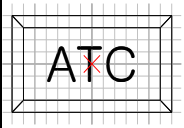
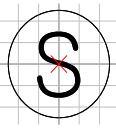
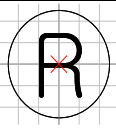
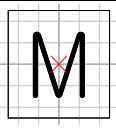
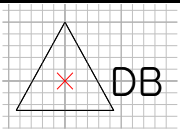
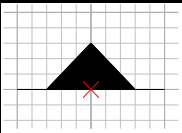
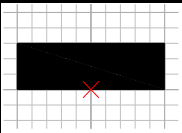
EG : 전기설비분야(E)+철도신호(G)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
91	신호부라켓 및 신호교	EGBB103	EG-RAIL-MISC	SCALE		신호교1		
92		EGBB104	EG-RAIL-MISC	SCALE		신호교2		
93	연동장치	EGID101	EG-RAIL-INLK	SCALE		CTC		
94		EGID102	EG-RAIL-INLK	SCALE		ERC		
95		EGID103	EG-RAIL-INLK	SCALE		단독취급역		
96		EGII101	EG-RAIL-INLK	SCALE		연동장치(전기)		
97		EGII102	EG-RAIL-INLK	SCALE		연동장치(전자)		
98		EGII103	EG-RAIL-INLK	SCALE		연동장치(기계)		
99		EGIB101	EG-RAIL-BLOK	SCALE		연동폐색장치(왼쪽)		
100		EGIB102	EG-RAIL-BLOK	SCALE		연동폐색장치(오른쪽)		
101		EGIB103	EG-RAIL-BLOK	SCALE		연동폐색장치(양쪽)		
102		EGIB201	EG-RAIL-BLOK	SCALE		통표폐색장치(왼쪽)		
103		EGIB202	EG-RAIL-BLOK	SCALE		통표폐색장치(오른쪽)		

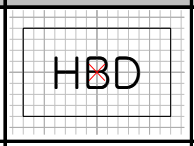
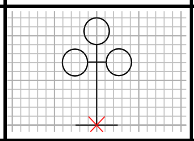
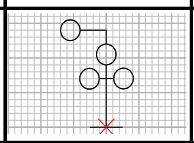
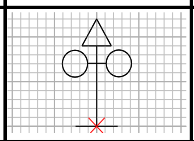
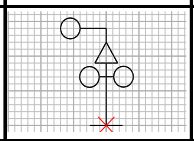
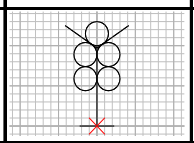
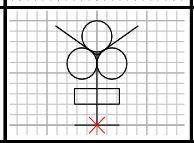
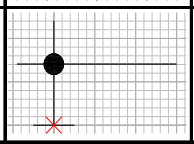
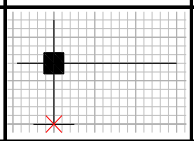
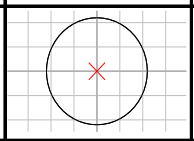
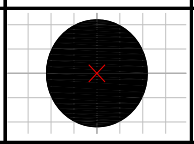
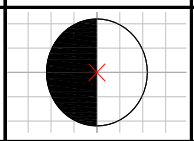
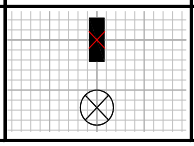
EG : 전기설비분야(E)+철도신호(G)

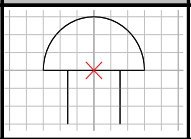
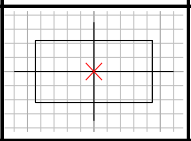
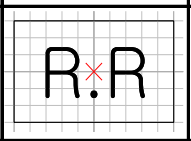
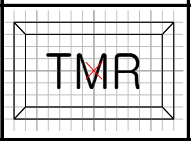
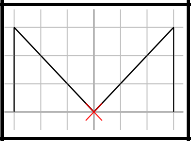
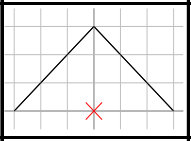
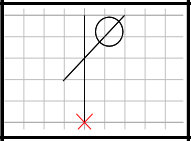
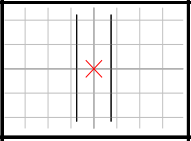
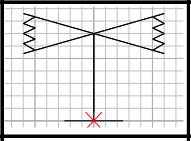
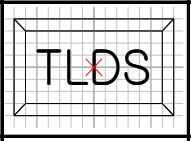
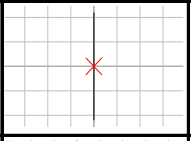
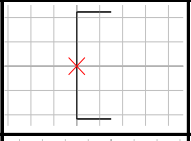
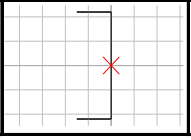
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
104	연동장치	EGIB203	EG-RAIL-BLOK	SCALE		통표폐색장치(양쪽)		
105		EGIB301	EG-RAIL-BLOK	SCALE		자동폐색장치		
106		EGIA101	EG-RAIL-MISC	SCALE		원격제어(제어역)		
107		EGIA102	EG-RAIL-MISC	SCALE		원격제어(피제어역)		
108	선로전환 및 쇄정장치	EGPP101	EG-RAIL-PONT	SCALE		분기기(단동)		
109		EGPP102	EG-RAIL-PONT	SCALE		분기기(쌍동)		
110		EGPP103	EG-RAIL-PONT	SCALE		분기기(크로스)		
111		EGPM101	EG-RAIL-PONT	SCALE		전기선로전환기		
112		EGPM102	EG-RAIL-PONT	SCALE		발조선로전환기		
113		EGPM201	EG-RAIL-PONT	SCALE		전철리버		
114		EGPM202	EG-RAIL-PONT	SCALE		전철리버(전기쇄정기 있음)		
115		EGPM203	EG-RAIL-PONT	SCALE		신호리버		
116		EGPM204	EG-RAIL-PONT	SCALE		신호리버(전기쇄정기 있음)		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
117	선로전환 및 쇄정장치	EGPM301	EG-RAIL-PONT	SCALE		탈선선로전환기		
118		EGPM302	EG-RAIL-PONT	SCALE		추붙음전환기(에스케이프식)		
119		EGPM303	EG-RAIL-PONT	SCALE		탈선기		
120		EGPI101	EG-RAIL-PONT	SCALE		쇄정장치(에스케프 크랭크)		
121		EGPI102	EG-RAIL-PONT	SCALE		쇄정장치(전환쇄정기)		
122		EGPI103	EG-RAIL-PONT	SCALE		쇄정장치(기계연동기)		
123		EGPI104	EG-RAIL-PONT	SCALE		쇄정장치(통표쇄정기)		
124	선로통제 및 제어장치	EGWG101	EG-RAIL-MISC	SCALE		차륜막이 표시		
125		EGWG102	EG-RAIL-MISC	SCALE		차막이(1종) 표시		
126		EGWG103	EG-RAIL-MISC	SCALE		차막이(2종) 표시		
127		EGWG104	EG-RAIL-MISC	SCALE		차막이(3종) 표시		
128		EGWG201	EG-RAIL-MISC	SCALE		ATS지상자(점제어식)		
129		EGWG202	EG-RAIL-MISC	SCALE		ATS지상자(속도조사식)		

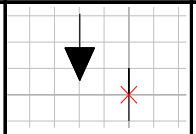
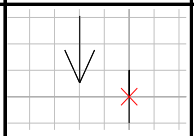
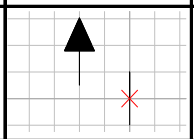
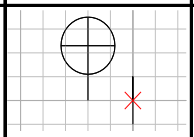
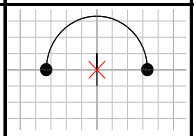
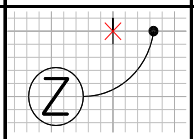
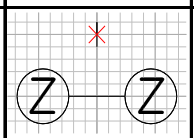
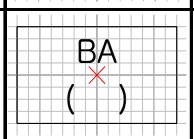
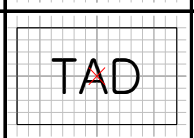
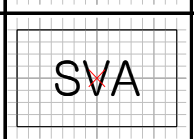
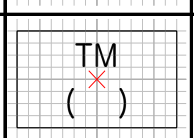
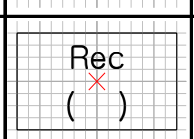
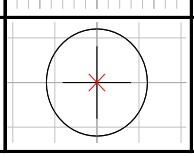
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
130	선로통제 및 제어장치	EGWG203	EG-RAIL-MISC	SCALE		절연구간예고장치 지상자		
131		EGWG204	EG-RAIL-MISC	SCALE		주파수차단 지상자(DB)		
132		EGWG301	EG-RAIL-MISC	SCALE		통표수수기(받는걸이)		
133		EGWG302	EG-RAIL-MISC	SCALE		통표수수기(주는걸이)		
134		EGWG401	EG-RAIL-MISC	SCALE		신호정보분석장치(건널목용)		
135		EGWG402	EG-RAIL-MISC	SCALE		신호정보분석장치(ABS용)		
136		EGWG403	EG-RAIL-MISC	SCALE		신호정보분석장치(궤도회로용)		
137		EGWG501	EG-RAIL-MISC	SCALE		지장물검지장치(발광기)		
138		EGWG502	EG-RAIL-MISC	SCALE		지장물검지장치(수광기)		
139		EGWG503	EG-RAIL-MISC	SCALE		지장물검지장치(반사기)		
140		EGWG504	EG-RAIL-MISC	SCALE		밀착검지함(DB)		
141		EGWG505	EG-RAIL-MISC	SCALE		밀착검지기		
142		EGWG506	EG-RAIL-MISC	SCALE		레일온도 검지기		

EG : 전기설비분야(E)+철도신호(G)

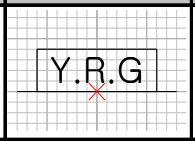
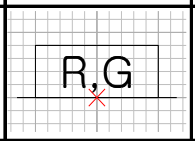
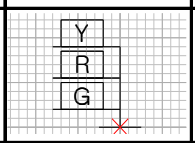
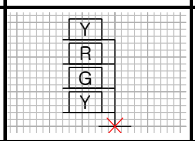
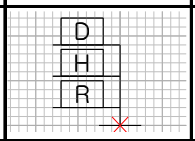
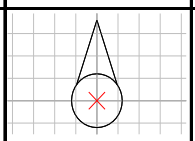
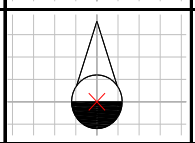
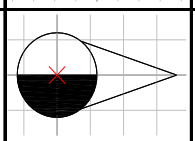
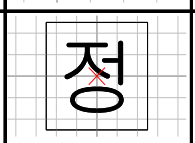
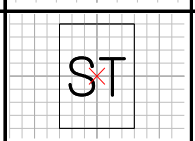
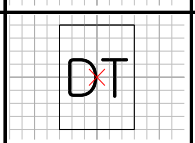
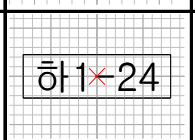
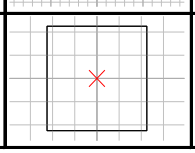
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
143	선로통제 및 제어장치	EGWG507	EG-RAIL-MISC	SCALE		축소검지장치		
144	경보및분석장치	EGWG601	EG-RAIL-CROS	SCALE		건널목경보기(경보종)		
145		EGWG602	EG-RAIL-CROS	SCALE		건널목경보기(경보종,현수형)		
146		EGWG603	EG-RAIL-CROS	SCALE		건널목경보기(스피커)		
147		EGWG604	EG-RAIL-CROS	SCALE		건널목경보기(스피커,현수형)		
148		EGWG605	EG-RAIL-CROS	SCALE		건널목경보기(경보등 2종)		
149		EGWG606	EG-RAIL-CROS	SCALE		건널목경보기(방향표시등)		
150		EGWG701	EG-RAIL-CROS	SCALE		전동차단기		
151		EGWG702	EG-RAIL-CROS	SCALE		전동차단기(장대형)		
152		EGWG801	EG-RAIL-MISC	SCALE		압구(출발도착점)		
153		EGWG802	EG-RAIL-MISC	SCALE		압구(입환신호기 도착점버튼)		
154		EGWG803	EG-RAIL-MISC	SCALE		압구(도착점공용버튼)		
155		EGWT101	EG-RAIL-MISC	SCALE		차량접촉한계		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
156	경보및분석장치	EGWT102	EG-RAIL-MISC	SCALE		케이블 헷드		
157		EGWT103	EG-RAIL-MISC	SCALE		기계 제2종 연동기		
158		EGWT104	EG-CTRL-PANL	SCALE		신호 계전기실		
159		EGWT107	EG-RAIL-MISC	SCALE		신호정보분석장치(열차번호인식기)		
160		EGWT108	EG-RAIL-MISC	SCALE		철관조정기		
161		EGWT109	EG-RAIL-MISC	SCALE		진로정자		
162		EGWT110	EG-RAIL-MISC	SCALE		도선분기 안전장치		
163		EGWT111	EG-RAIL-MISC	SCALE		파이프와이어 절연		
164		EGWT112	EG-RAIL-MISC	SCALE		낙석 또는 장애경보기		
165		EGWT113	EG-RAIL-MISC	SCALE		신호정보분석장치(궤도회로기능검지장치)		
166	궤도회로장치	EGCN101	EG-RAIL-CURT	SCALE		절연체 이음매판(좌우궤도회로)		
167		EGCN102	EG-RAIL-CURT	SCALE		레일절연(우측궤도)		
168		EGCN103	EG-RAIL-CURT	SCALE		레일절연(좌측궤도)		

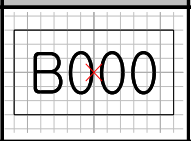
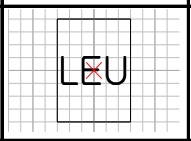
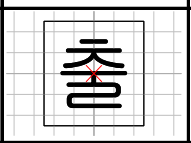
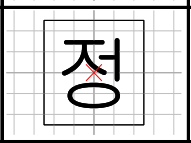
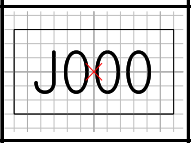
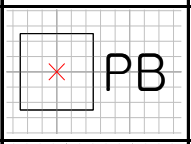
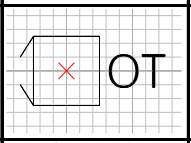
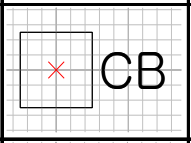
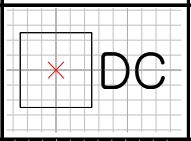
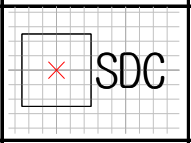
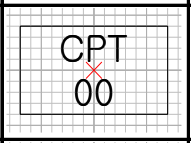
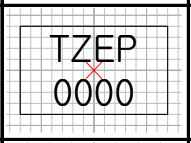
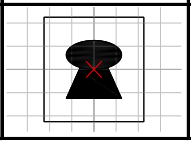
EG : 전기설비분야(E)+철도신호(G)

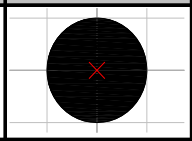
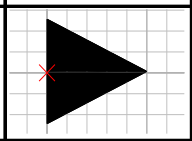
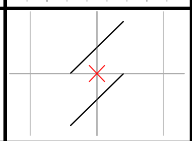
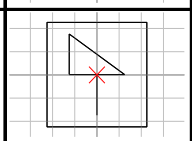
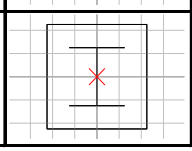
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
169	궤도회로장치	EGCC101	EG-RAIL-CURT	SCALE		궤도회로 송전단(일반)		
170		EGCC102	EG-RAIL-CURT	SCALE		궤도회로 송전단(CTC)		
171		EGCC201	EG-RAIL-CURT	SCALE		궤도회로 착전단(일반)		
172		EGCC202	EG-RAIL-CURT	SCALE		궤도회로 착전단(CTC)		
173		EGCB101	EG-RAIL-CURT	SCALE		본드선		
174		EGCB102	EG-RAIL-CURT	SCALE		임피던스 본드(1개)		
175		EGCB103	EG-RAIL-CURT	SCALE		임피던스 본드(2개)		
176		EGCI101	EG-RAIL-CURT	SCALE		무절연구간(동조유니트)		
177		EGCI102	EG-RAIL-CURT	SCALE		무절연구간(매칭유니트)		
178		EGCI103	EG-RAIL-CURT	SCALE		무절연구간(유도자)		
179		EGCI104	EG-RAIL-CURT	SCALE		무절연구간(송신기)		
180		EGCI105	EG-RAIL-CURT	SCALE		무절연구간(수신기)		
181		EGCT101	EG-RAIL-CURT	SCALE		접착식 절연레일		

EG : 전기설비분야(E)+철도신호(G)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
182	신호기기	EGST101	EG-RAIL-MISC	SCALE		색등식(단등형,2현시)		
183		EGST102	EG-RAIL-MISC	SCALE		색등식(단등형,3현시)		
184		EGST103	EG-RAIL-MISC	SCALE		색등식(다등형,3현시또는4현시)		
185		EGST104	EG-RAIL-MISC	SCALE		색등식(다등형,5현시)		
186		EGST105	EG-RAIL-MISC	SCALE		등열식		
187	열차정지기	EGTT101	EG-RAIL-MISC	SCALE		자동열차정지기(타자식,자동정지 및 개통)		
188		EGTT102	EG-RAIL-MISC	SCALE		자동열차정지기(타자식,반자동 정지)		
189		EGTT103	EG-RAIL-MISC	SCALE		자동열차정지기(타자식,반자동 개통)		
190	제어유니트	EGCU101	EG-RAIL-CROS	SCALE		건널목제어유니트		
191		EGCU102	EG-RAIL-CROS	SCALE		건널목제어유니트(단선)		
192		EGCU103	EG-RAIL-CROS	SCALE		건널목제어유니트(복선)		
193		EGCU201	EG-RAIL-CROS	SCALE		폐색제어유니트		
194		EGCU301	EG-RAIL-MISC	CENTER		제어자 유니트		

EG : 전기설비분야(E)+철도신호(G)

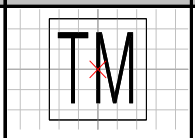
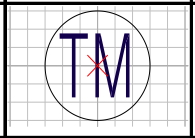
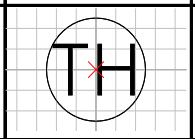
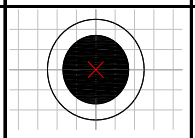
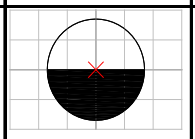
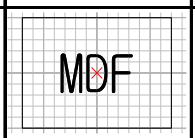
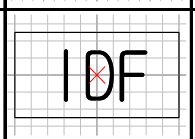
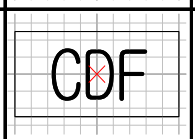
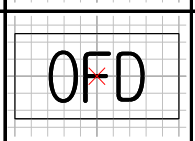
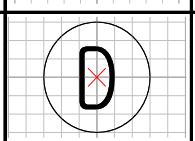
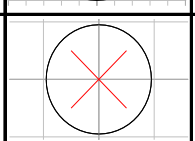
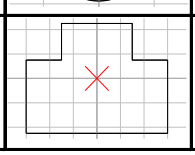
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
195	기구 및 접속함	EGBX101	EG-CTRL-JUNT	SCALE		기구함		
196		EGBX102	EG-CTRL-JUNT	SCALE		LEU함		
197		EGBX103	EG-CTRL-JUNT	SCALE		출구측 기구함		
198		EGBX104	EG-CTRL-JUNT	SCALE		정시간 기구함		
199		EGBX201	EG-CTRL-JUNT	SCALE		접속함		
200		EGBX202	EG-CTRL-JUNT	SCALE		전철기 접속함(PB)		
201		EGBX301	EG-CTRL-JUNT	SCALE		연동장치 옥외접속함(OT)		
202		EGBX302	EG-CTRL-JUNT	SCALE		연동장치 접속함(CB)		
203		EGBX401	EG-CTRL-JUNT	SCALE		ATC 접속함(DC)		
204		EGBX402	EG-CTRL-JUNT	SCALE		ATC 보조 접속함(SDC)		
205	스위치	EGSW101	EG-SWIT	SCALE		폐색구간 안전스위치		
206		EGSW102	EG-SWIT	SCALE		역구간 안전스위치(TZEP)		
207		EGSW103	EG-SWIT	SCALE		포인트 키 스위치		

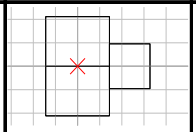
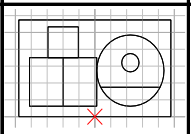
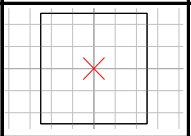
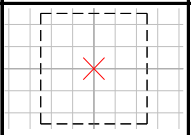
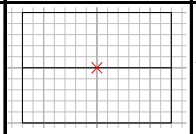
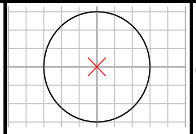
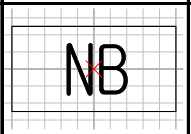
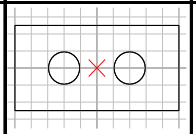
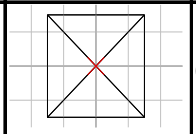
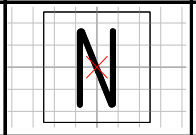
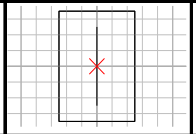
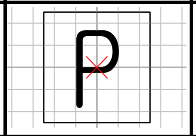
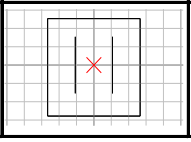
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
208	스위치	EGSW104	EG-SWIT	SCALE		해정스위치		
209	기타	EGTO101	EG-RAIL-MISC	SCALE		발리스		
210		EGTO201	EG-RAIL-MISC	SCALE		신축이음대		
211		EGTO301	EG-RAIL-MISC	SCALE		대기온도센서		
212		EGTO401	EG-RAIL-MISC	SCALE		전자선주		

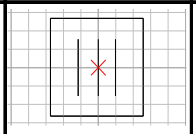
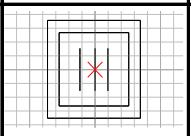
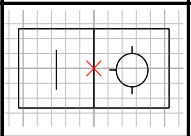
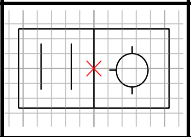
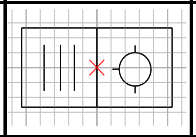
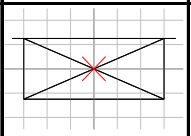
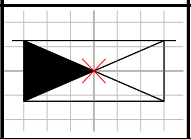
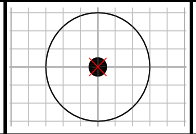
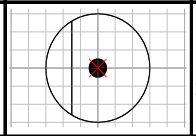
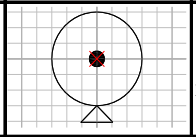
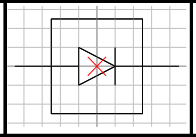
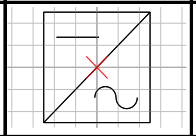
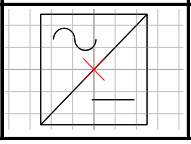
6. 통신설비분야 심벌 목록

6.1 통신공통(General for Telecommunication) : TZ

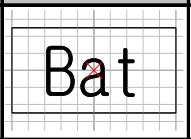
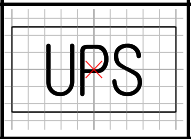
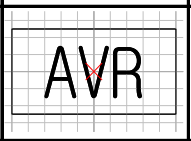
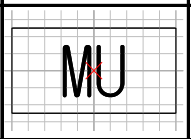
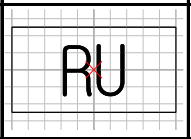
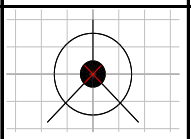
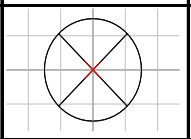
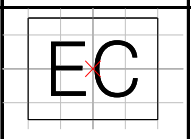
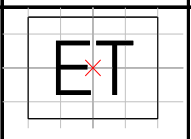
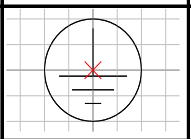
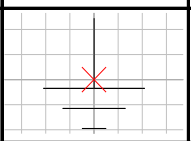
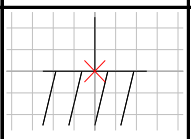
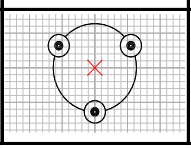
TZ: 통신설비분야(T)+통신공통(Z)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	통신맨홀	TZMM101	T□-MANH	SCALE		통신맨홀(각형)	C0246347	통신맨홀
2		TZMM102	T□-MANH	SCALE		통신맨홀(원형)	C0246347	통신맨홀
3		TZMH101	T□-MANH	SCALE		통신핸드홀	C0246347	통신맨홀
4	통신주	TZPP101	T□-POST	SCALE		통신강관주	C0236241	전화주
5		TZPC101	T□-POST	SCALE		통신콘크리트주	C0236241	전화주
6	통신배선	TZDT101	T□-CTRL-JUNT	SCALE		주 배선반 (Main distribution frame)		
7		TZDT102	T□-CTRL-JUNT	SCALE		중간배선반 (Intermediate distribution frame)		
8		TZDT103	T□-CTRL-JUNT	SCALE		공통분배반 (Combined distribution frame)		
9		TZDT104	T□-CTRL-JUNT	SCALE		광분배반 (Optical fiber distribution frame)		
10		TZDD101	T□-CTRL-JUNT	SCALE		분배기		
11		TZDC101	T□-CTRL-JUNT	SCALE		콘넥터		
12		TZDZ101	T□-CTRL-JUNT	SCALE		모듈러잭 1구		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	통신배선	TZDZ102	T□-CTRL-JUNT	SCALE		모듈러잭 2구		
14		TZDZ103	T□-CTRL-JUNT	SCALE		모듈러잭 2구 TV겸용		
15	함(접속,기구,단자 등)	TZBP101	T□-CTRL-JUNT	SCALE		풀박스 및 접속상자(노출)		
16		TZBP102	T□-CTRL-JUNT	SCALE		풀박스 및 접속상자(매입)		
17		TZBB101	T□-CTRL-JUNT	SCALE		Wall box		
18		TZBB102	T□-CTRL-JUNT	SCALE		Outlet box		
19		TZBB103	T□-CTRL-JUNT	SCALE		노즐박스		
20		TZBB104	T□-CTRL-JUNT	SCALE		System box		
21		TZBB105	T□-CTRL-JUNT	SCALE		OUT BOX		
22		TZBT101	T□-CTRL-JUNT	SCALE		통신단자함 (Telecommunication terminal box)		
23		TZBT102	T□-CTRL-JUNT	SCALE		단자함(T/B)		
24		TZBT103	T□-CTRL-JUNT	SCALE		접지단자함		
25		TZBT104	T□-CTRL-JUNT	SCALE		중간단자함		

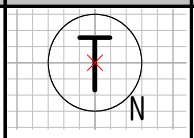
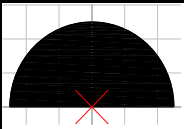
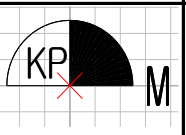
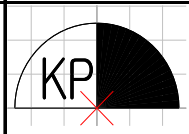
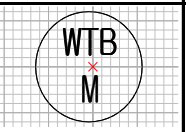
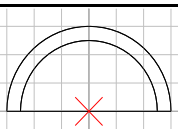
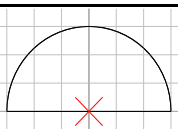
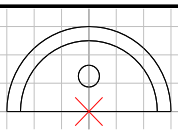
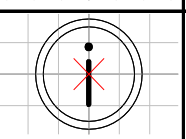
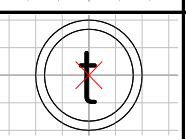
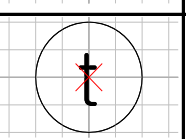
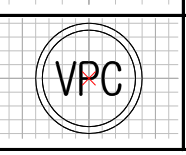
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	함(접속,기구,단자 등)	TZBT105	T□-CTRL-JUNT	SCALE		주단자함		
27		TZBT106	T□-CTRL-JUNT	SCALE		국선용단자함		
28		TZBT201	T□-CTRL-JUNT	SCALE		단자함(TV공용)		
29		TZBT202	T□-CTRL-JUNT	SCALE		중간단자함(TV공용)		
30		TZBT203	T□-CTRL-JUNT	SCALE		주단자함(TV공용)		
31		TZPT301	T□-CTRL-JUNT	SCALE		약전단자함		
32		TZPT302	T□-CTRL-JUNT	SCALE		약전단자함-LAN		
33	아울렛	TZOT101	T□-CTRL-MISC	SCALE		outlet(일반)		
34		TZOT102	T□-CTRL-MISC	SCALE		outlet(wall mount)		
35		TZOT103	T□-CTRL-MISC	SCALE		outlet(floor mount)		
36	기기 및 장치	TZER101	T□-CURT	SCALE		정류기(Rectifier)		
37		TZEI101	T□-CURT	SCALE		인버터(Inverter)		
38		TZEC101	T□-CURT	SCALE		콘버터(Converter)		

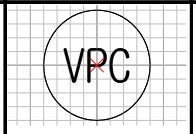
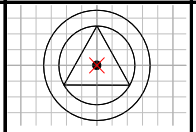
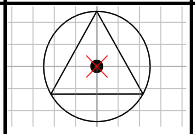
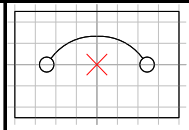
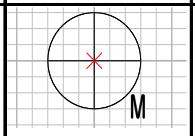
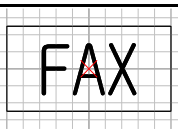
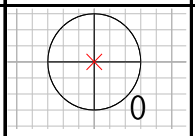
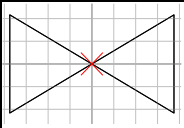
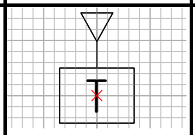
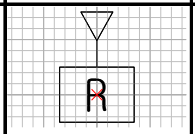
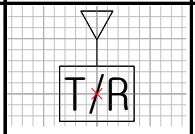
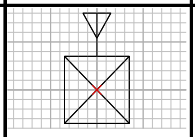
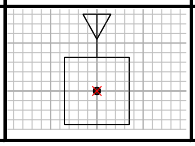
TZ: 통신설비분야(T)+통신공통(Z)

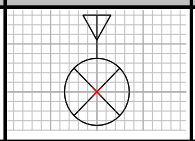
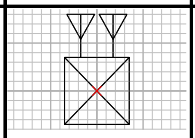
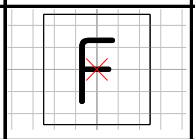
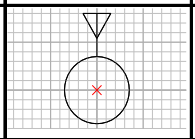
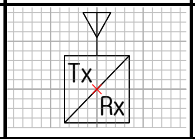
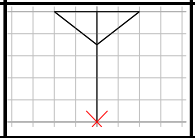
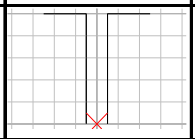
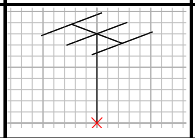
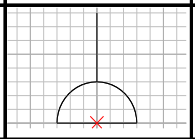
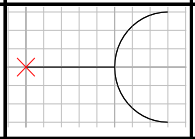
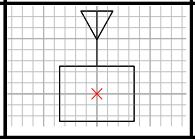
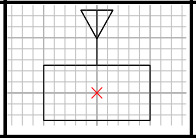
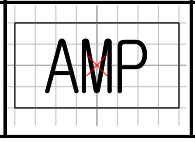
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	기기 및 장치	TZEB101	T□-CTRL-RELY	SCALE		축전지(Battery)		
40		TZEP101	T□-CTRL-RELY	SCALE		무정전전원장치 (Uninterrupted power supply)		
41		TZEV101	T□-CTRL-RELY	SCALE		자동전압조정기 (Automatic voltage regulator)		
42		TZEU101	T□-CTRL-RELY	SCALE		Master unit		
43		TZEU102	T□-CTRL-RELY	SCALE		Remote unit		
44	접지설비	TZGT111	T□-GRND-EQPM	SCALE		피뢰침		
45		TZGT121	T□-GRND-EQPM	SCALE		접지시험단자함		
46		TZGT122	T□-GRND-EQPM	SCALE		접지시험단자함 (EC)		
47		TZGT123	T□-GRND-EQPM	SCALE		접지시험단자함 (ET)		
48		TZGT131	T□-GRND-EQPM	SCALE		접지극		
49		TZGT132	T□-GRND-EQPM	SCALE		접지극-Earth		
50		TZGT133	T□-GRND-EQPM	SCALE		접지극-Ground		
51		TZGT134	T□-GRND-EQPM	SCALE		접지극-Floor		

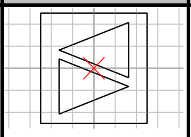
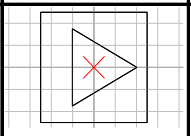
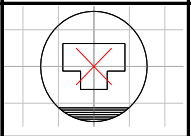
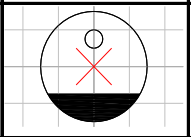
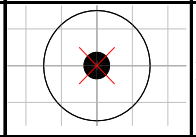
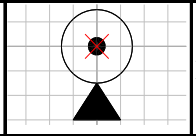
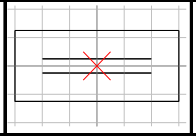
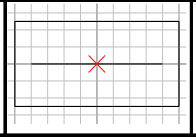
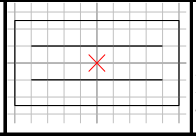
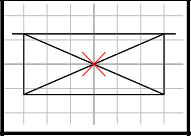
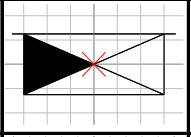
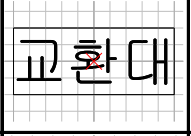
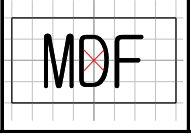
6.2 통신설비(Telecommunication Equipment) : TT

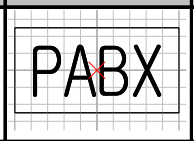
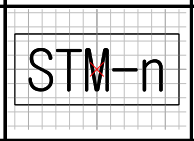
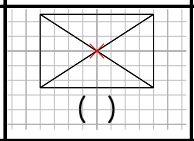
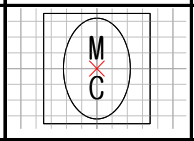
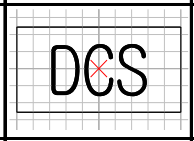
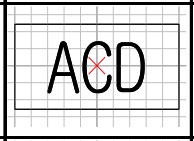
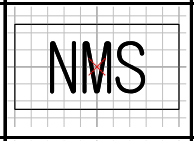
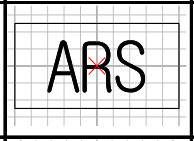
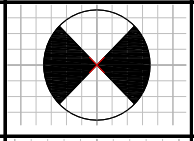
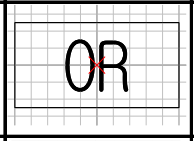
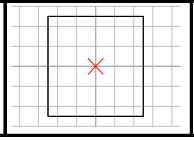
TT : 통신설비분야(T)+통신설비(T)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	전화 및 인터폰	TTTP101	TT-WIRE-EQPM	SCALE		전화		
2		TTTB101	TT-WIRE-EQPM	SCALE		폐색전화		
3		TTTS101	TT-WIRE-EQPM	SCALE		간이교환기		
4		TTTK101	TT-WIRE-EQPM	SCALE		키폰전화		
5		TTTW101	TT-WIRE-EQPM	SCALE		연선전화기 (Wayside telephone Box)		
6		TTTC101	TT-WIRE-EQPM	SCALE		사령전화(주장치)		
7		TTTC102	TT-WIRE-EQPM	SCALE		사령전화(자장치)		
8		TTTC103	TT-WIRE-EQPM	SCALE		사령전화(운용장치)		
9		TTTI101	TT-WIRE-EQPM	SCALE		인터폰-벽부형		
10		TTTI102	TT-WIRE-EQPM	SCALE		인터폰(주장치)		
11		TTTI103	TT-WIRE-EQPM	SCALE		인터폰(자장치, 전화기용인터폰)		
12		TTTV101	TT-WIRE-EQPM	SCALE		비디오폰(주장치)		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	전화 및 인터폰	TTTV102	TT-WIRE-EQPM	SCALE		비디오폰(자장치)		
14		TTTT101	TT-WIRE-TALK	SCALE		토크백(모장치)		
15		TTTT102	TT-WIRE-TALK	SCALE		토크백(자장치)		
16		TTTA101	TT-WIRE-EQPM	SCALE		PAGING PHONE		
17	모사전송장치	TTFM101	TT-WIRE-EQPM	SCALE		동보장치(주장치)		
18		TTFF101	TT-WIRE-EQPM	SCALE		모사전송기(FAX)		
19		TTFO101	TT-WIRE-EQPM	SCALE		모사전송기 운영장치		
20	열차무선설비	TTRB101	TT-WAVE-REPT	SCALE		양방향중계기 (Bidirection regenerator)		
21		TTRD101	TT-WAVE-REPT	SCALE		송신장치(Transmit device)		
22		TTRD102	TT-WAVE-REPT	SCALE		수신장치 (Receiver)		
23		TTRD103	TT-WAVE-REPT	SCALE		송수신장치 (Transceiver)		
24		TTRO101	TT-WAVE-REPT	SCALE		송수신장치 기지국		
25		TTRR101	TT-WAVE-REPT	SCALE		감청수신기		

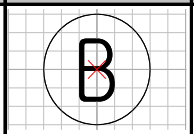
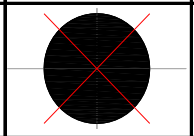
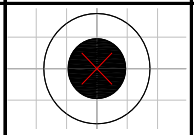
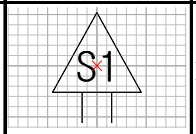
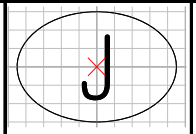
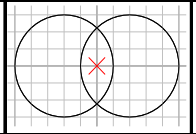
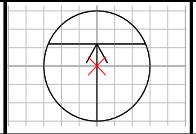
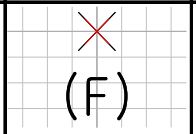
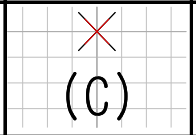
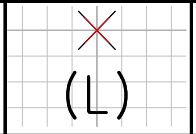
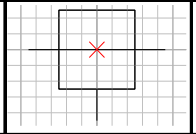
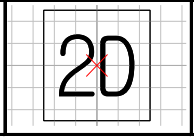
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	열차무선설비	TTRM101	TT-WAVE-REPT	SCALE		육상이동국		
27		TTRT101	TT-WAVE-REPT	SCALE		터널무선중계제어장치		
28		TTRF101	TT-WAVE-REPT	SCALE		주파스 분파기(Branching filter)		
29		TTRS101	TT-WAVE-REPT	SCALE		무선중계국(Repeater site)		
30		TTRS102	TT-WAVE-REPT	SCALE		열차무선기지국		
31	안테나	TTAA101	TT-WAVE-REPT	SCALE		일반안테나(Antenna)		
32		TTAD101	TT-WAVE-REPT	SCALE		다이풀안테나(Dipile antenna)		
33		TTAY101	TT-WAVE-REPT	SCALE		야기안테나(Yagi antenna)		
34		TTAW101	TT-WAVE-REPT	SCALE		휘프안테나(Whip antenna)		
35		TTAP101	TT-WAVE-REPT	SCALE		파라볼라안테나(Parabolic antenna)		
36		TTAG101	TT-WAVE-REPT	SCALE		그라운드 플레인형 안테나(Ground Plane antenna)		
37		TTAR101	TT-WAVE-REPT	SCALE		단측형 안테나(Profile antenna)		
38	증폭기	TTMT101	TT-WAVE-REPT	SCALE		증폭기		

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	증폭기	TTMD101	TT-WAVE-REPT	SCALE		양방향증폭기		
40		TTMS101	TT-WAVE-REPT	SCALE		단방향증폭기		
41	아울렛	TTOP101	TT-WIRE-MISC	SCALE		전화용 Outlet		
42		TTOP102	TT-WIRE-MISC	SCALE		전화용 Outlet-벽부형		
43		TTOL101	TT-WIRE-MISC	SCALE		LAN Outlet-벽부형		
44		TTOL102	TT-WIRE-MISC	SCALE		LAN Outlet-자립형		
45	단자함	TTPP101	TT-CTRL-JUNT	SCALE		전화단자함		
46		TTPP102	TT-CTRL-JUNT	SCALE		전화용 실내단자반(Terminal Panel for Telephone)		
47		TTPP103	TT-CTRL-JUNT	SCALE		전화용 중간단자반(Middle Terminal Panel for Telephone)		
48		TTPT101	TT-CTRL-JUNT	SCALE		약전단자함		
49		TTPT102	TT-CTRL-JUNT	SCALE		약전단자함-LAN		
50	통신기기/장치	TTET101	TT-WIRE-EQPM	SCALE		전화교환대		
51		TTET102	TT-WIRE-EQPM	SCALE		전화 MDF(주배선반)		

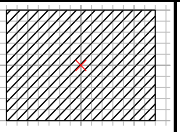
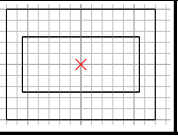
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
52	통신기기/장치	TTET103	TT-WIRE-EQPM	SCALE		교환기		
53		TTET104	TT-WIRE-EQPM	SCALE		광전송장치 (Synchronous transfer mode-n)		
54		TTET105	TT-WIRE-EQPM	SCALE		반송단국		
55		TTET106	TT-WIRE-EQPM	SCALE		주 조정탁(Main console)		
56		TTEC101	TT-WIRE-EQPM	SCALE		디지털회선분배장치(Digital cross-connect system)		
57		TTEC102	TT-WIRE-EQPM	SCALE		자동호분배장치		
58		TTES101	TT-WIRE-EQPM	SCALE		망관리시스템 (Network management system)		
59		TTEA101	TT-WIRE-EQPM	SCALE		자동음성응답장치		
60		TTER101	TT-WAVE-REPT	SCALE		선로중계기		
61		TTER102	TT-WAVE-REPT	SCALE		국 중계기(Office Repeater)		
62		TTER201	TT-WAVE-REPT	CENTER		광 중계기(Optical repeater0		

6.3 통신선로(Telecommunication Line) : TN

TN : 통신설비분야(T)+통신선로(N)

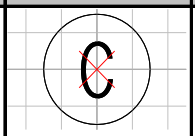
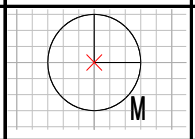
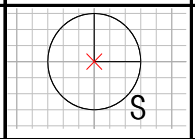
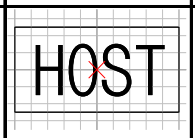
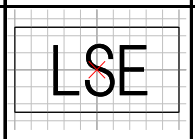
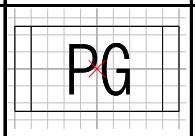
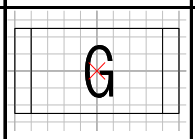
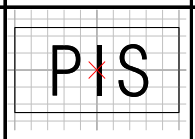
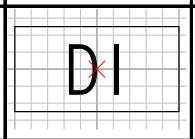
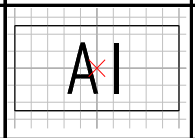
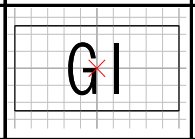
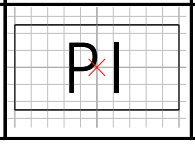
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	접속	TNCT101	TN-CABL-MISC	SCALE		케이블 본딩		
2		TNJP101	TN-CABL-MISC	SCALE		접속점(일반)		
3		TNJP102	TN-CABL-MISC	SCALE		접속점(광케이블)		
4		TNJB101	TN-CTRL-JUNT	SCALE		MD접속함		
5		TNJB102	TN-CTRL-JUNT	SCALE		접속방호함		
6		TNJS101	TN-CABL-MISC	SCALE		접속표주		
7		TNJS102	TN-CABL-MISC	SCALE		방향표주		
8		TNJJ101	TN-CABL-MISC	SCALE		케이블접속(광케이블)		
9		TNJJ102	TN-CABL-MISC	SCALE		케이블접속(동케이블)		
10		TNJJ103	TN-CABL-MISC	SCALE		케이블접속(누설동축케이블)		
11	기기 및 장치	TNED101	TN-CABL-MISC	SCALE		동축케이블분기기(Coaxial cable directional coupler)		
12		TNEU101	TN-CABL-MISC	SCALE		동축케이블분배기(Leakage coaxial cable distribution unit)		

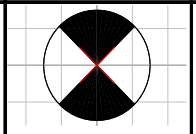
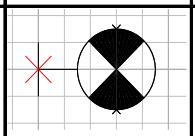
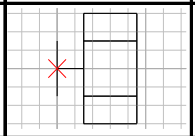
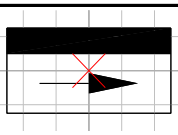
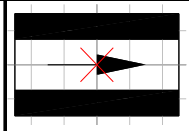
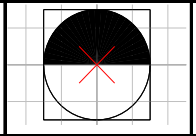
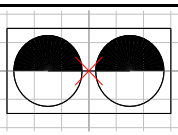
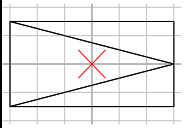
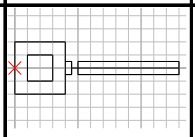
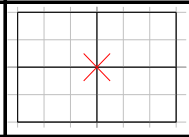
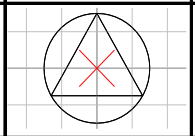
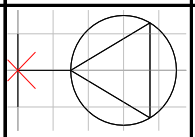
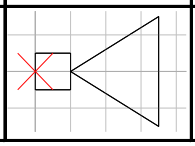
TN : 통신설비분야(T)+통신선로(N)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	전기통신구	TNET101	TN-BLOK	SCALE		동도(Telephone tunnel)		
14		TNET102	TN-BLOK	SCALE		공동구(Block out)	C0246341	공동구 맨홀

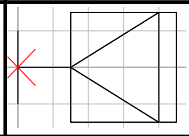
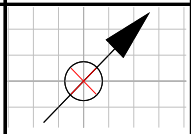
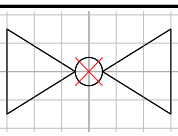
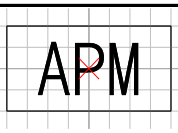
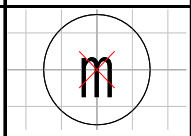
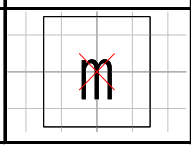
6.4 표시 및 정보전달설비(Sign & Information Transmission) : TS

TS : 통신설비분야(T)+표시및정보전달설비(S)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	전기시계	TSCC101	TI-DISP-WACH	SCALE		전기시계(일반)		
2		TSCM101	TI-DISP-WACH	SCALE		모시계(Master-clock)		
3		TSCS101	TI-DISP-WACH	SCALE		자시계(Slave-clock)		
4	열차안내 게시	TSRH101	TI-RAIL-GUID	SCALE		열차행선안내장치 HOST 장치		
5		TSRD101	TI-RAIL-GUID	SCALE		국부역 장치		
6		TSNT101	TI-RAIL-GUID	SCALE		행선안내 표시기(홈용)		
7		TSNT102	TI-RAIL-GUID	SCALE		행선안내 표시기(통로용)		
8		TSRC101	TI-RAIL-GUID	SCALE		여객자동안내 장치 제어장치		
9		TSID101	TI-RAIL-GUID	SCALE		출발표시기		
10		TSID102	TI-RAIL-GUID	SCALE		도착표시기		
11		TSID103	TI-RAIL-GUID	SCALE		개표구표시기		
12		TSID104	TI-RAIL-GUID	SCALE		홈용표시기		

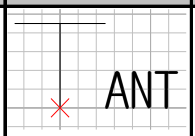
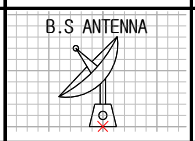
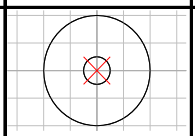
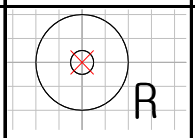
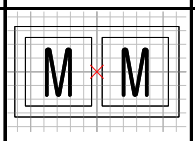
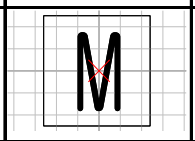
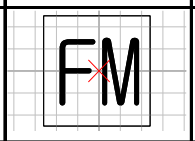
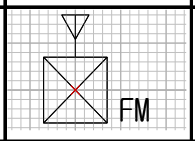
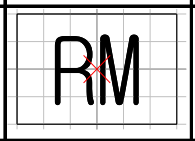
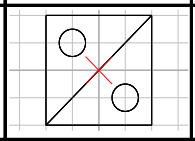
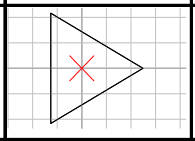
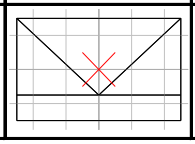
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	주차관제	TSPI101	TI-DISP-EQPM	SCALE		차량 안내표시등-천정형		
14		TSPI102	TI-DISP-EQPM	SCALE		차량 안내표시등-벽부형		
15		TSPI103	TI-DISP-EQPM	SCALE		만차표시등-자립형		
16		TSPS101	TI-DISP-EQPM	SCALE		차량 안내표시지-천정형		
17		TSPS102	TI-DISP-EQPM	SCALE		차량 안내표시지-벽부형		
18		TSPC101	TI-DISP-EQPM	SCALE		출차주의등-1개		
19		TSPC102	TI-DISP-EQPM	SCALE		출차주의등-2개		
20		TSPT101	TI-DISP-EQPM	SCALE		Loof Coil검지기		
21		TSPT102	TI-DISP-EQPM	SCALE		게이트-자립형		
22		TSPT103	TI-DISP-EQPM	SCALE		제어반-자립형		
23	스피커	TSSR101	TI-DISP-SOND	SCALE		스피커 천정형 (Recessed type speaker)		
24		TSSB101	TI-DISP-SOND	SCALE		스피커 벽부형 (bracket type Speaker)		
25		TSSH101	TI-DISP-SOND	SCALE		HORN형 스피커		

TS : 통신설비분야(T)+표시및정보전달설비(S)

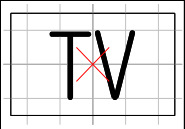
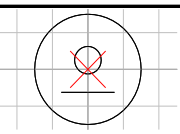
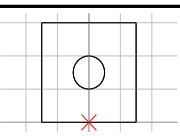
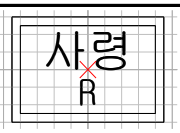
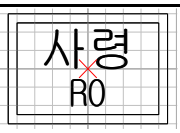
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	스피커	TSSC101	TI-DISP-SOND	SCALE		컬럼형 스피커		
27		TSSV101	TI-DISP-SOND	SCALE		음량조절기(Audio regulater)		
28		TSSP101	TI-DISP-SOND	SCALE		고성기(POLE형)		
29		TSSA101	TI-DISP-SOND	SCALE		방송AMP		
30	마이크	TSMJ101	TI-DISP-SOND	SCALE		MIC JACK-벽부형		
31		TSMJ102	TI-DISP-SOND	SCALE		MIC JACK-Floor형		

6.5 방송 및 수신설비(Broadcasting & Reception Equipment) : TB

TB : 통신설비분야(T)+방송및수신설비(B)

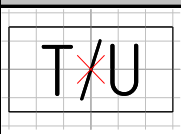
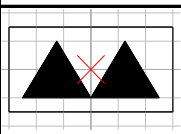
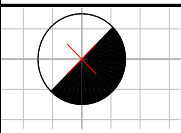
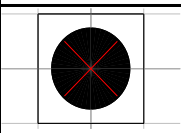
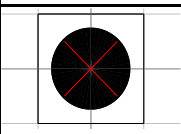
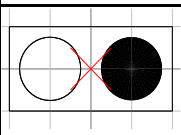
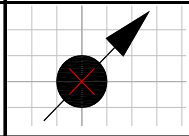
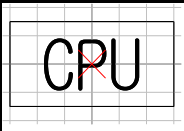
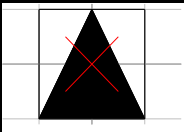
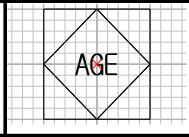
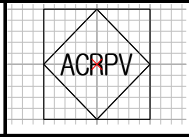
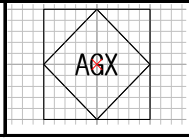
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	안테나	TBAT101	TB-TELV-PBTV	SCALE		TV 공청용 안테나		
2		TBAT102	TB-TELV-PBTV	MMUNT		TV 공청용 위성 안테나		
3	TV 및 모니터	TBTU101	TB-BOAD-CATV	SCALE		TV유니트(직렬형)		
4		TBTU102	TB-BOAD-CATV	SCALE		TV유니트(종단형)		
5		TBTM101	TB-BOAD-CATV	SCALE		모니터(일반)		
6		TBTR101	TB-BOAD-CATV	SCALE		모니터(승강장)		
7	중계장치	TBRF101	TB-BOAD-RADO	SCALE		FM 재방송 중계장치(모장치)		
8		TBRF102	TB-BOAD-RADO	SCALE		FM 재방송 중계장치(자장치)		
9	기기 및 장치	TBEB101	TB-BOAD-MISC	SCALE		방송원격조작기		
10		TBES101	TB-BOAD-MISC	SCALE		국소방송 절환스위치		
11		TBEA101	TB-BOAD-MISC	SCALE		TV증폭기		
12		TBET101	TB-BOAD-MISC	SCALE		TV기기 수용함		

TB : 통신설비분야(T)+방송및수신설비(B)

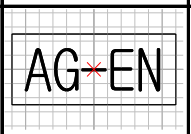
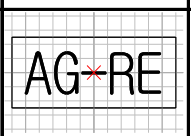
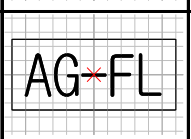
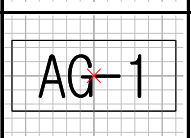
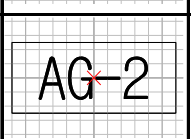
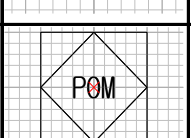
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	기기 및 장치	TBET102	TB-BOAD-MISC	SCALE		분배기 박스		
14		TBET103	TB-BOAD-MISC	SCALE		TV Outlet 1		
15		TBET104	TB-BOAD-MISC	SCALE		TV Outlet 2		
16	자동방송설비	TBBM101	TB-BOAD-RADO	SCALE		사령원격방송장치 (주장치)		
17		TBBS101	TB-BOAD-RADO	SCALE		사령원격방송장치 (자장치)		
18		TBBO101	TB-BOAD-RADO	SCALE		사령원격방송장치 (운영장치)		

6.6 정보화 및 자동화설비(Information & automatic oriented equipment) : TI

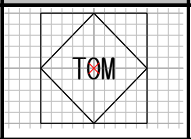
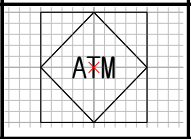
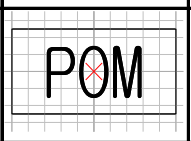
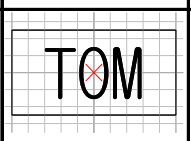
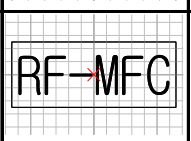
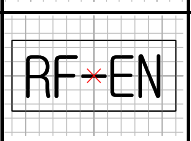
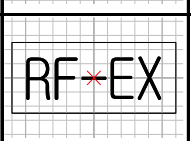
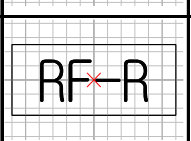
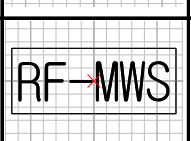
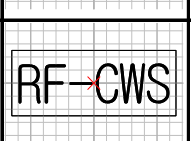
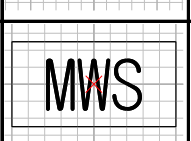
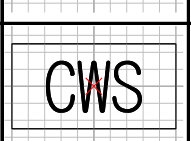
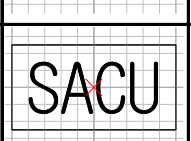
TI : 통신설비분야(T)+정보화및자동화설비(I)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	조명제어	TILC101	TI-CTRL-RELY	SCALE		조명제어 T/U		
2		TILC102	TI-CTRL-RELY	SCALE		조명제어 리레이		
3		TILC103	TI-CTRL-MISC	SCALE		조명제어 Sun SW.		
4		TILS101	TI-CTRL-MISC	SCALE		그룹 스위치		
5		TILS102	TI-CTRL-MISC	SCALE		프로그램 스위치		
6		TILS103	TI-CTRL-MISC	SCALE		마그네틱조작 스위치		
7		TILS104	TI-CTRL-MISC	SCALE		조광스위치		
8	기타	TILT101	TI-CTRL-MISC	SCALE		CPU		
9		TILT102	TI-CTRL-MISC	SCALE		소변기 자동센서		
10	역무자동화설비	TIRG101	TI-RAIL-TICK	SCALE		자동개표기 (Automatic entry gate)		
11		TIRG102	TI-RAIL-TICK	SCALE		자동개표기 (Automatic gate machine)		
12		TIRG103	TI-RAIL-TICK	SCALE		자동집표기 (Automatic exit gate)		

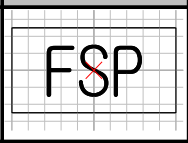
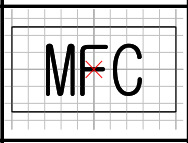
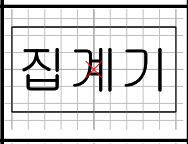
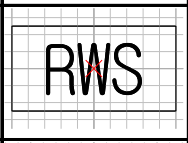
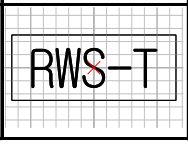
TI : 통신설비분야(T)+정보화및자동화설비(I)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	역무자동화설비	TIRG104	TI-RAIL-TICK	SCALE		자동집표기(삼발없음)(Automatic exit gate no turn style)		
14		TIRS101	TI-RAIL-TICK	SCALE		승차권 자동개집표기(삼발이형)-개표전용		
15		TIRS102	TI-RAIL-TICK	SCALE		승차권 자동개집표기(삼발이형)-집표전용		
16		TIRS103	TI-RAIL-TICK	SCALE		승차권 자동개집표기(삼발이형)-개집표용		
17		TIRS104	TI-RAIL-TICK	SCALE		승차권 자동개집표기(삼발이형)-플러쉬형		
18		TIRP101	TI-RAIL-TICK	SCALE		승차권 자동개집표기(플랩형)1형-개표기		
19		TIRP102	TI-RAIL-TICK	SCALE		승차권 자동개집표기(플랩형)2형-개표기		
20		TIRP103	TI-RAIL-TICK	SCALE		승차권 자동개집표기(플랩형)3형-개/집표 양용기		
21		TIRP104	TI-RAIL-TICK	SCALE		승차권 자동개집표기(플랩형)4형-집표기		
22		TIRP105	TI-RAIL-TICK	SCALE		승차권 자동개집표기(플랩형)5형-집표기		
23		TIRP106	TI-RAIL-TICK	SCALE		승차권 자동개집표기(플랩형)6형-장애인용 개표기		
24		TIRP107	TI-RAIL-TICK	SCALE		승차권 자동개집표기(플랩형)7형-장애인용 집표기		
25		TIRT101	TI-RAIL-TICK	SCALE		승차권자동발매기		

TI : 통신설비분야(T)+정보화및자동화설비(I)

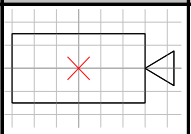
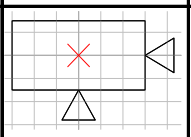
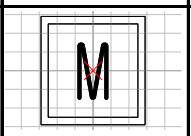
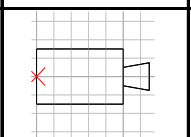
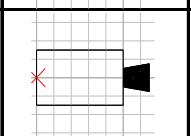
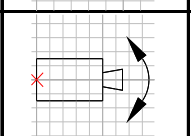
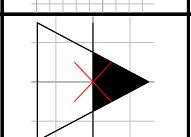
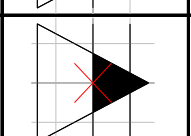
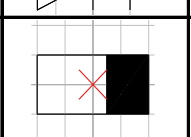
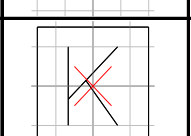
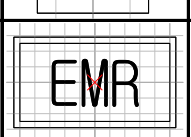
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	역무자동화설비	TIRT102	TI-RAIL-TICK	SCALE		승차권자동발권기		
27		TIRT103	TI-RAIL-TICK	SCALE		자동발매기(스크린터치식)		
28		TIRT104	TI-RAIL-TICK	SCALE		자동발매기		
29		TIRT105	TI-RAIL-TICK	SCALE		자동발권기		
30		TIRR101	TI-RAIL-TICK	SCALE		RF중앙전산기		
31		TIRR102	TI-RAIL-TICK	SCALE		RF단말기 개표용		
32		TIRR103	TI-RAIL-TICK	SCALE		RF단말기 집표용		
33		TIRR104	TI-RAIL-TICK	SCALE		RF충전기		
34		TIRR105	TI-RAIL-TICK	SCALE		RF용 보수자 전산기		
35		TIRR106	TI-RAIL-TICK	SCALE		RF용 운용자 전산기		
36		TIRM101	TI-RAIL-TICK	SCALE		M/S용 보수자 전산기		
37		TIRM102	TI-RAIL-TICK	SCALE		M/S용 운용자 전산기		
38		TIRE101	TI-RAIL-TICK	SCALE		역단위전산기		

TI : 통신설비분야(T)+정보화및자동화설비(I)

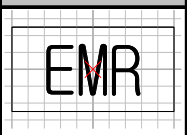
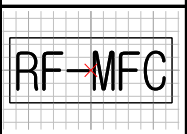
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
39	역무자동화설비	TIRE102	TI-RAIL-TICK	SCALE		선별처리장		
40		TIRE103	TI-RAIL-TICK	SCALE		중앙전산기		
41		TIRE104	TI-RAIL-TICK	SCALE		집계기		
42		TIRE105	TI-RAIL-TICK	SCALE		통계용 전산기		
43		TIRE106	TI-RAIL-TICK	SCALE		통계용 단말기		

6.7 방재 및 보안설비(Disaster Prevention & Security Equipment) : TD

TD : 통신설비분야(T)+방재및보안설비(D)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	보안설비	TDCC101	TD-SCRT-CCTV	SCALE		카메라		
2		TDCC102	TD-SCRT-CCTV	SCALE		카메라(PAN/TILT)		
3		TDCS101	TD-SCRT-CCTV	SCALE		CCTV 콘솔		
4		TDCM101	TD-SCRT-CCTV	SCALE		영상감시장치 모니터		
5		TDST111	TD-SCRT-CCTV	SCALE		CCTV		
6		TDST121	TD-SCRT-CCTV	SCALE		CCTV		
7		TDST122	TD-SCRT-CCTV	SCALE		CCTV(릴레이)		
8		TDST131	TD-SCRT-CCTV	SCALE		CCTV 고정식		
9		TDST132	TD-SCRT-CCTV	SCALE		CCTV 회전식		
10		TDST141	TD-SCRT-GURD	SCALE		방범감지기		
11		TDST151	TD-SCRT-CCTV	SCALE		CCTV제어반		
12		TDRE101	TD-DPRV-EQPM	SCALE		비상통화주장치		

TD : 통신설비분야(T)+방재및보안설비(D)

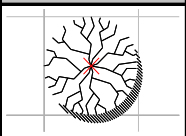
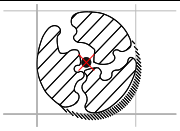
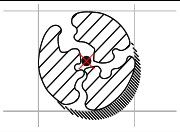
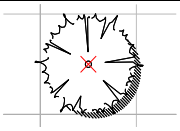
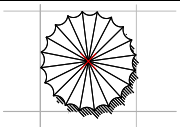
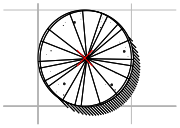
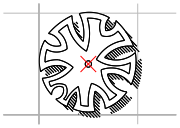
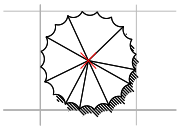
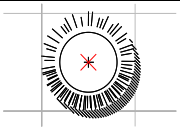
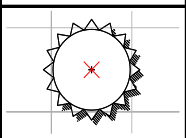
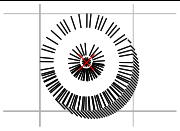
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	보안설비	TDRE102	TD-DPRV-EQPM	SCALE		비상통화자장치		
14		TDRP101	TD-DPRV-EQPM	SCALE		이동화상설비		

7. 조경분야 심벌 목록

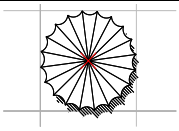
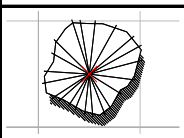
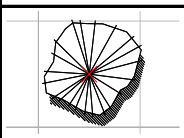
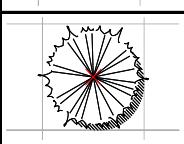
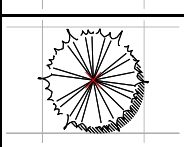
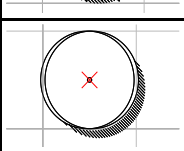
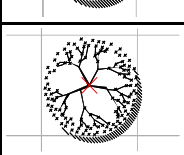
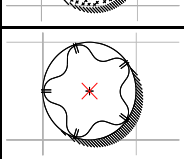
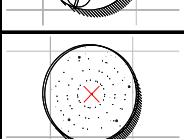
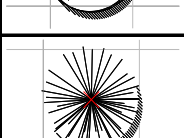
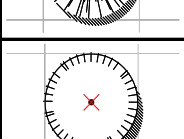
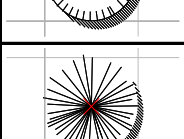
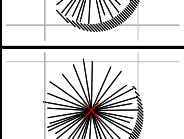
7.1 식재(Plant) : LP

(1) 상록교목수

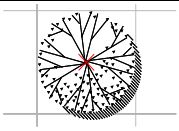
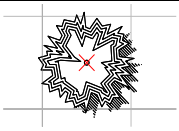
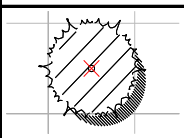
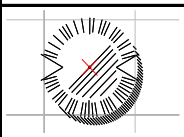
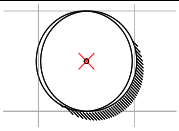
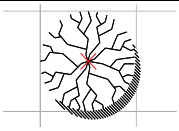
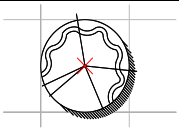
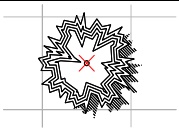
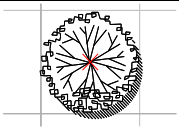
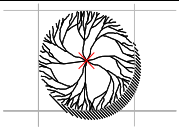
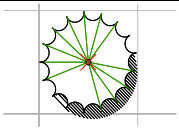
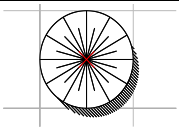
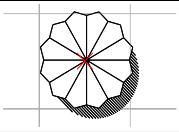
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	상록 침엽수	LPEC101	LP-PLNT-GTRE	DIA		가시나무	D0015223	정원수
2		LPEC102	LP-PLNT-GTRE	DIA		가이즈까향(조형)	D0015223	정원수
3		LPEC103	LP-PLNT-GTRE	DIA		가이즈까향나무	D0015223	정원수
4		LPEC104	LP-PLNT-GTRE	DIA		구상나무	D0015223	정원수
5		LPEC105	LP-PLNT-GTRE	DIA		굴거리나무	D0015223	정원수
6		LPEC106	LP-PLNT-GTRE	DIA		금송	D0015223	정원수
7		LPEC107	LP-PLNT-GTRE	DIA		대나무	D0015223	정원수
8		LPEC108	LP-PLNT-GTRE	DIA		독일가문비	D0015223	정원수
9		LPEC109	LP-PLNT-GTRE	DIA		서양측백	D0015223	정원수
10		LPEC110	LP-PLNT-GTRE	DIA		선주목	D0015223	정원수
11		LPEC111	LP-PLNT-GTRE	DIA		섬잣나무	D0015223	정원수

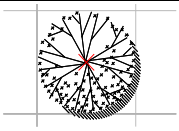
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	상록 침엽수	LPEC112	LP-PLNT-GTRE	DIA		소나무	D0015223	정원수
13		LPEC113	LP-PLNT-GTRE	DIA		소나무(둥근형)	D0015223	정원수
14		LPEC114	LP-PLNT-GTRE	DIA		소나무(장송)	D0015223	정원수
15		LPEC115	LP-PLNT-GTRE	DIA		스트로브잣나무	D0015223	정원수
16		LPEC116	LP-PLNT-GTRE	DIA		스트로브잣나무(둥근형)	D0015223	정원수
17		LPEC117	LP-PLNT-GTRE	DIA		실편백	D0015223	정원수
18		LPEC118	LP-PLNT-GTRE	DIA		아왜나무	D0015223	정원수
19		LPEC119	LP-PLNT-GTRE	DIA		애기동백나무	D0015223	정원수
20		LPEC120	LP-PLNT-GTRE	DIA		잣나무	D0015223	정원수
21		LPEC121	LP-PLNT-GTRE	DIA		전나무	D0015223	정원수
22		LPEC122	LP-PLNT-GTRE	DIA		주목	D0015223	정원수
23		LPEC123	LP-PLNT-GTRE	DIA		측백나무	D0015223	정원수
24		LPEC124	LP-PLNT-GTRE	DIA		측백나무(둥근형)	D0015223	정원수

LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	상록 침엽수	LPEC125	LP-PLNT-GTRE	DIA		태산목	D0015223	정원수
26		LPEC126	LP-PLNT-GTRE	DIA		편백	D0015223	정원수
27		LPEC127	LP-PLNT-GTRE	DIA		해송	D0015223	정원수
28		LPEC128	LP-PLNT-GTRE	DIA		향나무	D0015223	정원수
29		LPEC129	LP-PLNT-GTRE	DIA		호랑가시나무	D0015223	정원수
30		LPEC130	LP-PLNT-GTRE	DIA		홍가시나무	D0015223	정원수
31		LPEC131	LP-PLNT-GTRE	DIA		화백	D0015223	정원수
32		LPEC132	LP-PLNT-GTRE	DIA		황금편백	D0015223	정원수
33		LPEC133	LP-PLNT-GTRE	DIA		후박나무	D0015223	정원수
34		LPEC134	LP-PLNT-GTRE	DIA		후피향나무	D0015223	정원수
35		LPEC135	LP-PLNT-GTRE	DIA		히말라야시다	D0015223	정원수
36	상록활엽수	LPEB101	LP-PLNT-GTRE	DIA		구실잣밤나무	D0015223	정원수
37		LPEB102	LP-PLNT-GTRE	DIA		동백나무	D0015223	정원수

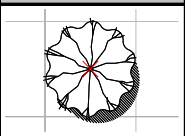
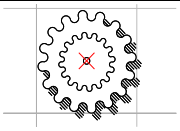
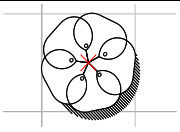
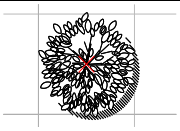
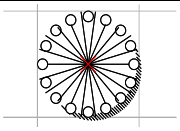
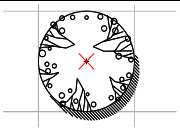
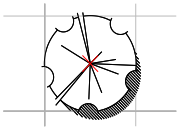
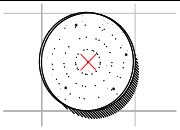
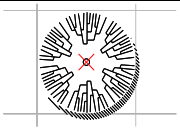
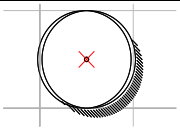
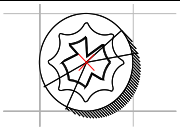
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	상록활엽수	LPEB103	LP-PLNT-GTRE	DIA		동백나무(겹)	D0015223	정원수

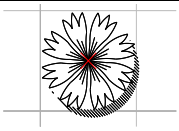
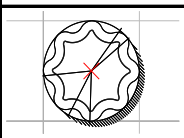
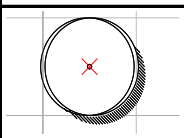
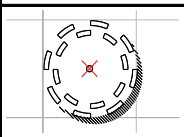
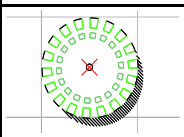
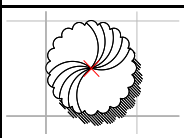
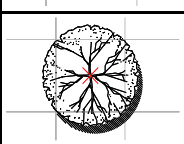
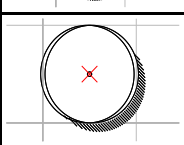
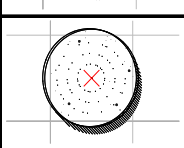
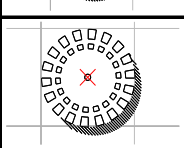
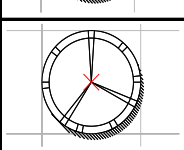
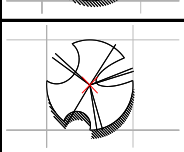
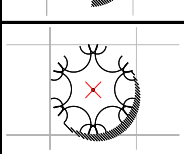
7.1 식재(Plant) : LP

(2) 낙엽교목수

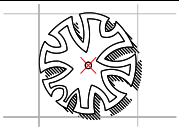
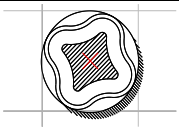
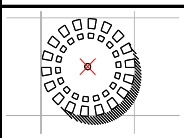
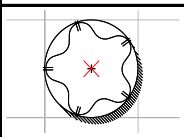
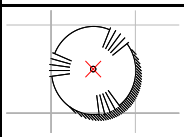
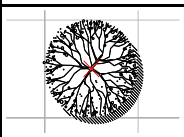
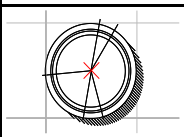
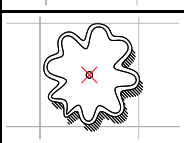
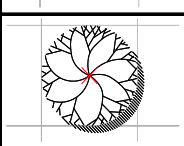
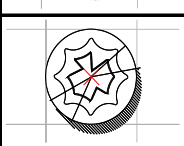
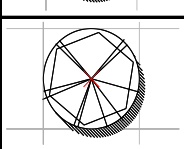
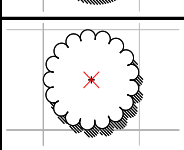
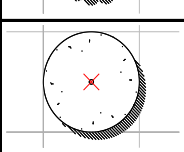
LP : 조경분야(L) + 식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	낙엽 침엽수	LPDC101	LP-PLNT-DTRE	DIA		메타세퀘이아	D0015223	정원수
2	낙엽 활엽수	LPDB101	LP-PLNT-DTRE	DIA		가중나무	D0015223	정원수
3		LPDB102	LP-PLNT-DTRE	DIA		갈참나무	D0015223	정원수
4		LPDB103	LP-PLNT-DTRE	DIA		감나무	D0015223	정원수
5		LPDB104	LP-PLNT-DTRE	DIA		겹벚나무	D0015223	정원수
6		LPDB105	LP-PLNT-DTRE	DIA		계수나무	D0015223	정원수
7		LPDB106	LP-PLNT-DTRE	DIA		고로쇠나무	D0015223	정원수
8		LPDB107	LP-PLNT-DTRE	DIA		굴참나무	D0015223	정원수
9		LPDB108	LP-PLNT-DTRE	DIA		귀룽나무	D0015223	정원수
10		LPDB109	LP-PLNT-DTRE	DIA		꽃복숭아	D0015223	정원수
11		LPDB110	LP-PLNT-DTRE	DIA		꽃사과	D0015223	정원수

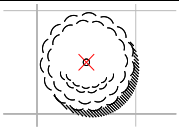
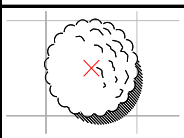
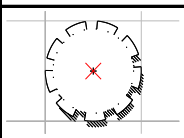
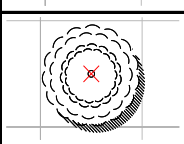
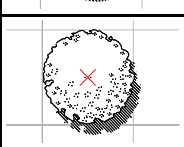
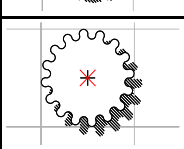
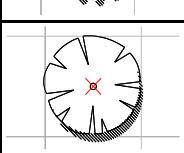
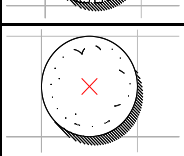
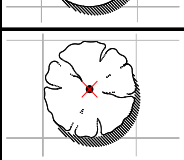
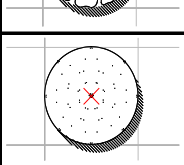
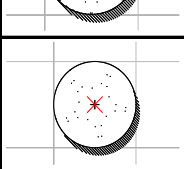
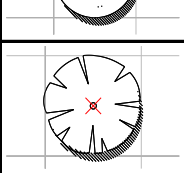
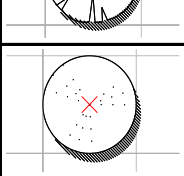
LP : 조경분야(L) + 식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	낙엽 활엽수	LPDB111	LP-PLNT-DTRE	DIA		꽃산딸나무	D0015223	정원수
13		LPDB112	LP-PLNT-DTRE	DIA		꽃아그배나무	D0015223	정원수
14		LPDB113	LP-PLNT-DTRE	DIA		낙우송	D0015223	정원수
15		LPDB114	LP-PLNT-DTRE	DIA		노각나무	D0015223	정원수
16		LPDB115	LP-PLNT-DTRE	DIA		노르웨이단풍	D0015223	정원수
17		LPDB116	LP-PLNT-DTRE	DIA		느릅나무	D0015223	정원수
18		LPDB117	LP-PLNT-DTRE	DIA		느티나무	D0015223	정원수
19		LPDB118	LP-PLNT-DTRE	DIA		다릅나무	D0015223	정원수
20		LPDB119	LP-PLNT-DTRE	DIA		대왕참나무	D0015223	정원수
21		LPDB120	LP-PLNT-DTRE	DIA		대추나무	D0015223	정원수
22		LPDB121	LP-PLNT-DTRE	DIA		두충나무	D0015223	정원수
23		LPDB122	LP-PLNT-DTRE	DIA		들메나무	D0015223	정원수
24		LPDB123	LP-PLNT-DTRE	DIA		때죽나무	D0015223	정원수

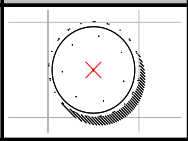
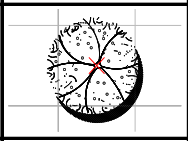
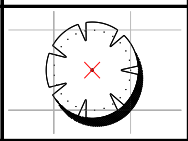
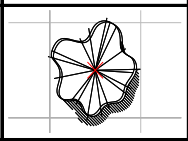
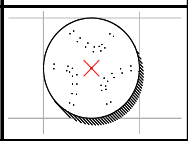
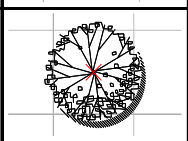
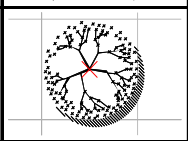
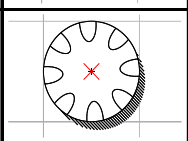
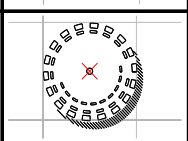
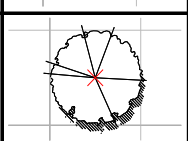
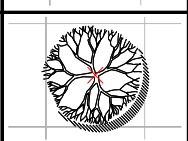
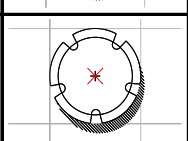
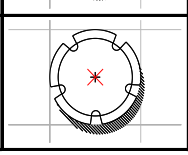
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	낙엽 활엽수	LPDB124	LP-PLNT-DTRE	DIA		떡갈나무	D0015223	정원수
26		LPDB125	LP-PLNT-DTRE	DIA		마가목	D0015223	정원수
27		LPDB126	LP-PLNT-DTRE	DIA		말채나무	D0015223	정원수
28		LPDB127	LP-PLNT-DTRE	DIA		매화나무	D0015223	정원수
29		LPDB128	LP-PLNT-DTRE	DIA		모감주나무	D0015223	정원수
30		LPDB129	LP-PLNT-DTRE	DIA		모과나무	D0015223	정원수
31		LPDB130	LP-PLNT-DTRE	DIA		물푸레나무	D0015223	정원수
32		LPDB131	LP-PLNT-DTRE	DIA		배롱나무	D0015223	정원수
33		LPDB132	LP-PLNT-DTRE	DIA		백목련	D0015223	정원수
34		LPDB133	LP-PLNT-DTRE	DIA		버즘나무	D0015223	정원수
35		LPDB134	LP-PLNT-DTRE	DIA		벽오동	D0015223	정원수
36		LPDB135	LP-PLNT-DTRE	DIA		복자기	D0015223	정원수
37		LPDB136	LP-PLNT-DTRE	DIA		산단풍	D0015223	정원수

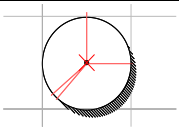
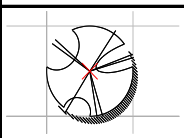
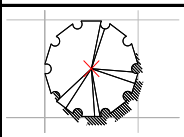
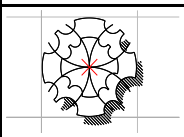
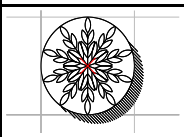
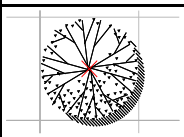
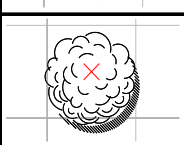
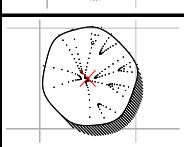
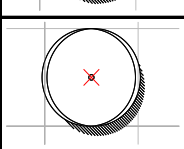
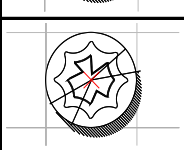
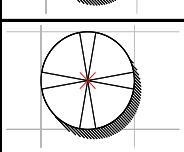
LP : 조경분야(L) + 식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	낙엽 활엽수	LPDB137	LP-PLNT-DTRE	DIA		산딸나무	D0015223	정원수
39		LPDB138	LP-PLNT-DTRE	DIA		산목련	D0015223	정원수
40		LPDB139	LP-PLNT-DTRE	DIA		산벚나무	D0015223	정원수
41		LPDB140	LP-PLNT-DTRE	DIA		산사나무	D0015223	정원수
42		LPDB141	LP-PLNT-DTRE	DIA		산수유	D0015223	정원수
43		LPDB142	LP-PLNT-DTRE	DIA		살구나무	D0015223	정원수
44		LPDB143	LP-PLNT-DTRE	DIA		상수리나무	D0015223	정원수
45		LPDB144	LP-PLNT-DTRE	DIA		서어나무	D0015223	정원수
46		LPDB145	LP-PLNT-DTRE	DIA		석류나무	D0015223	정원수
47		LPDB146	LP-PLNT-DTRE	DIA		세로티나벚나무	D0015223	정원수
48		LPDB147	LP-PLNT-DTRE	DIA		쉬나무	D0015223	정원수
49		LPDB148	LP-PLNT-DTRE	DIA		신갈나무	D0015223	정원수
50		LPDB149	LP-PLNT-DTRE	DIA		아그배나무	D0015223	정원수

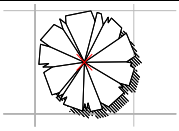
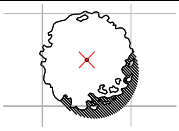
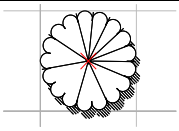
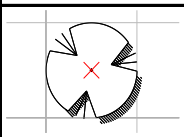
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
51	낙엽 활엽수	LPDB150	LP-PLNT-DTRE	DIA		야광나무	D0015223	정원수
52		LPDB151	LP-PLNT-DTRE	DIA		왕벚나무	D0015223	정원수
53		LPDB152	LP-PLNT-DTRE	DIA		은행나무	D0015223	정원수
54		LPDB153	LP-PLNT-DTRE	DIA		음나무	D0015223	정원수
55		LPDB154	LP-PLNT-DTRE	DIA		이팝나무	D0015223	정원수
56		LPDB155	LP-PLNT-DTRE	DIA		일본목련	D0015223	정원수
57		LPDB156	LP-PLNT-DTRE	DIA		자귀나무	D0015223	정원수
58		LPDB157	LP-PLNT-DTRE	DIA		자목련	D0015223	정원수
59		LPDB158	LP-PLNT-DTRE	DIA		자엽자두	D0015223	정원수
60		LPDB159	LP-PLNT-DTRE	DIA		자작나무	D0015223	정원수
61		LPDB160	LP-PLNT-DTRE	DIA		졸참나무	D0015223	정원수
62		LPDB161	LP-PLNT-DTRE	DIA		중국단풍	D0015223	정원수
63		LPDB162	LP-PLNT-DTRE	DIA		쪽동백	D0015223	정원수

LP : 조경분야(L) + 식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
64	낙엽 활엽수	LPDB163	LP-PLNT-DTRE	DIA		참나무	D0015223	정원수
65		LPDB164	LP-PLNT-DTRE	DIA		참죽나무	D0015223	정원수
66		LPDB165	LP-PLNT-DTRE	DIA		채진목	D0015223	정원수
67		LPDB166	LP-PLNT-DTRE	DIA		청단풍	D0015223	정원수
68		LPDB167	LP-PLNT-DTRE	DIA		층층나무	D0015223	정원수
69		LPDB168	LP-PLNT-DTRE	DIA		칠엽수	D0015223	정원수
70		LPDB169	LP-PLNT-DTRE	DIA		튜립나무	D0015223	정원수
71		LPDB170	LP-PLNT-DTRE	DIA		팥배나무	D0015223	정원수
72		LPDB171	LP-PLNT-DTRE	DIA		팽나무	D0015223	정원수
73		LPDB172	LP-PLNT-DTRE	DIA		피나무	D0015223	정원수
74		LPDB173	LP-PLNT-DTRE	DIA		허니아카시아	D0015223	정원수
75		LPDB174	LP-PLNT-DTRE	DIA		헛개나무	D0015223	정원수
76		LPDB175	LP-PLNT-DTRE	DIA		호도나무	D0015223	정원수

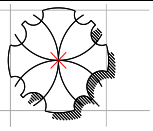
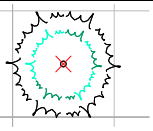
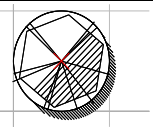
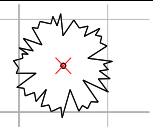
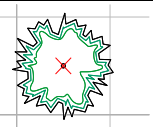
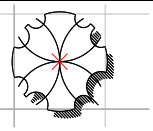
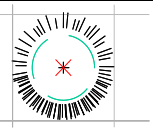
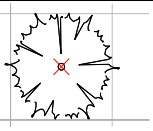
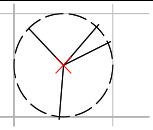
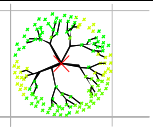
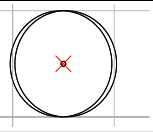
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
77	낙엽 활엽수	LPDB176	LP-PLNT-DTRE	DIA		홍단풍	D0015223	정원수
78		LPDB177	LP-PLNT-DTRE	DIA		황벽나무	D0015223	정원수
79		LPDB178	LP-PLNT-DTRE	DIA		회화나무	D0015223	정원수
80		LPDB179	LP-PLNT-DTRE	DIA		흑호도나무	D0015223	정원수

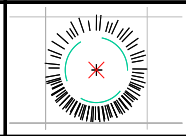
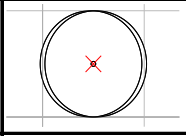
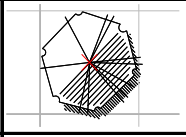
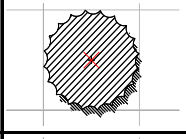
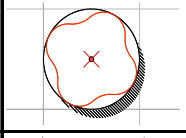
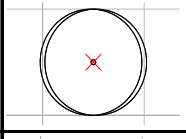
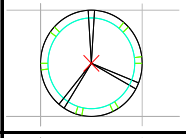
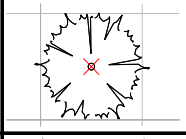
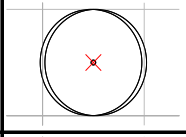
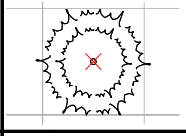
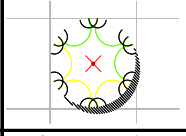
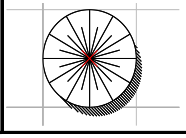
7.1 식재(Plant) : LP

(3) 상록관목수

LP : 조경분야(L) + 식재(P)

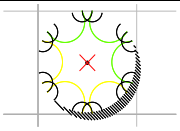
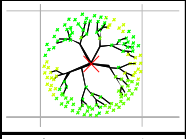
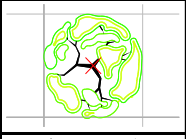
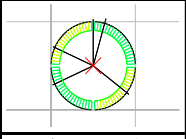
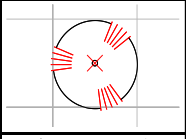
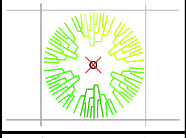
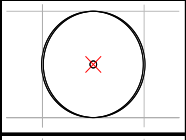
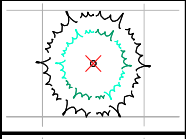
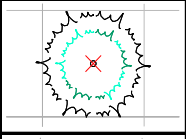
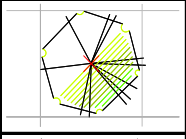
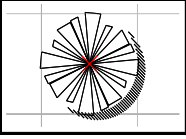
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	상록 침엽수	LPAC101	LP-PLNT-GSHB	DIA		광나무	D0015223	정원수
2		LPAC102	LP-PLNT-GSHB	DIA		광나무(둥근형)	D0015223	정원수
3		LPAC103	LP-PLNT-GSHB	DIA		금목서	D0015223	정원수
4		LPAC104	LP-PLNT-GSHB	DIA		꽝꽝나무	D0015223	정원수
5		LPAC105	LP-PLNT-GSHB	DIA		남천	D0015223	정원수
6		LPAC106	LP-PLNT-GSHB	DIA		눈주목	D0015223	정원수
7		LPAC107	LP-PLNT-GSHB	DIA		눈향나무	D0015223	정원수
8		LPAC108	LP-PLNT-GSHB	DIA		다정큼나무	D0015223	정원수
9		LPAC109	LP-PLNT-GSHB	DIA		돈나무	D0015223	정원수
10		LPAC110	LP-PLNT-GSHB	DIA		둥근일광편백	D0015223	정원수
11		LPAC111	LP-PLNT-GSHB	DIA		둥근향(옥향)	D0015223	정원수

LP : 조경분야(L)+식재(P)

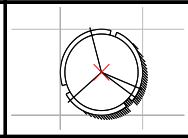
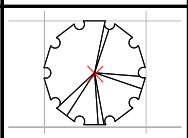
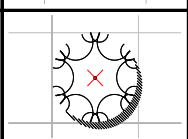
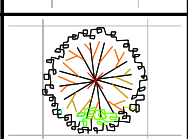
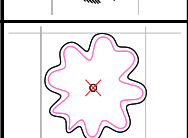
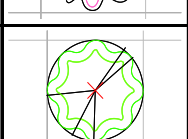
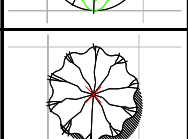
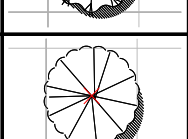
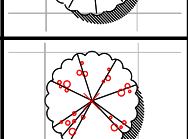
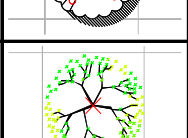
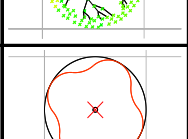
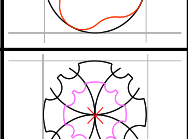
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	상록 침엽수	LPAC112	LP-PLNT-GSHB	DIA		미국눈향	D0015223	정원수
13		LPAC113	LP-PLNT-GSHB	DIA		옥향	D0015223	정원수
14		LPAC114	LP-PLNT-GSHB	DIA		은목서	D0015223	정원수
15		LPAC115	LP-PLNT-GSHB	DIA		줄사철	D0015223	정원수
16		LPAC116	LP-PLNT-GSHB	DIA		치자나무	D0015223	정원수
17		LPAC117	LP-PLNT-GSHB	DIA		파라칸사스	D0015223	정원수
18		LPAC118	LP-PLNT-GSHB	DIA		팔손이나무	D0015223	정원수
19		LPAC119	LP-PLNT-GSHB	DIA		함박꽃나무	D0015223	정원수
20		LPAC120	LP-PLNT-GSHB	DIA		협죽도	D0015223	정원수
21		LPAC121	LP-PLNT-GSHB	DIA		회양목	D0015223	정원수
22	상록 활엽수	LPAB101	LP-PLNT-GSHB	DIA		사철나무	D0015223	정원수
23		LPAB102	LP-PLNT-GSHB	DIA		사철나무(둥근형)	D0015223	정원수

7.1 식재(Plant) : LP
(4) 낙엽관목수

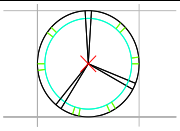
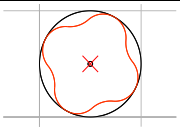
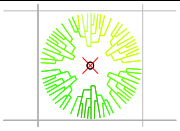
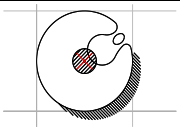
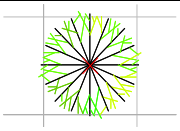
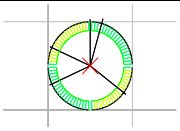
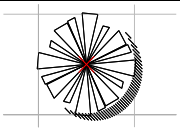
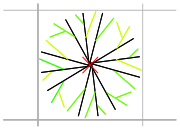
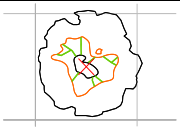
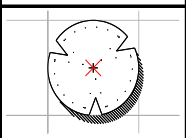
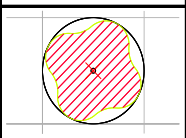
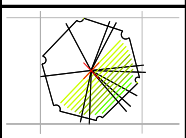
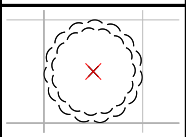
LP : 조경분야(L) + 식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	낙엽 활엽수	LPBB101	LP-PLNT-DSHB	DIA		개나리	D0015223	정원수
2		LPBB102	LP-PLNT-DSHB	DIA		개쉬땅나무	D0015223	정원수
3		LPBB103	LP-PLNT-DSHB	DIA		개야광나무	D0015223	정원수
4		LPBB104	LP-PLNT-DSHB	DIA		갯버들	D0015223	정원수
5		LPBB105	LP-PLNT-DSHB	DIA		겹산철쭉	D0015223	정원수
6		LPBB106	LP-PLNT-DSHB	DIA		겹철쭉	D0015223	정원수
7		LPBB107	LP-PLNT-DSHB	DIA		고광나무	D0015223	정원수
8		LPBB108	LP-PLNT-DSHB	DIA		낙상홍	D0015223	정원수
9		LPBB109	LP-PLNT-DSHB	DIA		눈섬개야광	D0015223	정원수
10		LPBB110	LP-PLNT-DSHB	DIA		능소화	D0015223	정원수
11		LPBB111	LP-PLNT-DSHB	DIA		단풍철쭉	D0015223	정원수

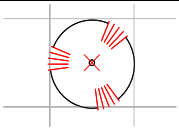
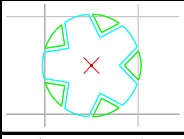
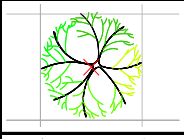
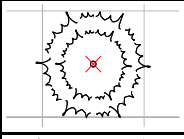
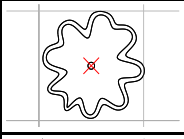
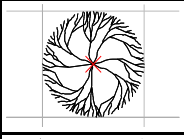
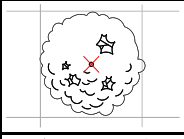
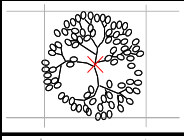
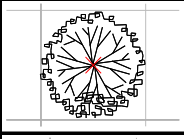
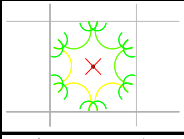
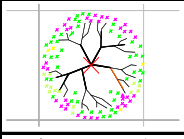
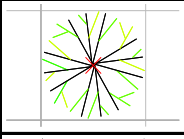
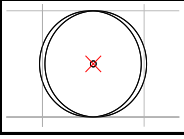
LP : 조경분야(L) + 식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	낙엽 활엽수	LPBB112	LP-PLNT-DSHB	DIA		당종려	D0015223	정원수
13		LPBB113	LP-PLNT-DSHB	DIA		덜꿩나무	D0015223	정원수
14		LPBB114	LP-PLNT-DSHB	DIA		덩굴장미	D0015223	정원수
15		LPBB115	LP-PLNT-DSHB	DIA		등나무	D0015223	정원수
16		LPBB116	LP-PLNT-DSHB	DIA		뜰보리수	D0015223	정원수
17		LPBB117	LP-PLNT-DSHB	DIA		만리화	D0015223	정원수
18		LPBB118	LP-PLNT-DSHB	DIA		말발도리	D0015223	정원수
19		LPBB119	LP-PLNT-DSHB	DIA		매자나무	D0015223	정원수
20		LPBB120	LP-PLNT-DSHB	DIA		명자나무	D0015223	정원수
21		LPBB121	LP-PLNT-DSHB	DIA		모란	D0015223	정원수
22		LPBB122	LP-PLNT-DSHB	DIA		목수국	D0015223	정원수
23		LPBB123	LP-PLNT-DSHB	DIA		무궁화	D0015223	정원수
24		LPBB124	LP-PLNT-DSHB	DIA		미선나무	D0015223	정원수

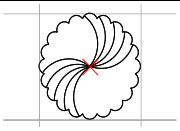
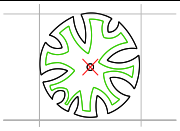
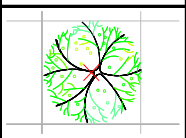
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	낙엽 활엽수	LPBB125	LP-PLNT-DSHB	DIA		박태기나무	D0015223	정원수
26		LPBB126	LP-PLNT-DSHB	DIA		백철쭉	D0015223	정원수
27		LPBB127	LP-PLNT-DSHB	DIA		병꽃나무	D0015223	정원수
28		LPBB128	LP-PLNT-DSHB	DIA		보리수	D0015223	정원수
29		LPBB129	LP-PLNT-DSHB	DIA		부용	D0015223	정원수
30		LPBB130	LP-PLNT-DSHB	DIA		불두화	D0015223	정원수
31		LPBB131	LP-PLNT-DSHB	DIA		비목나무	D0015223	정원수
32		LPBB132	LP-PLNT-DSHB	DIA		산수국	D0015223	정원수
33		LPBB133	LP-PLNT-DSHB	DIA		산철쭉	D0015223	정원수
34		LPBB134	LP-PLNT-DSHB	DIA		생강나무	D0015223	정원수
35		LPBB135	LP-PLNT-DSHB	DIA		수수꽃다리	D0015223	정원수
36		LPBB136	LP-PLNT-DSHB	DIA		아로니아	D0015223	정원수
37		LPBB137	LP-PLNT-DSHB	DIA		앵도나무	D0015223	정원수

LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	낙엽 활엽수	LPBB138	LP-PLNT-DSHB	DIA		영산홍	D0015223	정원수
39		LPBB139	LP-PLNT-DSHB	DIA		옥매화	D0015223	정원수
40		LPBB140	LP-PLNT-DSHB	DIA		자산홍	D0015223	정원수
41		LPBB141	LP-PLNT-DSHB	DIA		장미	D0015223	정원수
42		LPBB142	LP-PLNT-DSHB	DIA		조팝나무	D0015223	정원수
43		LPBB143	LP-PLNT-DSHB	DIA		조팝나무(둥근형)	D0015223	정원수
44		LPBB144	LP-PLNT-DSHB	DIA		좀작살나무	D0015223	정원수
45		LPBB145	LP-PLNT-DSHB	DIA		쥐똥나무	D0015223	정원수
46		LPBB146	LP-PLNT-DSHB	DIA		쥐똥나무(조형)	D0015223	정원수
47		LPBB147	LP-PLNT-DSHB	DIA		진달래	D0015223	정원수
48		LPBB148	LP-PLNT-DSHB	DIA		철쭉	D0015223	정원수
49		LPBB149	LP-PLNT-DSHB	DIA		해당화	D0015223	정원수
50		LPBB150	LP-PLNT-DSHB	DIA		화살나무	D0015223	정원수

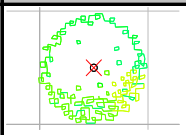
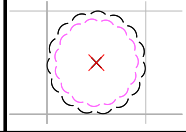
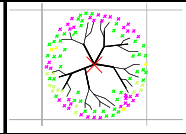
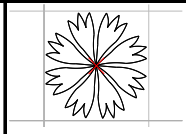
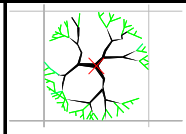
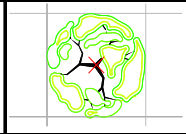
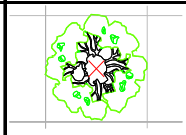
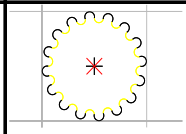
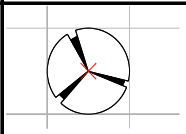
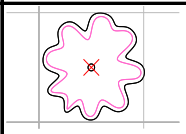
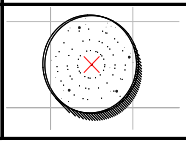
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
51	낙엽 활엽수	LPBB151	LP-PLNT-DSHB	DIA		황매화	D0015223	정원수
52		LPBB152	LP-PLNT-DSHB	DIA		흰말채나무	D0015223	정원수
53		LPBB153	LP-PLNT-DSHB	DIA		히어리	D0015223	정원수

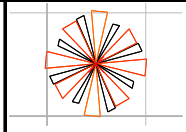
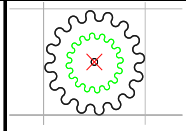
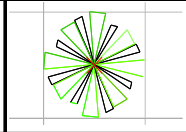
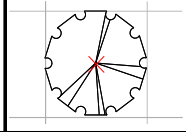
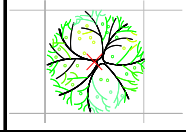
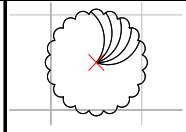
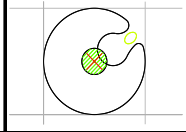
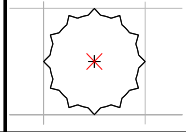
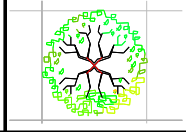
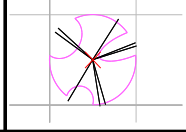
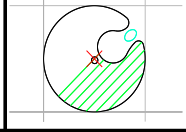
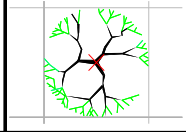
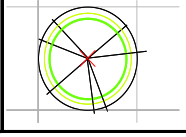
7.1 식재(Plant) : LP

(5) 지피초화류

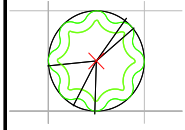
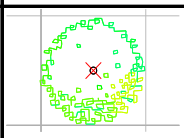
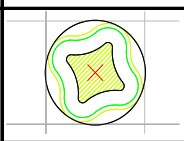
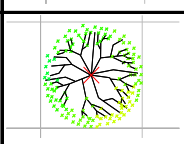
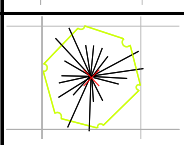
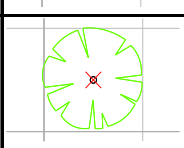
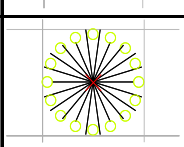
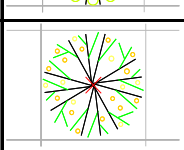
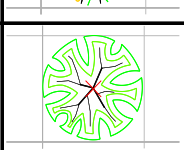
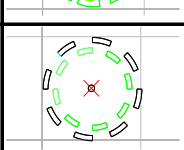
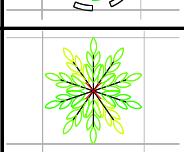
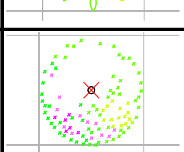
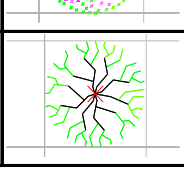
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	지피 초화류	LPFT101	LP-PLNT-MISC	DIA		감국		
2		LPFT102	LP-PLNT-MISC	DIA		관중		
3		LPFT103	LP-PLNT-MISC	DIA		금낭화		
4		LPFT104	LP-PLNT-MISC	DIA		기린초		
5		LPFT105	LP-PLNT-MISC	DIA		꽃범의꼬리		
6		LPFT106	LP-PLNT-MISC	DIA		꽃잔디		
7		LPFT107	LP-PLNT-MISC	DIA		꽃창포		
8		LPFT108	LP-PLNT-MISC	DIA		노랑꽃창포		
9		LPFT109	LP-PLNT-MISC	DIA		노루오줌		
10		LPFT110	LP-PLNT-MISC	DIA		돌단풍		
11		LPFT111	LP-PLNT-MISC	DIA		마가렛트		

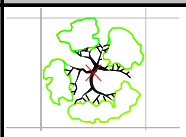
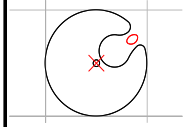
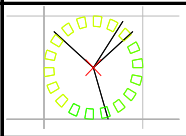
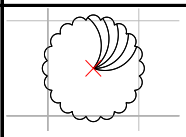
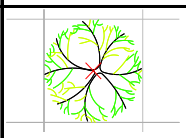
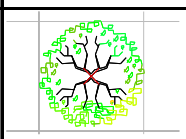
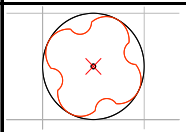
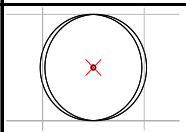
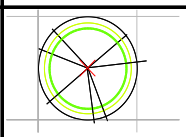
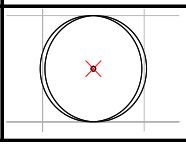
LP : 조경분야(L)+식재(P)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
12	지피 초화류	LPFT112	LP-PLNT-MISC	DIA		매발톱꽃		
13		LPFT113	LP-PLNT-MISC	DIA		맥문동		
14		LPFT114	LP-PLNT-MISC	DIA		무늬둥글레		
15		LPFT115	LP-PLNT-MISC	DIA		무스카리		
16		LPFT116	LP-PLNT-MISC	DIA		물레나물		
17		LPFT117	LP-PLNT-MISC	DIA		물싸리		
18		LPFT118	LP-PLNT-MISC	DIA		백리향		
19		LPFT119	LP-PLNT-MISC	DIA		벌개미취		
20		LPFT120	LP-PLNT-MISC	DIA		부들		
21		LPFT121	LP-PLNT-MISC	DIA		부처꽃		
22		LPFT122	LP-PLNT-MISC	DIA		붉은인동		
23		LPFT123	LP-PLNT-MISC	DIA		붓꽃		
24		LPFT124	LP-PLNT-MISC	DIA		붓드레이아		

LP : 조경분야(L)+식재(P)

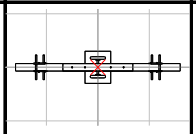
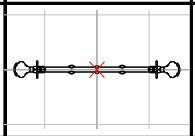
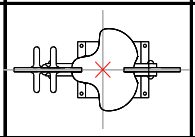
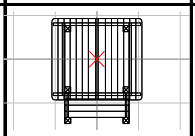
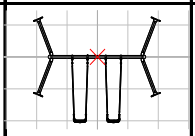
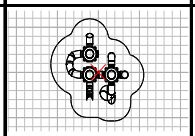
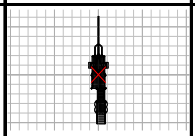
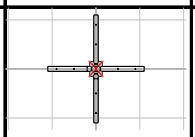
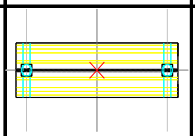
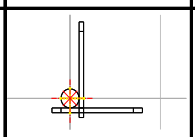
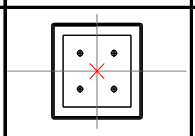
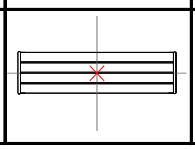
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
25	지피 초화류	LPFT125	LP-PLNT-MISC	DIA		비비추		
26		LPFT126	LP-PLNT-MISC	DIA		빈카마이너		
27		LPFT127	LP-PLNT-MISC	DIA		사사		
28		LPFT128	LP-PLNT-MISC	DIA		상록패랭이		
29		LPFT129	LP-PLNT-MISC	DIA		송악		
30		LPFT130	LP-PLNT-MISC	DIA		수국		
31		LPFT131	LP-PLNT-MISC	DIA		수선화		
32		LPFT132	LP-PLNT-MISC	DIA		수호초		
33		LPFT133	LP-PLNT-MISC	DIA		실란		
34		LPFT134	LP-PLNT-MISC	DIA		쑥부쟁이		
35		LPFT135	LP-PLNT-MISC	DIA		아주가		
36		LPFT136	LP-PLNT-MISC	DIA		영춘화		
37		LPFT137	LP-PLNT-MISC	DIA		옥잠화		

LP : 조경분야(L)+식재(P)

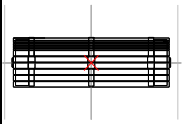
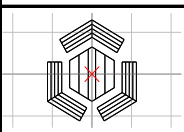
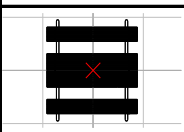
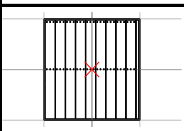
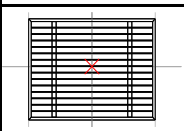
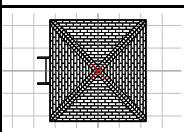
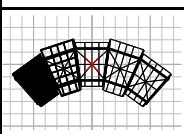
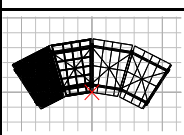
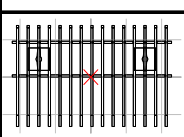
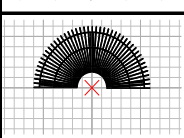
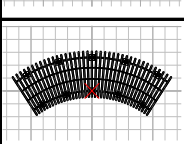
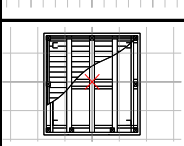
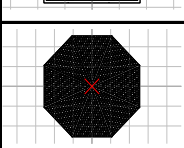
번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
38	지피 초화류	LPFT138	LP-PLNT-MISC	DIA		원추리		
39		LPFT139	LP-PLNT-MISC	DIA		유카		
40		LPFT140	LP-PLNT-MISC	DIA		은방울꽃		
41		LPFT141	LP-PLNT-MISC	DIA		인동덩굴		
42		LPFT142	LP-PLNT-MISC	DIA		조릿대		
43		LPFT143	LP-PLNT-MISC	DIA		줄무늬석창포		
44		LPFT144	LP-PLNT-MISC	DIA		칡		
45		LPFT145	LP-PLNT-MISC	DIA		패랭이꽃		
46		LPFT146	LP-PLNT-MISC	DIA		피나물		
47		LPFT147	LP-PLNT-MISC	DIA		후록스		

7.2 조경시설(Landscape Facilities) : LF

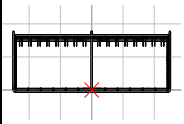
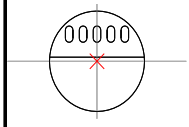
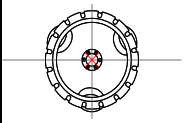
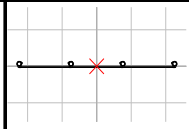
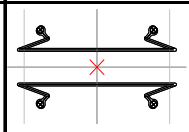
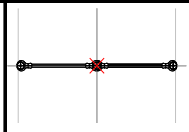
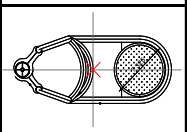
LF : 조경분야(L)+조경시설(F)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
1	유희시설	LFBT101	LP-FACL-SPOT	MMUNT		시소		
2		LFBT102	LP-FACL-SPOT	MMUNT		스프링시소		
3		LFBT103	LP-FACL-SPOT	MMUNT		흔들놀이		
4		LFBT104	LP-FACL-SPOT	MMUNT		놀이집		
5		LFBT105	LP-FACL-SPOT	MMUNT		그네		
6		LFBT201	LP-FACL-SPOT	MMUNT		조합놀이대		
7		LFBT202	LP-FACL-SPOT	MMUNT		조합놀이대(배)		
8	안내시설	LFCT101	LP-FACL-GUID	MMUNT		안내간판		
9		LFCT201	LP-FACL-GUID	MMUNT		게시판		
10		LFCT301	LP-FACL-GUID	MMUNT		표지판		
11	휴게시설	LFDT101	LP-FACL-REST	MMUNT		의자		
12		LFDT102	LP-FACL-REST	MMUNT		평의자		

LF : 조경분야(L)+조경시설(F)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
13	휴게시설	LFDT103	LP-FACL-REST	MMUNT		등의자		
14		LFDT104	LP-FACL-REST	MMUNT		육각의자		
15		LFDT201	LP-FACL-REST	MMUNT		탁자		
16		LFDT301	LP-FACL-REST	MMUNT		평상		
17		LFDT302	LP-FACL-REST	MMUNT		평상(네모꼴)		
18		LFDT401	LP-FACL-REST	MMUNT		파고라		
19		LFDT402	LP-FACL-REST	MMUNT		파고라(반원형)		
20		LFDT403	LP-FACL-REST	MMUNT		파고라(선형)		
21		LFDT501	LP-FACL-REST	MMUNT		그늘집		
22		LFDT502	LP-FACL-REST	MMUNT		그늘집(반원형)		
23		LFDT503	LP-FACL-REST	MMUNT		그늘집(선형)		
24	편의시설	LFDT601	LP-FACL-REST	MMUNT		정자		
25		LFDT602	LP-FACL-REST	MMUNT		정자(팔각)		

LF : 조경분야(L)+조경시설(F)

번호	공통분류	심벌코드	입력레이어	유형	심벌형상	내 용	NGIS	비고
26	편의시설	LFET301	LP-FACL-BNFT	MMUNT		자전거보관대		
27	관리시설	LFFT101	LP-FACL-BNFT	MMUNT		휴지통		
28	체력단련시설	LFGT101	LP-FACL-SPOT	MMUNT		농구대		
29		LFGT102	LP-FACL-SPOT	MMUNT		철봉		
30		LFGT103	LP-FACL-SPOT	MMUNT		평행봉		
31		LFGT104	LP-FACL-SPOT	MMUNT		팔굽혀펴기		
32		LFGT105	LP-FACL-SPOT	MMUNT		허리돌리기		

[부속서 4]

선 목록

KICT 한국건설기술연구원

[부속서 4] 선 목록

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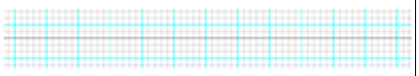
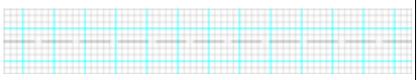
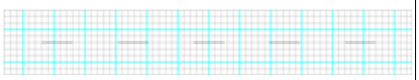
0. 선 목록 범례

가. 선 목록의 구조는 다음과 같다.

① 통신설비분야선목록

번호	공종분류 ②	공통분류 ③	선코드 ④	형 상 ⑤	내 용	비고
001	공통	ISO국제규격	A-ISONS01		ISO 국제규격 01 (CONTINUOUS)	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	

① 해당 목록의 이름
② 선의 분야별 적용공종
③ 유사한 선을 그룹핑한 분류
④ "건설CALS/EC 전자도면 작성표준"의 선 체계에 따른 코드

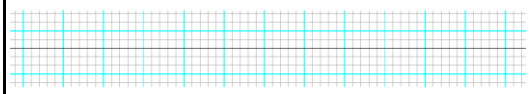
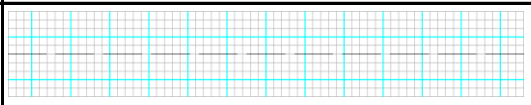
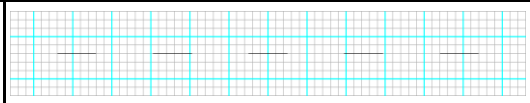
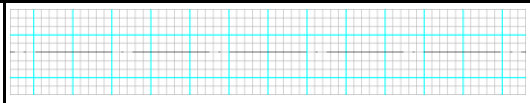
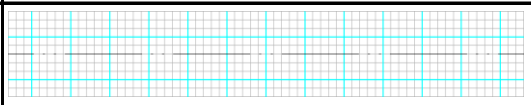
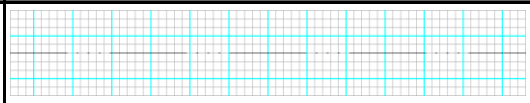
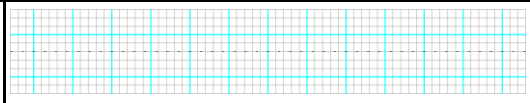
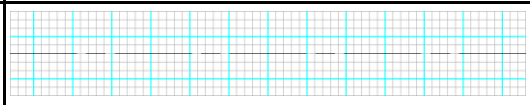
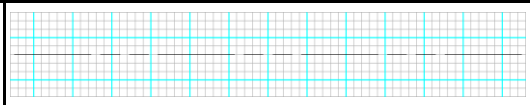
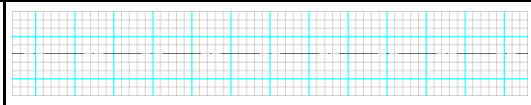
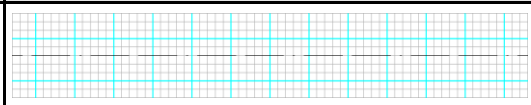
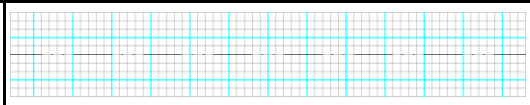
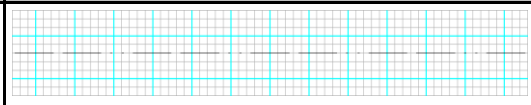
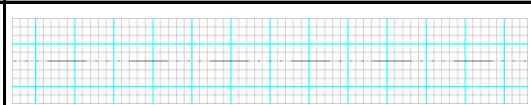
기본형태코드	선 명칭			
	형상/대상명칭		일련번호	구성코드
A	-BBBBB		nn	C
A:ISO 15종 외 기본선 구성 배치	기본선	ISONS:ISO국제규격	03:3번째 선	X:배수 크기
B:지그재그 등 변형선 구성 배치		CENTR:중심선 등		H:반배수 크기
C:동일 또는 다른 2종 이상 평행 배치	형상	ZIGZG:지그재그 선		R:반대방향
D:2종 이상 선의 평행/교대 배치		CIRCL:원형연속배치 등		
E:연속선 또는 파선에 기하 배치	대상	FACLN:시설물		
G:연속선 또는 파선에 문자 배치		SWALL:석축		
H:연속선 또는 파선에 기하/문자 배치		WATER:상수관로		
X:기타/미분류		DICHV:V형 측구 등		

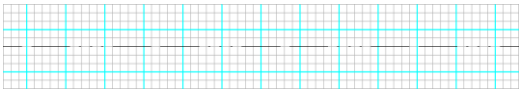
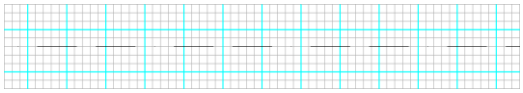
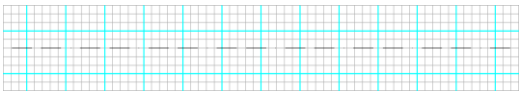
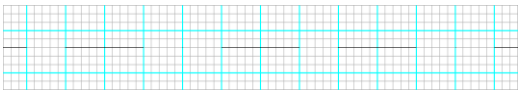
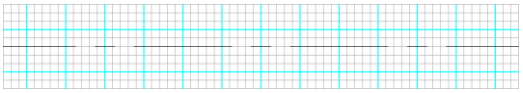
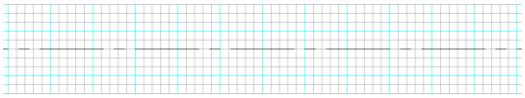
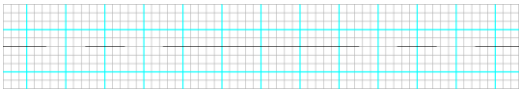
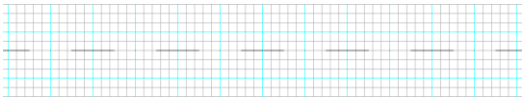
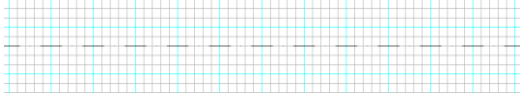
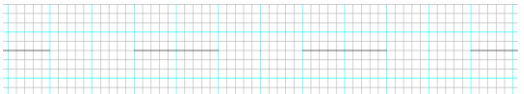
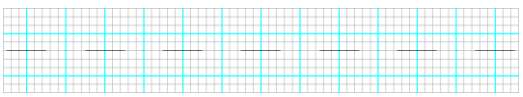
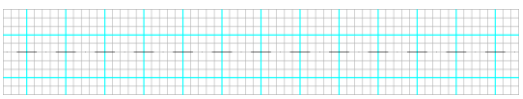
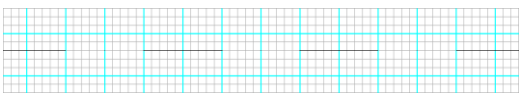
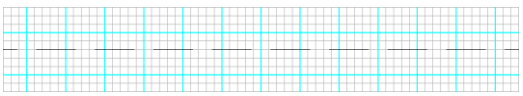
⑤ 선의 정의 간격은 1x1 격자위에 기준형상을 표기하고, 이 크기는 문자높이 2.0mm를 기준으로 하는 출력 권장간격이다.

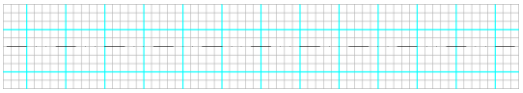
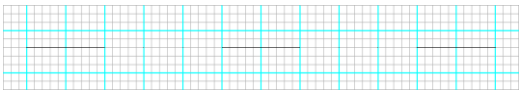
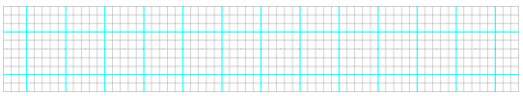
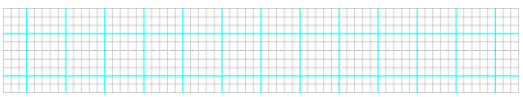
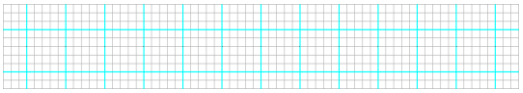
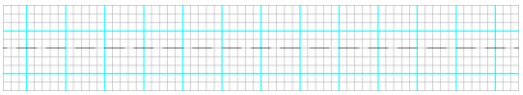
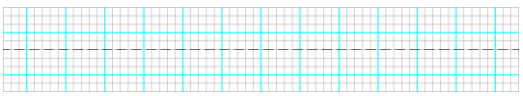
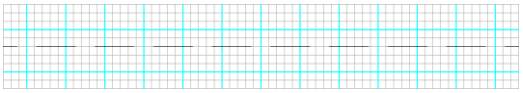
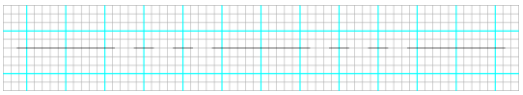
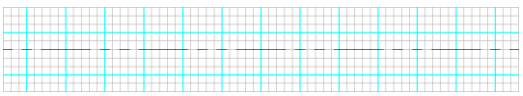
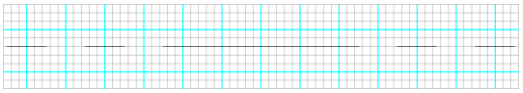
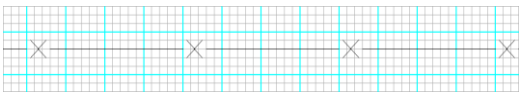
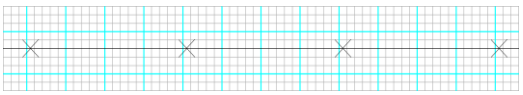
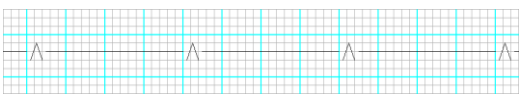
나. 토목, 건축 등 각 분야에서는 공통 선 목록과 해당 분야별 선 목록을 함께 사용한다.

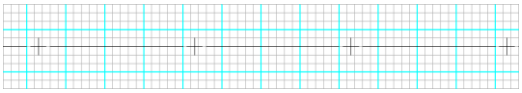
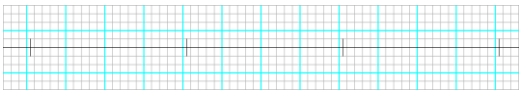
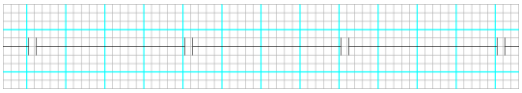
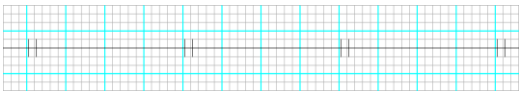
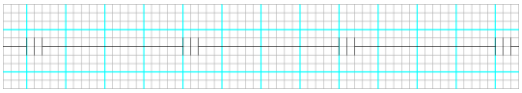
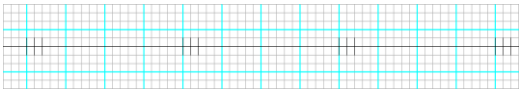
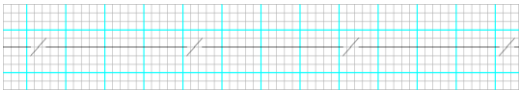
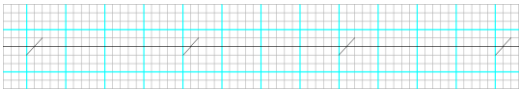
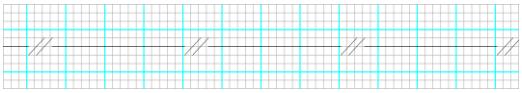
1. 공통분야 선 목록

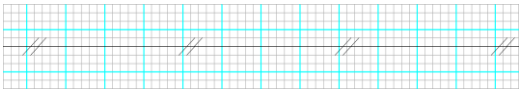
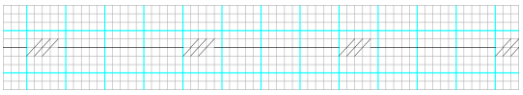
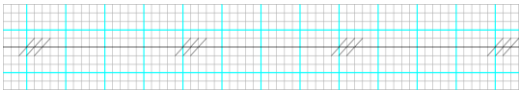
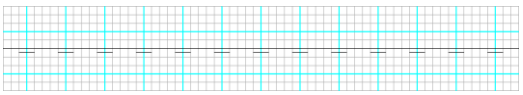
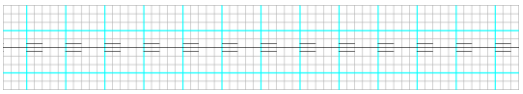
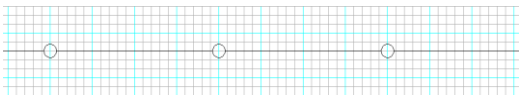
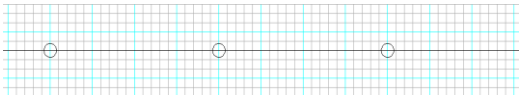
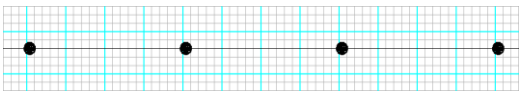
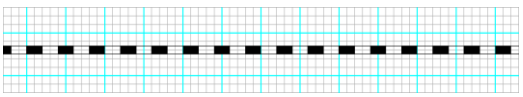
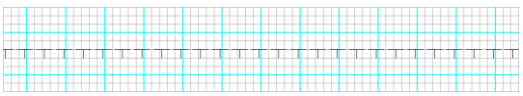
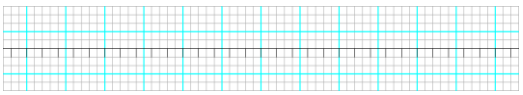
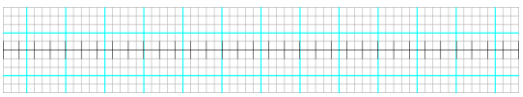
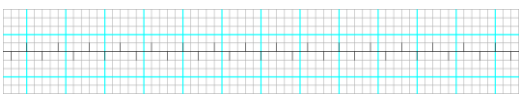
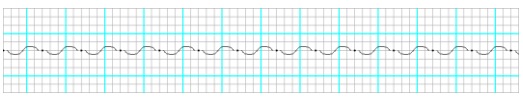
공통분야선목록

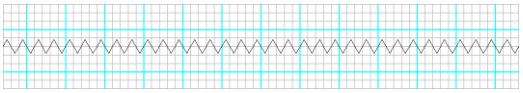
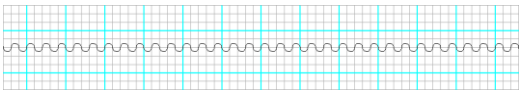
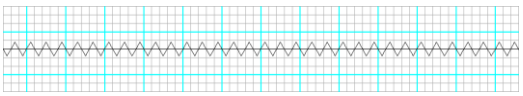
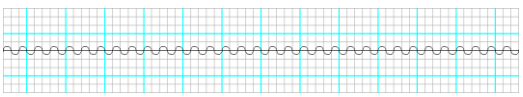
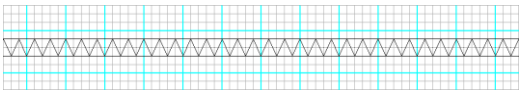
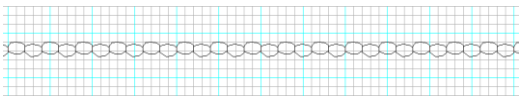
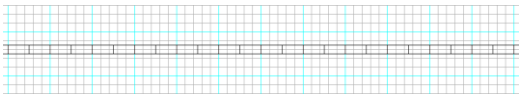
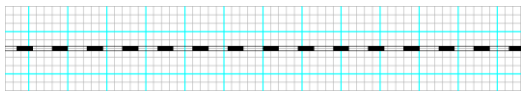
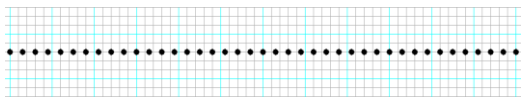
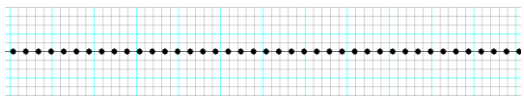
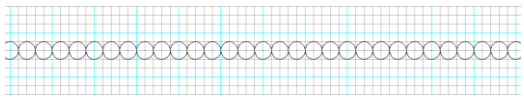
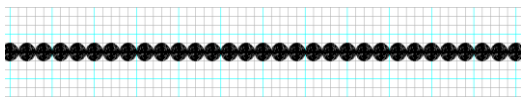
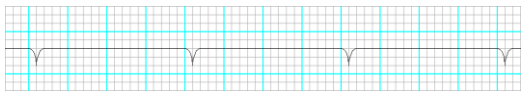
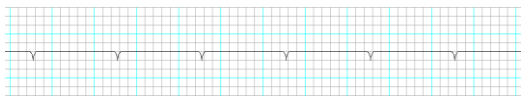
번호	공통분류	선코드	선형상	내 용	비고
001	ISO 국제규격	A-ISONS01 (CONTINUOUS)		ISO 국제규격 01	
002		A-ISONS02		ISO 국제규격 02	
003		A-ISONS03		ISO 국제규격 03	
004		A-ISONS04		ISO 국제규격 04	
005		A-ISONS05		ISO 국제규격 05	
006		A-ISONS06		ISO 국제규격 06	
007		A-ISONS07		ISO 국제규격 07	
008		A-ISONS08		ISO 국제규격 08	
009		A-ISONS09		ISO 국제규격 09	
010		A-ISONS10		ISO 국제규격 10	
011		A-ISONS11		ISO 국제규격 11	
012		A-ISONS12		ISO 국제규격 12	
013		A-ISONS13		ISO 국제규격 13	
014		A-ISONS14		ISO 국제규격 14	

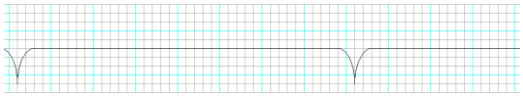
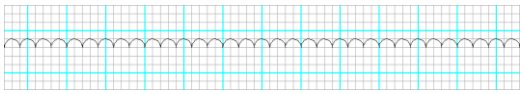
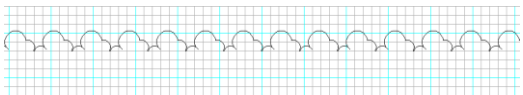
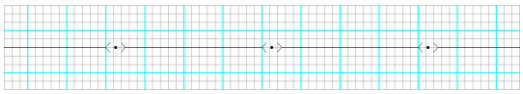
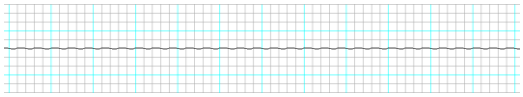
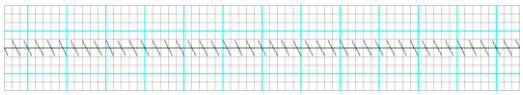
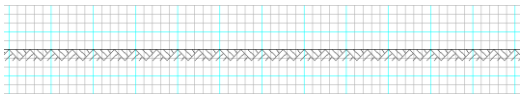
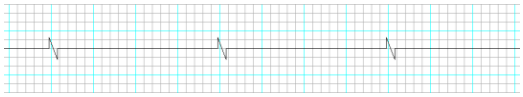
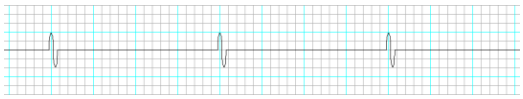
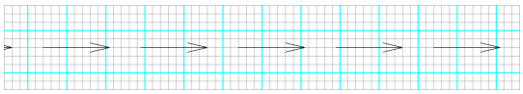
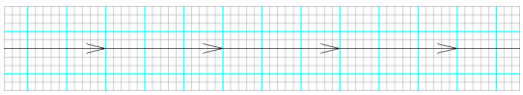
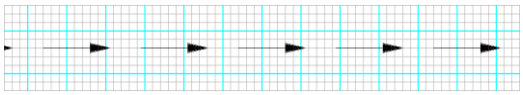
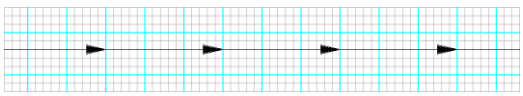
번호	공통분류	선코드	선형상	내 용	비고
015	ISO 국제규격	A-ISONS15		ISO 국제규격 15	
016	외곽선	A-BORDR01		외곽선(일반)	
017		A-BORDR01H		외곽선(반배수)	
018		A-BORDR01X		외곽선(배수)	
019	중심선	A-CENTR01		중심선(일반)	
020		A-CENTR01H		중심선(반배수)	
021		A-CENTR01X		중심선(배수)	
022	파단점선	A-DASDT01		파단점선(일반)	
023		A-DASDT01H		파단점선(반배수)	
024		A-DASDT01X		파단점선(배수)	
025	파선	A-DASHD01		파선(일반)	
026		A-DASHD01H		파선(반배수)	
027		A-DASHD01X		파선(배수)	
028	분할선	A-DIVID01		분할선(일반)	

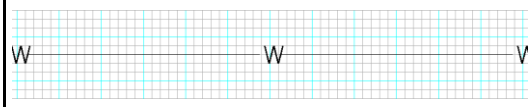
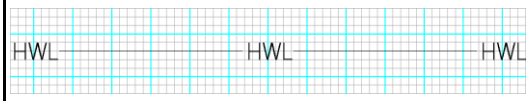
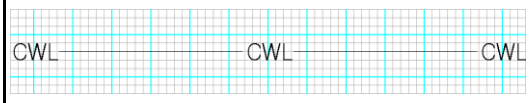
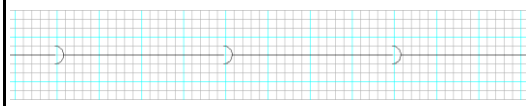
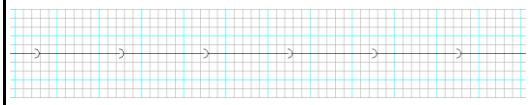
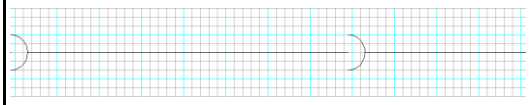
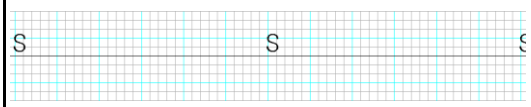
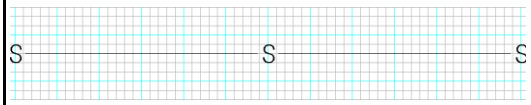
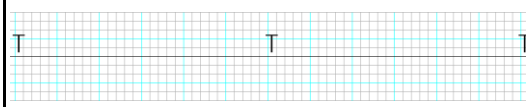
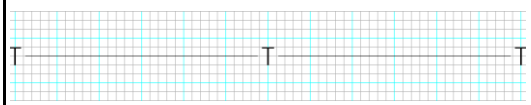
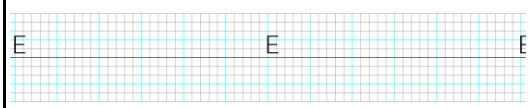
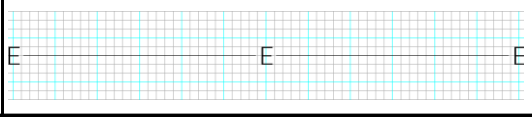
번호	공통분류	선코드	선형상	내 용	비고
029	분할선	A-DIVID01H		분할선(반배수)	
030		A-DIVID01X		분할선(배수)	
031	점선	A-DOTLN01		점선(일반)	
032		A-DOTLN01H		점선(반배수)	
033		A-DOTLN01X		점선(배수)	
034	숨은선(은선)	A-HIDDN01		숨은선(일반)	
035		A-HIDDN01H		숨은선(반배수)	
036		A-HIDDN01X		숨은선(배수)	
037	가상선	A-PHATM01		가상선(일반)	
038		A-PHATM01H		가상선(반배수)	
039		A-PHATM01X		가상선(배수)	
040	펜스	E-FENCE01		펜스(X 파선)	
041		E-FENCE02		펜스(X 실선)	
042		E-FENCE03		펜스(/\ 파선)	

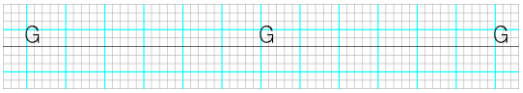
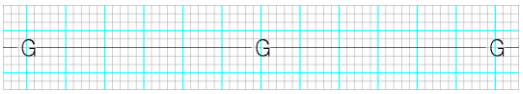
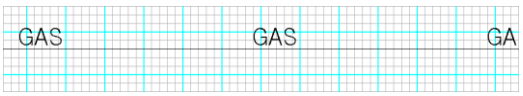
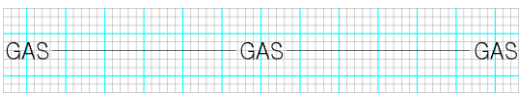
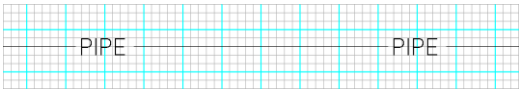
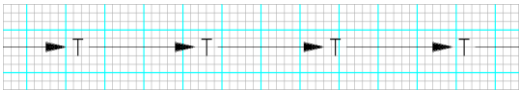
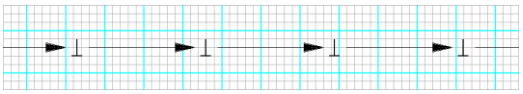
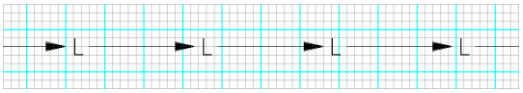
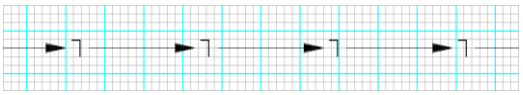
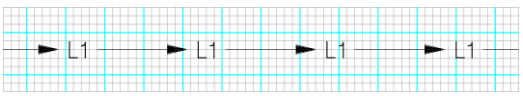
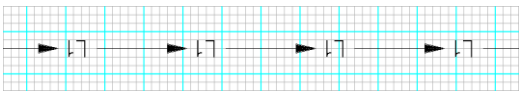
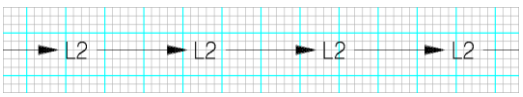
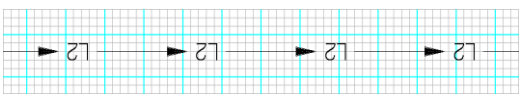
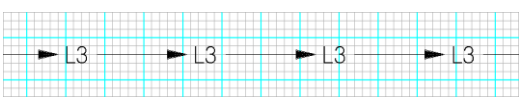
번호	공통분류	선코드	선형상	내 용	비고
043	펜스	E-FENCE04		펜스(+ 파선)	
044		E-FENCE05		펜스(□ 실선)	
045		E-FENCE06		펜스(○ 실선)	
046		E-FENCE07		펜스(◎ 실선)	
047		E-FENCE08		펜스(사각-X 실선)	
048		E-FENCE09		펜스(사각-X2 실선)	
049	설비공통	E-UTIL01		설비(| 실선)	
050		E-UTIL02		설비(|| 파선)	
051		E-UTIL03		설비(|| 실선)	
052		E-UTIL04		설비(||| 파선)	
053		E-UTIL05		설비(||| 실선)	
054		E-UTIL06		설비(/ 파선)	
055		E-UTIL07		설비(/ 실선)	
056		E-UTIL08		설비(// 파선)	

번호	공통분류	선코드	선형상	내 용	비고
057	설비공통	E-UTIL09		설비(// 실선)	
058		E-UTIL10		설비(/// 파선)	
059		E-UTIL11		설비(/// 실선)	
060	시설공통	E-FACLN01		시설(- 평행선)	
061		E-FACLN02		시설(= 평행선)	
062		E-FACLN03		시설(O 파선)	
063		E-FACLN04		시설(O 실선)	
064		E-FACLN05		시설(점,포스트)	
065		D-RROAD01		철도시설(기존)	
066	지형공통	E-TOPOG01		지형(⊤ 파선)	
067		E-TOPOG02		지형(⊤ 실선)	
068		E-TOPOG03		지형(| 실선)	
069		E-TOPOG04		지형(| 교대)	
070		E-TOPOG05		지형(~. 연속)	

번호	공통분류	선코드	선형상	내 용	비고
071	지그재그	B-ZIGZG01		지그재그(선)	
072		B-ZIGZG02		지그재그(호)	
073		C-ZIGZG01		지그재그(실선,선)	
074		C-ZIGZG02		지그재그(실선,호)	
075	석축	D-STWAL01		석축(신규)	
076		X-STWAL01		석축(기존)	
077	블록담	D-BLWAL01		블록담(기존)	
078		D-BLWAL02		블록담(신규)	
079	점/원형배열	E-DOTLN01		말뚝배열	
080		E-DOTLN02		말뚝배열(선)	
081		E-CIRCL01		강관원형파일배열	
082		E-CIRCL02		채움원형파일배열	
083	굴착선	E-DIGLN01		굴착선	
084		E-DIGLN01H		굴착선(반배수)	

번호	공통분류	선코드	선형상	내 용	비고
085	굴착선	E-DIGLN01X		굴착선(배수)	
086	경계	B-GREEN01		녹지/숲경계	
087		B-GREEN02		잡목경계	
088		E-BOUND01		행정경계	
089	기타라인	B-RANDM01		불규칙선	
090		E-DEMOL01		철거대상선	
091		X-EARTH01		지반선	
092	절단선	E-CUTLN01		절단선(선)	
093		E-CUTLN02		절단선(호)	
094	물흐름 라인	E-WFLOW01		물흐름(선, 파선)	
095		E-WFLOW02		물흐름(선, 실선)	
096		E-WFLOW03		물흐름(화살, 파선)	
097		E-WFLOW04		물흐름(화살, 실선)	
098	상수관로	G-WATER01		상수도관로(W 선위)	

번호	공통분류	선코드	선형상	내 용	비고
099	상수관로	G-WATER02		상수도관로(W 파선)	
100		G-HWATR01		온수관로(HWL 선위)	
101		G-HWATR02		온수관로(HWL 파선)	
102		G-CWATR01		냉수관로(CWL 선위)	
103		G-CWATR02		냉수관로(CWL 파선)	
104	오수관로	E-SEWER01		오수관로(방향)	
105		E-SEWER01H		오수관로(방향,반배수)	
106		E-SEWER01X		오수관로(방향,배수)	
107		G-SEWER01		오수관로(S 선위)	
108		G-SEWER02		오수관로(S 파선)	
109	통신선로	G-TELCM01		통신선로(T 선위)	
110		G-TELCM02		통신선로(T 파선)	
111	전기선로	G-ELECT01		전기선로(E 선위)	
112		G-ELECT02		전기선로(E 파선)	

번호	공통분류	선코드	선형상	내 용	비고
113	개스관로	G-GASLN01		개스관로(G 선위)	
114		G-GASLN02		개스관로(G 파선)	
115		G-GASLN03		개스관로(GAS 선위)	
116		G-GASLN04		개스관로(GAS 파선)	
117	파이프	G-PIPEL01		일반 파이프	
118	토사 측구	H-DICHT00		토사측구	
119		H-DICHT00R		토사측구(반향)	
120	L형 측구	H-DICHL00		L형측구 형식00	
121		H-DICHLR		L형측구 형식00(반향)	
122		H-DICHL01		L형측구 형식01	
123		H-DICHL01R		L형측구 형식01(반향)	
124		H-DICHL02		L형측구 형식02	
125		H-DICHL02R		L형측구 형식02(반향)	
126		H-DICHL03		L형측구 형식03	

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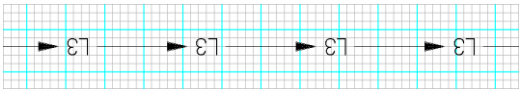
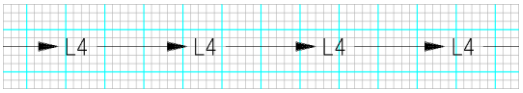
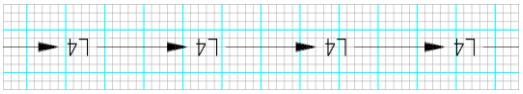
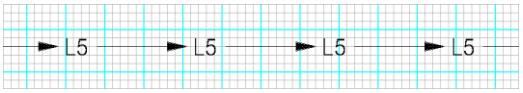
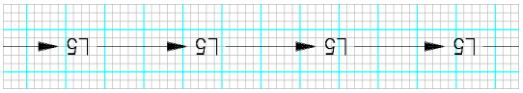
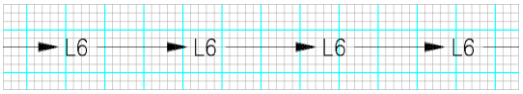
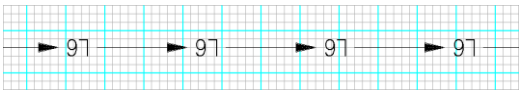
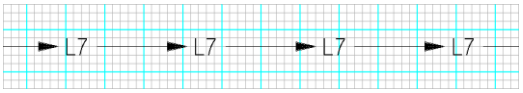
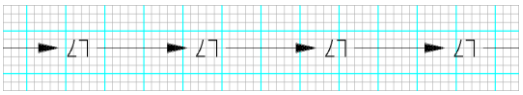
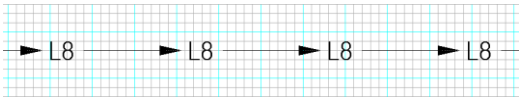
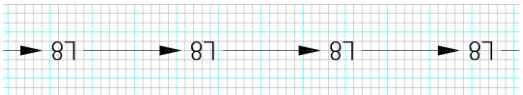
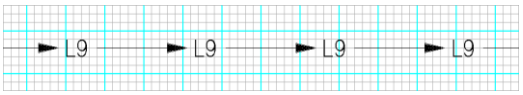
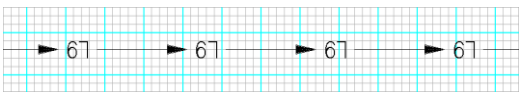
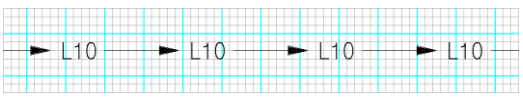
127	L형 측구	H-DICHL03R		L형측구 형식03(반향)	
128		H-DICHL04		L형측구 형식04	
129		H-DICHL04R		L형측구 형식04(반향)	
130		H-DICHL05		L형측구 형식05	
131		H-DICHL05R		L형측구 형식05(반향)	
132		H-DICHL06		L형측구 형식06	
133		H-DICHL06R		L형측구 형식06(반향)	
134		H-DICHL07		L형측구 형식07	
135		H-DICHL07R		L형측구 형식07(반향)	
136		H-DICHL08		L형측구 형식08	
137		H-DICHL08R		L형측구 형식08(반향)	
138		H-DICHL09		L형측구 형식09	
139		H-DICHL09R		L형측구 형식09(반향)	
140		H-DICHL10		L형측구 형식10	

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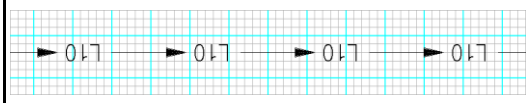
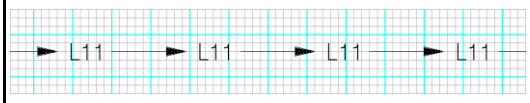
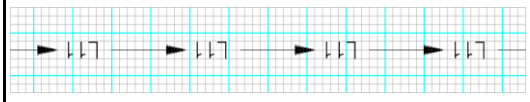
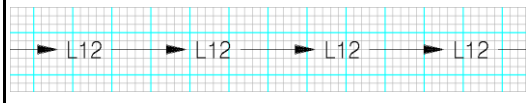
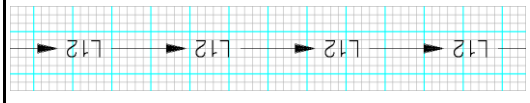
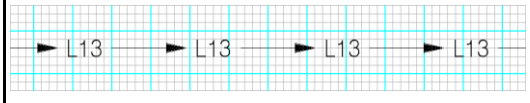
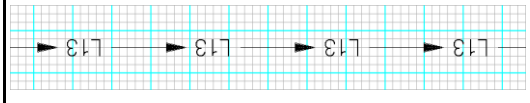
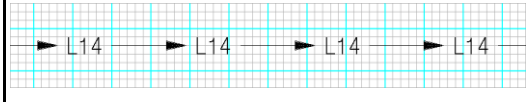
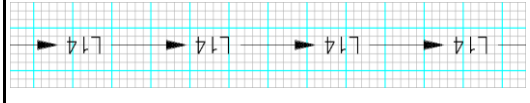
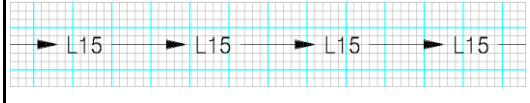
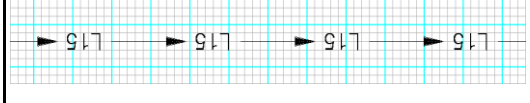
141	L형 측구	H-DICHL10R		L형측구 형식10(반향)	
142		H-DICHL11		L형측구 형식11	
143		H-DICHL11R		L형측구 형식11(반향)	
144		H-DICHL12		L형측구 형식12	
145		H-DICHL12R		L형측구 형식12(반향)	
146		H-DICHL13		L형측구 형식13	
147		H-DICHL13R		L형측구 형식13(반향)	
148		H-DICHL14		L형측구 형식14	
149		H-DICHL14R		L형측구 형식14(반향)	
150		H-DICHL15		L형측구 형식15	
151		H-DICHL15R		L형측구 형식15(반향)	
152	U형 측구	H-DICHU00		U형측구 형식00	
153		H-DICHU00R		U형측구 형식00(반향)	
154		H-DICHU01		U형측구 형식01	

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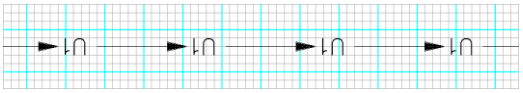
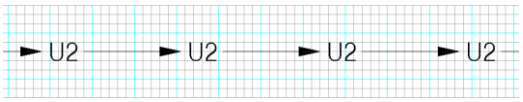
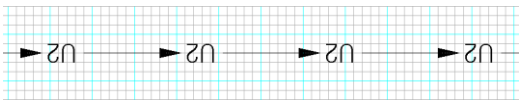
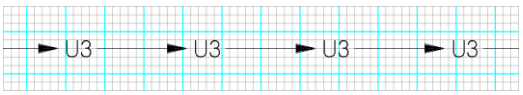
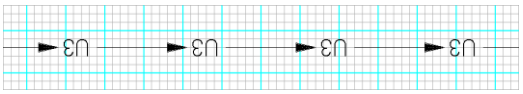
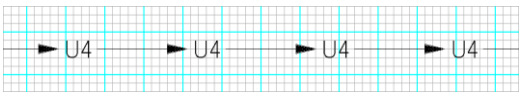
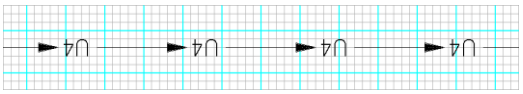
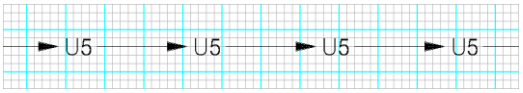
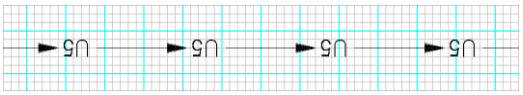
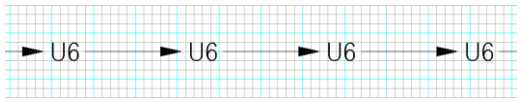
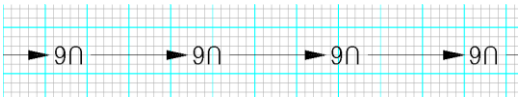
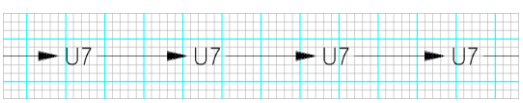
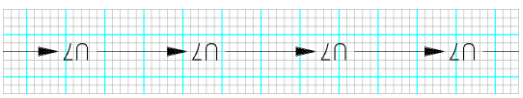
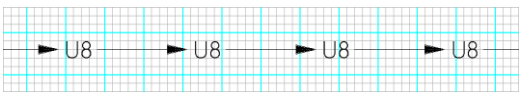
155	U형 측구	H-DICHU01R		U형측구 형식01(반향)	
156		H-DICHU02		U형측구 형식02	
157		H-DICHU02R		U형측구 형식02(반향)	
158		H-DICHU03		U형측구 형식03	
159		H-DICHU03R		U형측구 형식03(반향)	
160		H-DICHU04		U형측구 형식04	
161		H-DICHU04R		U형측구 형식04(반향)	
162		H-DICHU05		U형측구 형식05	
163		H-DICHU05R		U형측구 형식05(반향)	
164		H-DICHU06		U형측구 형식06	
165		H-DICHU06R		U형측구 형식06(반향)	
166		H-DICHU07		U형측구 형식07	
167		H-DICHU07R		U형측구 형식07(반향)	
168		H-DICHU08		U형측구 형식08	

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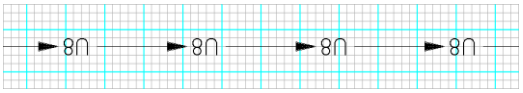
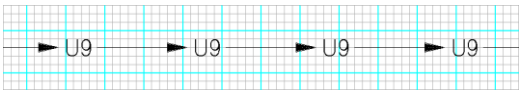
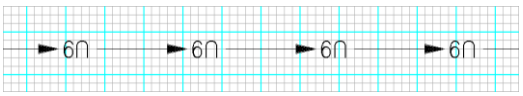
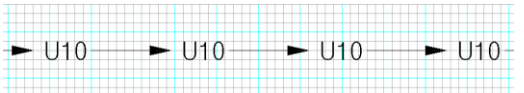
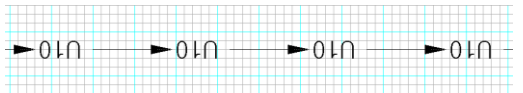
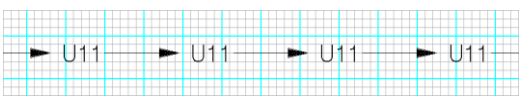
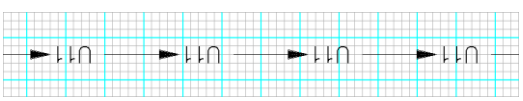
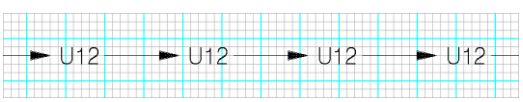
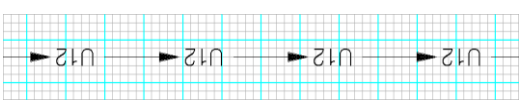
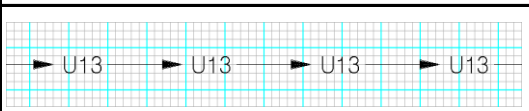
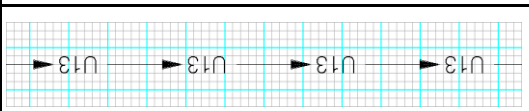
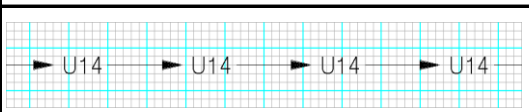
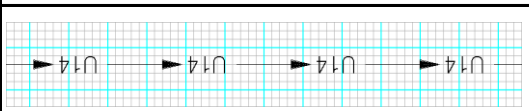
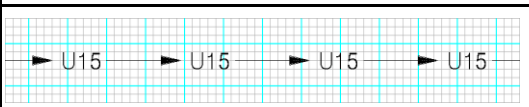
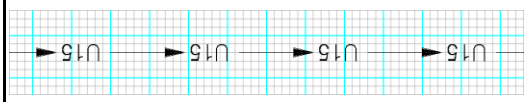
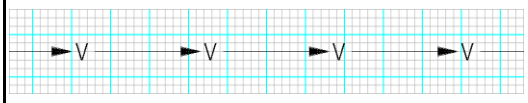
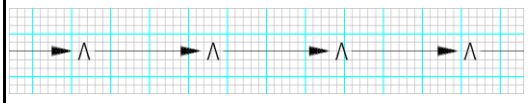
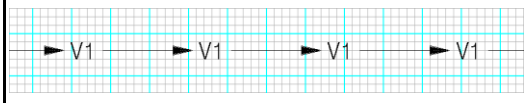
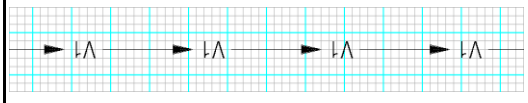
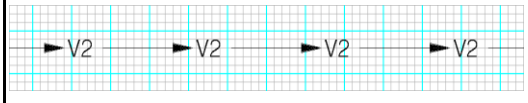
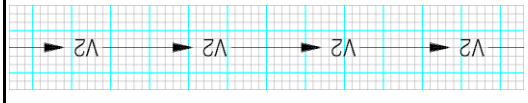
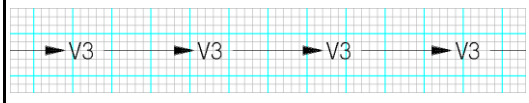
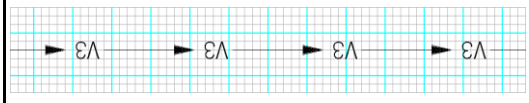
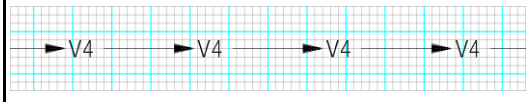
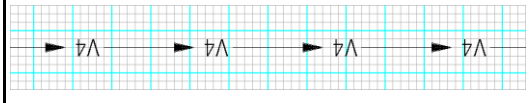
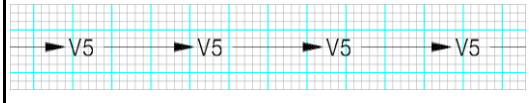
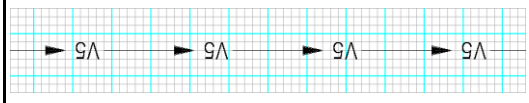
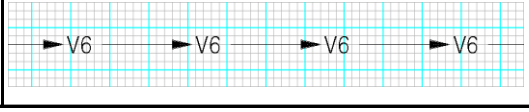
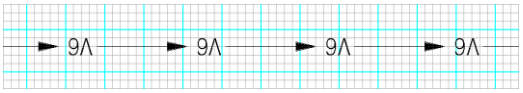
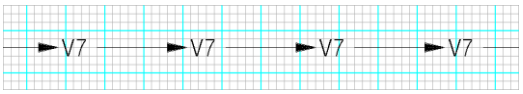
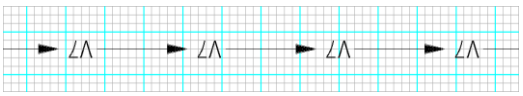
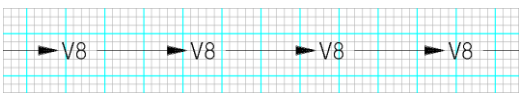
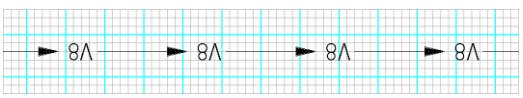
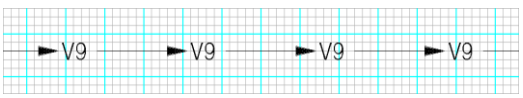
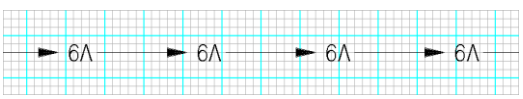
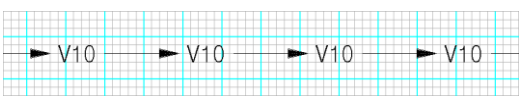
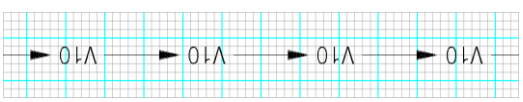
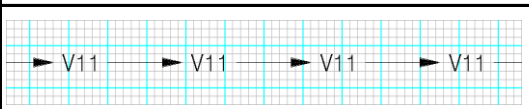
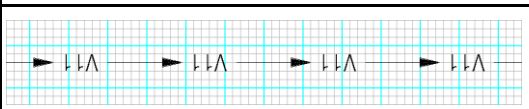
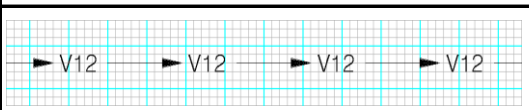
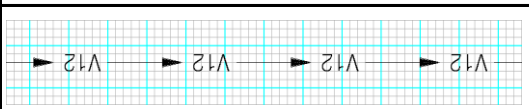
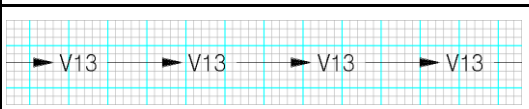
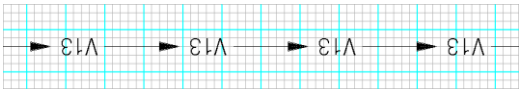
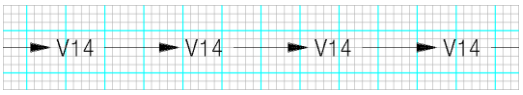
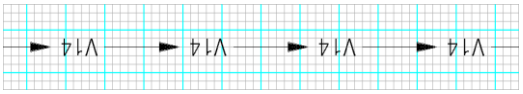
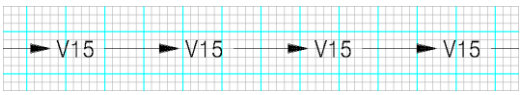
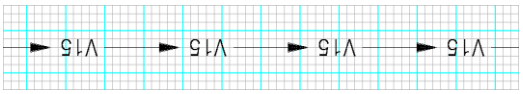
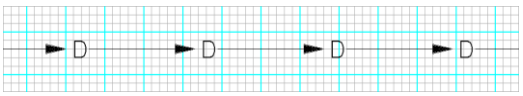
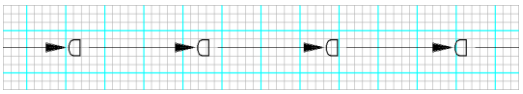
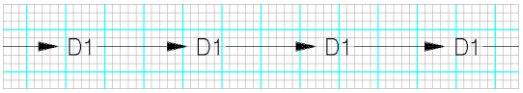
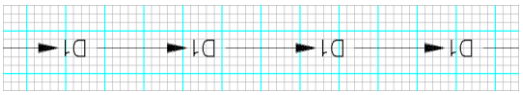
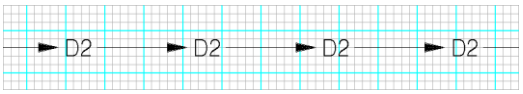
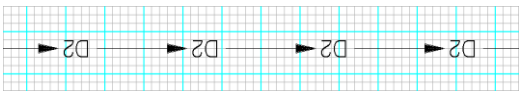
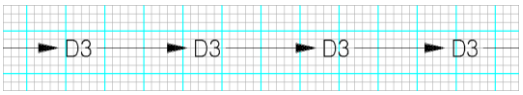
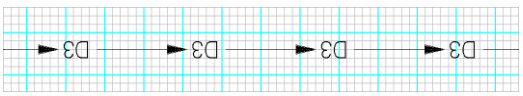
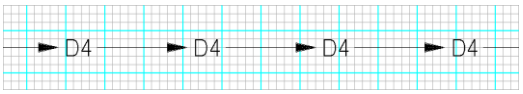
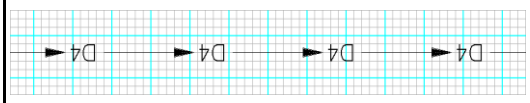
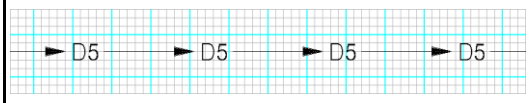
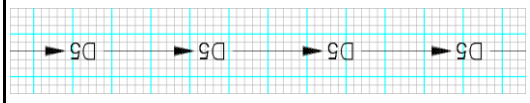
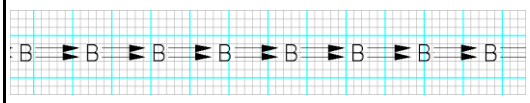
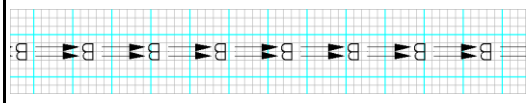
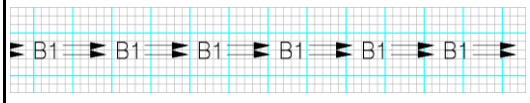
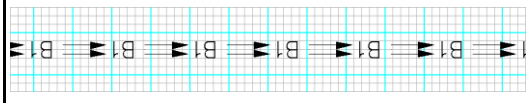
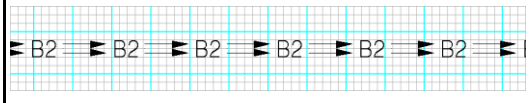
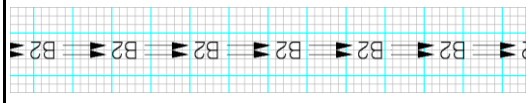
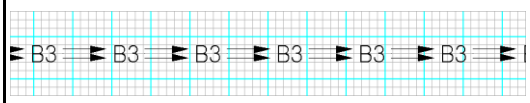
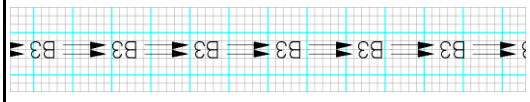
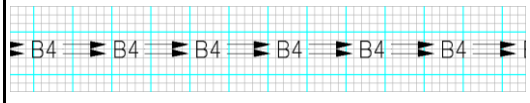
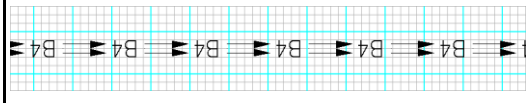
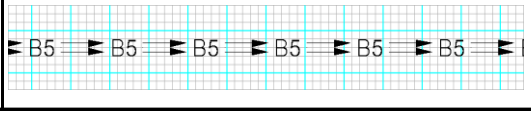
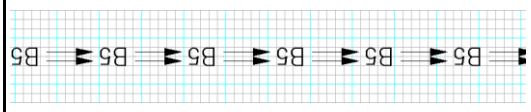
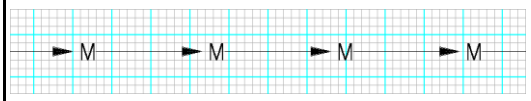
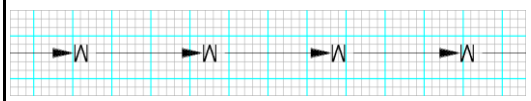
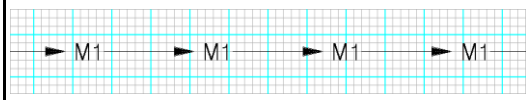
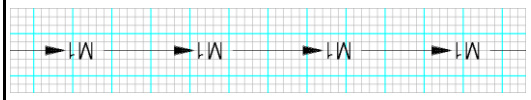
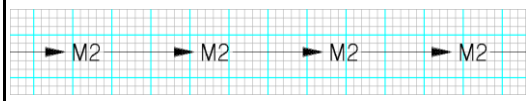
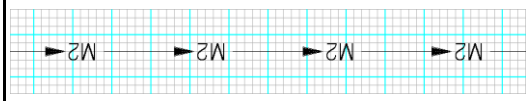
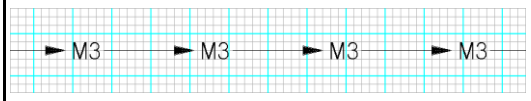
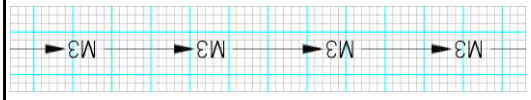
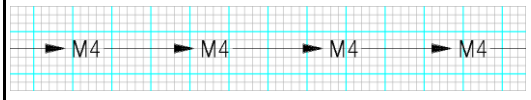
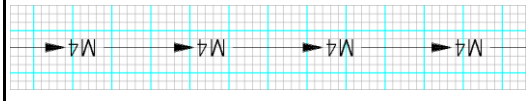
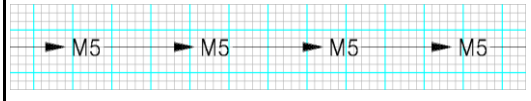
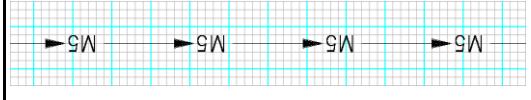
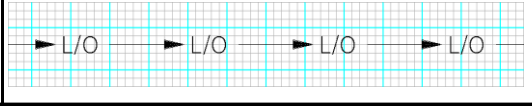
169	U형 측구	H-DICHU08R		U형측구 형식08(반향)	
170		H-DICHU09		U형측구 형식09	
171		H-DICHU09R		U형측구 형식09(반향)	
172		H-DICHU10		U형측구 형식10	
173		H-DICHU10R		U형측구 형식10(반향)	
174		H-DICHU11		U형측구 형식11	
175		H-DICHU11R		U형측구 형식11(반향)	
176		H-DICHU12		U형측구 형식12	
177		H-DICHU12R		U형측구 형식12(반향)	
178		H-DICHU13		U형측구 형식13	
179		H-DICHU13R		U형측구 형식13(반향)	
180		H-DICHU14		U형측구 형식14	
181		H-DICHU14R		U형측구 형식14(반향)	
182		H-DICHU15		U형측구 형식15	

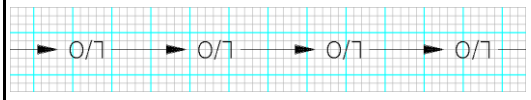
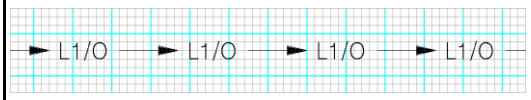
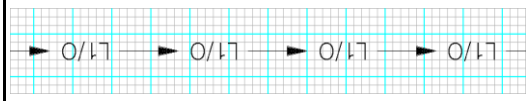
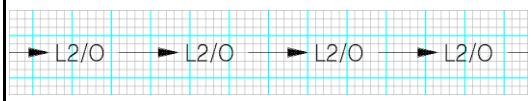
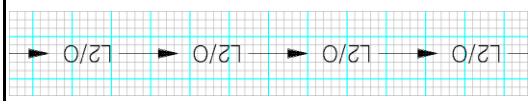
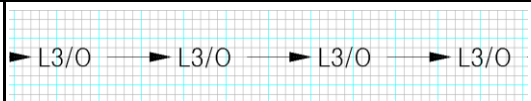
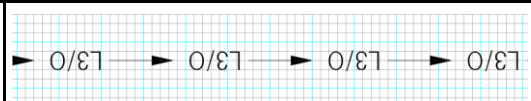
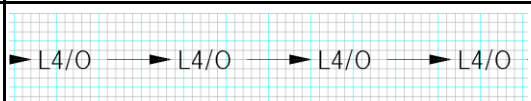
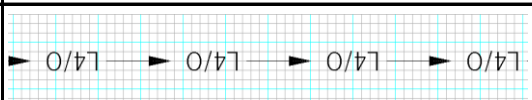
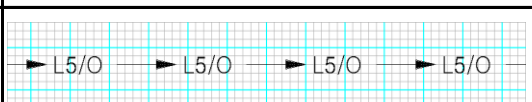
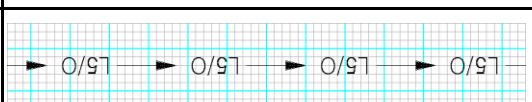
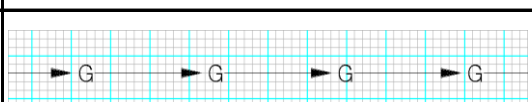
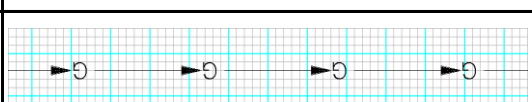
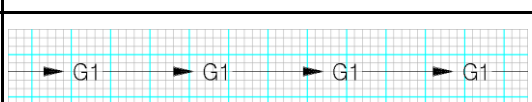
번호	공통분류	선코드	선형상	내 용	비고
183	V형 측구	H-DICHU15R		U형측구 형식15(반향)	
184		H-DICHV00		V형측구 형식00	
185		H-DICHV00R		V형측구 형식00(반향)	
186		H-DICHV01		V형측구 형식01	
187		H-DICHV01R		V형측구 형식01(반향)	
188		H-DICHV02		V형측구 형식02	
189		H-DICHV02R		V형측구 형식02(반향)	
190		H-DICHV03		V형측구 형식03	
191		H-DICHV03R		V형측구 형식03(반향)	
192		H-DICHV04		V형측구 형식04	
193		H-DICHV04R		V형측구 형식04(반향)	
194		H-DICHV05		V형측구 형식05	
195		H-DICHV05R		V형측구 형식05(반향)	
196		H-DICHV06		V형측구 형식06	

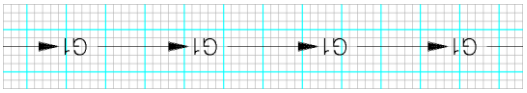
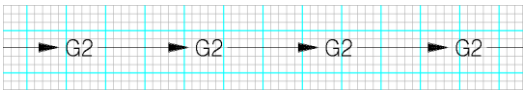
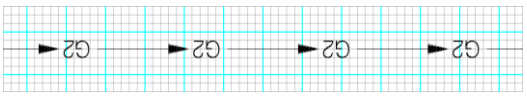
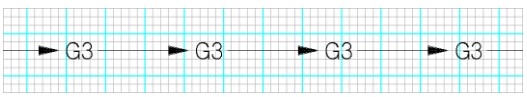
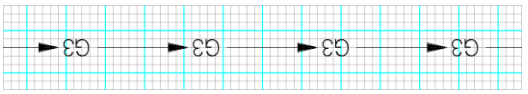
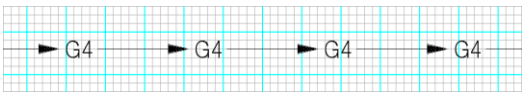
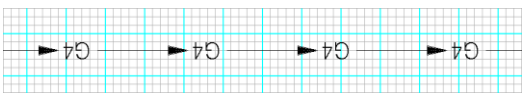
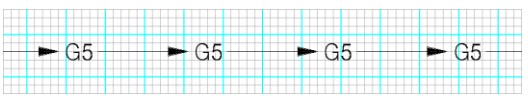
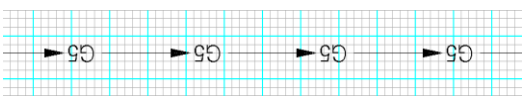
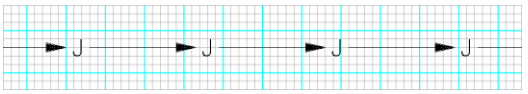
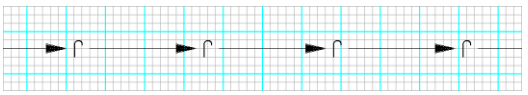
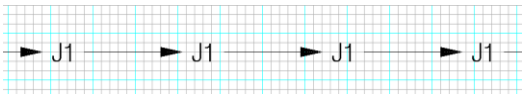
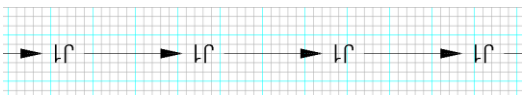
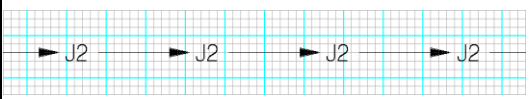
번호	공통분류	선코드	선형상	내 용	비고
197	V형 측구	H-DICHV06R		V형측구 형식06(반향)	
198		H-DICHV07		V형측구 형식07	
199		H-DICHV07R		V형측구 형식07(반향)	
200		H-DICHV08		V형측구 형식08	
201		H-DICHV08R		V형측구 형식08(반향)	
202		H-DICHV09		V형측구 형식09	
203		H-DICHV09R		V형측구 형식09(반향)	
204		H-DICHV10		V형측구 형식10	
205		H-DICHV10R		V형측구 형식10(반향)	
206		H-DICHV11		V형측구 형식11	
207		H-DICHV11R		V형측구 형식11(반향)	
208		H-DICHV12		V형측구 형식12	
209		H-DICHV12R		V형측구 형식12(반향)	
210		H-DICHV13		V형측구 형식13	

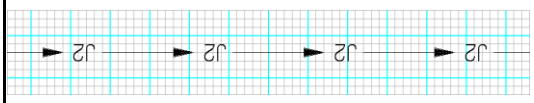
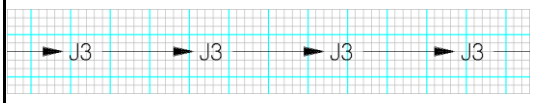
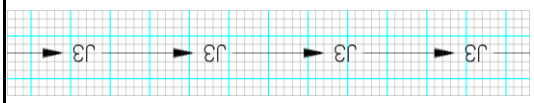
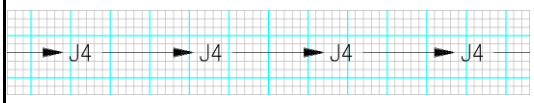
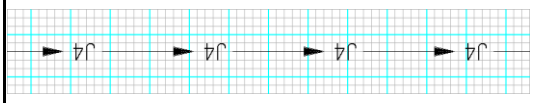
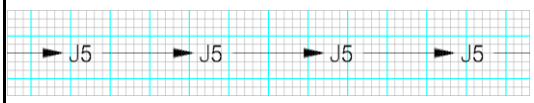
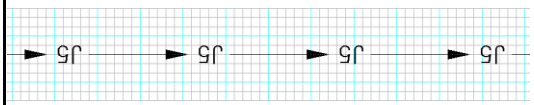
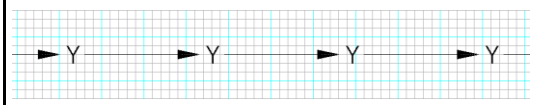
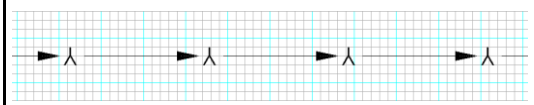
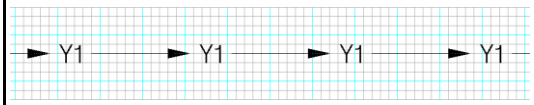
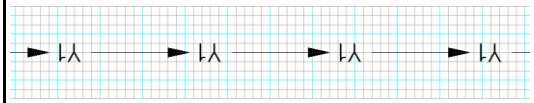
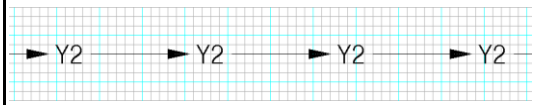
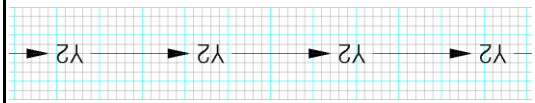
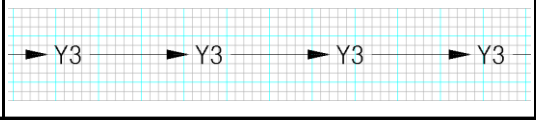
번호	공통분류	선코드	선형상	내 용	비고
211	V형 측구	H-DICHV13R		V형측구 형식13(반향)	
212		H-DICHV14		V형측구 형식14	
213		H-DICHV14R		V형측구 형식14(반향)	
214		H-DICHV15		V형측구 형식15	
215		H-DICHV15R		V형측구 형식15(반향)	
216	다이크	H-DICHD00		다이크 형식00	
217		H-DICHD00R		다이크 형식00(반향)	
218		H-DICHD01		다이크 형식01	
219		H-DICHD01R		다이크 형식01(반향)	
220		H-DICHD02		다이크 형식02	
221		H-DICHD02R		다이크 형식02(반향)	
222		H-DICHD03		다이크 형식03	
223		H-DICHD03R		다이크 형식03(반향)	
224		H-DICHD04		다이크 형식04	

번호	공통분류	선코드	선형상	내 용	비고
225	다이크	H-DICHD04R		다이크 형식04(반향)	
226		H-DICHD05		다이크 형식05	
227		H-DICHD05R		다이크 형식05(반향)	
228	산마루 측구	H-DICH00B		산마루측구 형식00	
229		H-DICHB00R		산마루측구 형식00(반향)	
230		H-DICHB01		산마루측구 형식01	
231		H-DICHB01R		산마루측구 형식01(반향)	
232		H-DICHB02		산마루측구 형식02	
233		H-DICHB02R		산마루측구 형식02(반향)	
234		H-DICHB03		산마루측구 형식03	
235		H-DICHB03R		산마루측구 형식03(반향)	
236		H-DICHB04		산마루측구 형식04	
237		H-DICHB04R		산마루측구 형식04(반향)	
238		H-DICHB05		산마루측구 형식05	

번호	공통분류	선코드	선형상	내 용	비고
239	산마루 측구	H-DICHB05R		산마루측구 형식05(반향)	
240	맹암거	H-DICHM00		맹암거 형식00	
241		H-DICHM00R		맹암거 형식00(반향)	
242		H-DICHM01		맹암거 형식01	
243		H-DICHM01R		맹암거 형식01(반향)	
244		H-DICHM02		맹암거 형식02	
245		H-DICHM02R		맹암거 형식02(반향)	
246		H-DICHM03		맹암거 형식03	
247		H-DICHM03R		맹암거 형식03(반향)	
248		H-DICHM04		맹암거 형식04	
249		H-DICHM04R		맹암거 형식04(반향)	
250		H-DICHM05		맹암거 형식05	
251		H-DICHM05R		맹암거 형식05(반향)	
252	종배수관	H-DICHO00		종배수관 형식00	

번호	공통분류	선코드	선형상	내 용	비고
253	종배수관	H-DICHO00R		종배수관 형식00(반향)	
254		H-DICHO01		종배수관 형식01	
255		H-DICHO01R		종배수관 형식01(반향)	
256		H-DICHO02		종배수관 형식02	
257		H-DICHO02R		종배수관 형식02(반향)	
258		H-DICHO03		종배수관 형식03	
259		H-DICHO03R		종배수관 형식03(반향)	
260		H-DICHO04		종배수관 형식04	
261		H-DICHO04R		종배수관 형식04(반향)	
262		H-DICHO05		종배수관 형식05	
263		H-DICHO05R		종배수관 형식05(반향)	
264	소단 측구	H-DICHG00		소단측구 형식00	
265		H-DICHG00R		소단측구 형식00(반향)	
266		H-DICHG01		소단측구 형식01	

번호	공통분류	선코드	선형상	내 용	비고
267	소단 측구	H-DICHG01R		소단측구 형식01(반향)	
268		H-DICHG02		소단측구 형식02	
269		H-DICHG02R		소단측구 형식02(반향)	
270		H-DICHG03		소단측구 형식03	
271		H-DICHG03R		소단측구 형식03(반향)	
272		H-DICHG04		소단측구 형식04	
273		H-DICHG04R		소단측구 형식04(반향)	
274		H-DICHG05		소단측구 형식05	
275		H-DICHG05R		소단측구 형식05(반향)	
276	J형 측구	H-DICHJ00		J형측구 형식00	
277		H-DICHJ00R		J형측구 형식00(반향)	
278		H-DICHJ01		J형측구 형식01	
279		H-DICHJ01R		J형측구 형식01(반향)	
280		H-DICHJ02		J형측구 형식02	

번호	공통분류	선코드	선형상	내 용	비고
281	J형 측구	H-DICHJ02R		J형측구 형식02(반향)	
282		H-DICHJ03		J형측구 형식03	
283		H-DICHJ03R		J형측구 형식03(반향)	
284		H-DICHJ04		J형측구 형식04	
285		H-DICHJ04R		J형측구 형식04(반향)	
286		H-DICHJ05		J형측구 형식05	
287		H-DICHJ05R		J형측구 형식05(반향)	
288	용수로	H-CANAL00		용수로 형식00	
289		H-CANAL00R		용수로 형식00(반향)	
290		H-CANAL01		용수로 형식01	
291		H-CANAL01R		용수로 형식01(반향)	
292		H-CANAL02		용수로 형식02	
293		H-CANAL02R		용수로 형식02(반향)	
294		H-CANAL03		용수로 형식03	

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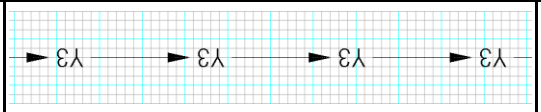
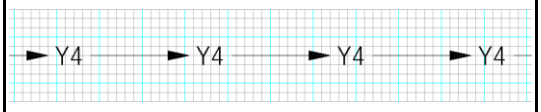
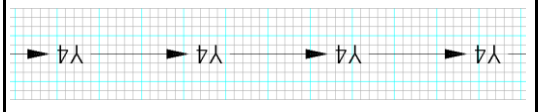
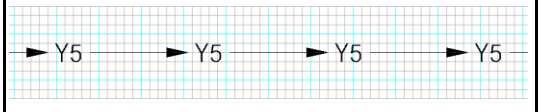
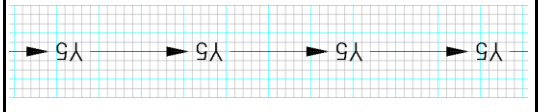
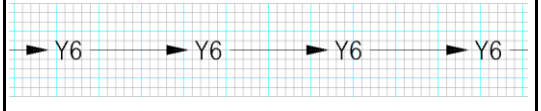
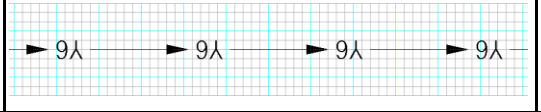
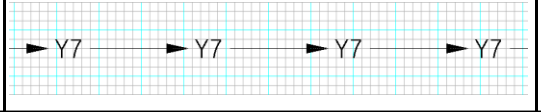
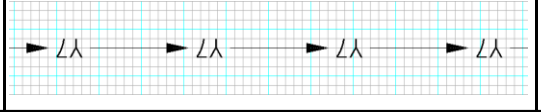
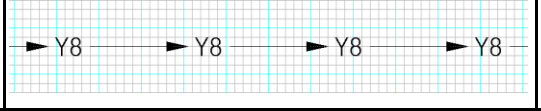
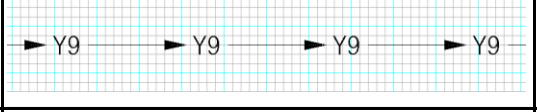
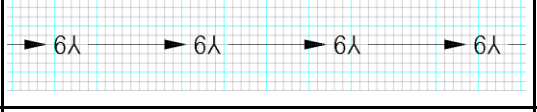
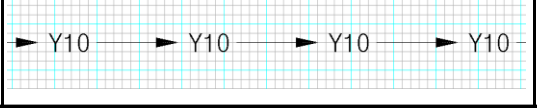
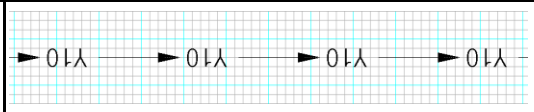
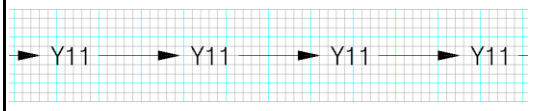
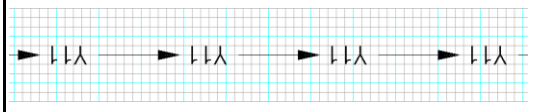
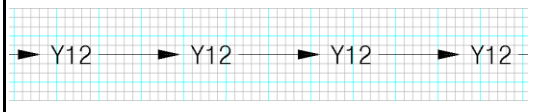
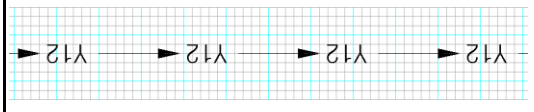
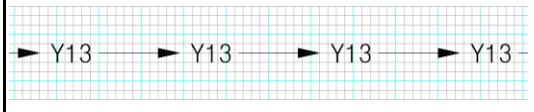
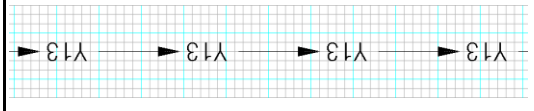
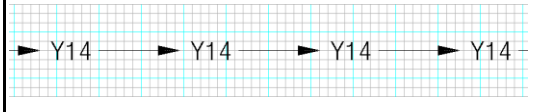
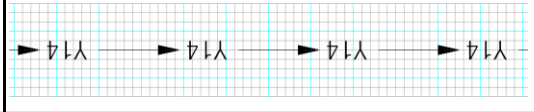
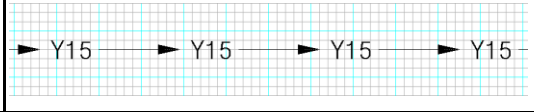
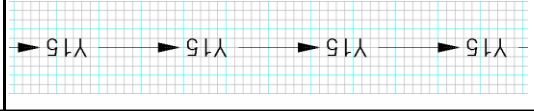
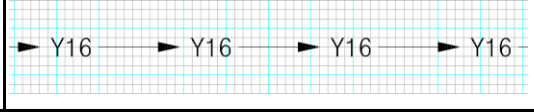
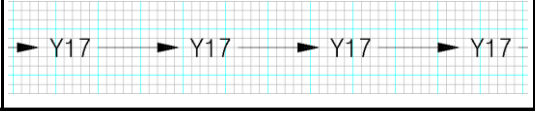
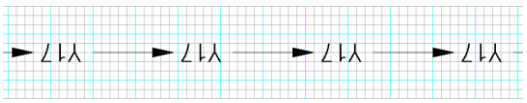
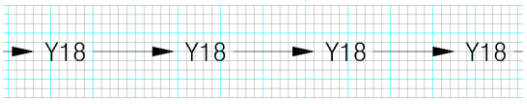
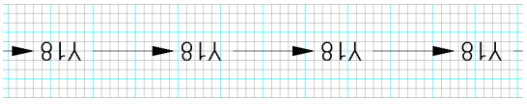
295	용수로	H-CANAL03R		용수로 형식03(반향)	
296		H-CANAL04		용수로 형식04	
297		H-CANAL04R		용수로 형식04(반향)	
298		H-CANAL05		용수로 형식05	
299		H-CANAL05R		용수로 형식05(반향)	
300		H-CANAL06		용수로 형식06	
301		H-CANAL06R		용수로 형식06(반향)	
302		H-CANAL07		용수로 형식07	
303		H-CANAL07R		용수로 형식07(반향)	
304		H-CANAL08		용수로 형식08	
305		H-CANAL08R		용수로 형식08(반향)	
306		H-CANAL09		용수로 형식09	
307		H-CANAL09R		용수로 형식09(반향)	
308		H-CANAL10		용수로 형식10	

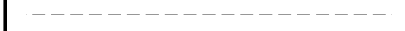
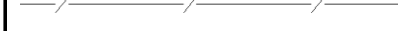
번호	공통분류	선코드	선형상	내 용	비고
309	용수로	H-CANAL10R		용수로 형식10(반향)	
310		H-CANAL11		용수로 형식11	
311		H-CANAL11R		용수로 형식11(반향)	
312		H-CANAL12		용수로 형식12	
313		H-CANAL12R		용수로 형식12(반향)	
314		H-CANAL13		용수로 형식13	
315		H-CANAL13R		용수로 형식13(반향)	
316		H-CANAL14		용수로 형식14	
317		H-CANAL14R		용수로 형식14(반향)	
318		H-CANAL15		용수로 형식15	
319		H-CANAL15R		용수로 형식15(반향)	
320		H-CANAL16		용수로 형식16	
321		H-CANAL16R		용수로 형식16(반향)	
322		H-CANAL17		용수로 형식17	

번호	공통분류	선코드	선형상	내 용	비고
323	용수로	H-CANAL17R		용수로 형식17(반향)	
324		H-CANAL18		용수로 형식18	
325		H-CANAL18R		용수로 형식18(반향)	

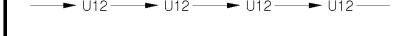
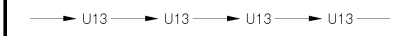
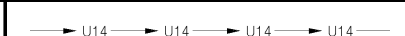
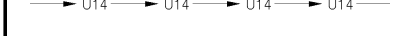
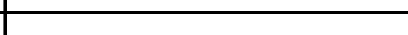
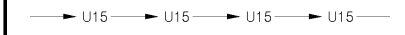
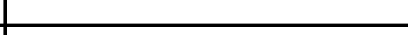
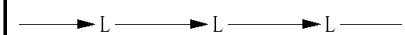
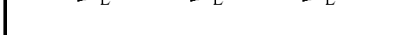
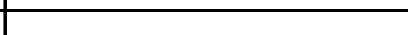
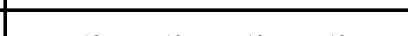
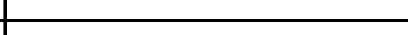
2. 토목분야 선 목록

토목분야선목록

번호	공종분류	공통분류	선코드	선형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01 (CONTINUOUS)	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	
010			A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		외곽선	A-BORDR01		외곽선(일반)	
017			A-BORDR01H		외곽선(반배수)	
018			A-BORDR01X		외곽선(배수)	
019		중심선	A-CENTR01		중심선(일반)	
020			A-CENTR01H		중심선(반배수)	
021			A-CENTR01X		중심선(배수)	
022		파단점선	A-DASDT01		파단점선(일반)	
023			A-DASDT01H		파단점선(반배수)	
024			A-DASDT01X		파단점선(배수)	

번호	공종분류	공통분류	선코드	선형상	내 용	비고
025	공통	파선	A-DASHD01		파선(일반)	
026			A-DASHD01H		파선(반배수)	
027			A-DASHD01X		파선(배수)	
028		분할선	A-DIVID01		분할선(일반)	
029			A-DIVID01H		분할선(반배수)	
030			A-DIVID01X		분할선(배수)	
031		점선	A-DOTLN01		점선(일반)	
032			A-DOTLN01H		점선(반배수)	
033			A-DOTLN01X		점선(배수)	
034		숨은선(은선)	A-HIDDN01		숨은선(일반)	
035			A-HIDDN01H		숨은선(반배수)	
036			A-HIDDN01X		숨은선(배수)	
037		가상선	A-PHATM01		가상선(일반)	
038			A-PHATM01H		가상선(반배수)	
039			A-PHATM01X		가상선(배수)	
040	일반(Z)	절단선	E-CUTLN01		절단선	
041	측량 및 지질(V)	적용대상없음				
042	기하구조(A)	적용대상없음				
043	토공(E)	적용대상없음				
044	토목시설(F)	경계	E-FENCE01		휀스	
045			E-UTIL06		휀스2	
046			D-BWALL02		담장	
047		옹벽	A-ISONS04		콘크리트옹벽	
048			D-SWALL01		석축	
049			D-BWALL02		보강토 옹벽	
050	우배수공(D)	V형측구	H-DICHV00		V형측구	

번호	공종분류	공통분류	선코드	선형상	내 용	비고
051	우배수공(D)	V형측구	H-DICHV01	V1 V1 V1 V1	V형측구(1)	
052			H-DICHV02	V2 V2 V2 V2	V형측구(2)	
053			H-DICHV03	V3 V3 V3 V3	V형측구(3)	
054			H-DICHV04	V4 V4 V4 V4	V형측구(4)	
055			H-DICHV05	V5 V5 V5 V5	V형측구(5)	
056			H-DICHV06	V6 V6 V6 V6	V형측구(6)	
057			H-DICHV07	V7 V7 V7 V7	V형측구(7)	
058			H-DICHV08	V8 V8 V8 V8	V형측구(8)	
059			H-DICHV09	V9 V9 V9 V9	V형측구(9)	
060			H-DICHV10	V10 V10 V10 V10	V형측구(10)	
061			H-DICHV11	V11 V11 V11 V11	V형측구(11)	
062			H-DICHV12	V12 V12 V12 V12	V형측구(12)	
063			H-DICHV13	V13 V13 V13 V13	V형측구(13)	
064			H-DICHV14	V14 V14 V14 V14	V형측구(14)	
065			H-DICHV15	V15 V15 V15 V15	V형측구(15)	
066		U형측구	H-DICHU00	U U U	U형측구	
067			H-DICHU01	U1 U1 U1 U1	U형측구(1)	
068			H-DICHU02	U2 U2 U2 U2	U형측구(2)	
069			H-DICHU03	U3 U3 U3 U3	U형측구(3)	
070			H-DICHU04	U4 U4 U4 U4	U형측구(4)	
071			H-DICHU05	U5 U5 U5 U5	U형측구(5)	
072			H-DICHU06	U6 U6 U6 U6	U형측구(6)	
073			H-DICHU07	U7 U7 U7 U7	U형측구(7)	
074			H-DICHU08	U8 U8 U8 U8	U형측구(8)	
075			H-DICHU09	U9 U9 U9 U9	U형측구(9)	
076			H-DICHU10	U10 U10 U10 U10	U형측구(10)	

번호	공종분류	공통분류	선코드	선형상	내 용	비고
077	우배수공(D)	U형측구	H-DICHU11		U형측구(11)	
078			H-DICHU12		U형측구(12)	
079			H-DICHU13		U형측구(13)	
080			H-DICHU14		U형측구(14)	
081			H-DICHU15		U형측구(15)	
082		L형측구	H-DICHL00		L형측구	
083			H-DICHL01		L형측구(1)	
084			H-DICHL02		L형측구(2)	
085			H-DICHL03		L형측구(3)	
086			H-DICHL04		L형측구(4)	
087			H-DICHL05		L형측구(5)	
088			H-DICHL06		L형측구(6)	
089			H-DICHL07		L형측구(7)	
090			H-DICHL08		L형측구(8)	
091			H-DICHL09		L형측구(9)	
092			H-DICHL10		L형측구(10)	
093			H-DICHL11		L형측구(11)	
094			H-DICHL12		L형측구(12)	
095			H-DICHL13		L형측구(13)	
096			H-DICHL14		L형측구(14)	
097			H-DICHL15		L형측구(15)	
098		산마루측구	H-DICHB00		산마루측구	
099			H-DICHB01		산마루측구(1)	
100			H-DICHB02		산마루측구(2)	
101			H-DICHB03		산마루측구(3)	
102			H-DICHB04		산마루측구(4)	

번호	공종분류	공통분류	선코드	선형상	내 용	비고
103	우배수공(D)	산마루측구	H-DICHB05	B5 B5 B5 B5 B5 B5 B5	산마루측구(5)	
104		종배수관	H-DICHO00	L/O L/O L/O	종배수관	
105			H-DICHO01	L1/O L1/O L1/O L1/O	종배수관(1)	
106			H-DICHO02	L2/O L2/O L2/O L2/O	종배수관(2)	
107			H-DICHO03	L3/O L3/O L3/O L3/O	종배수관(3)	
108			H-DICHO04	L4/O L4/O L4/O L4/O	종배수관(4)	
109			H-DICHO05	L5/O L5/O L5/O L5/O	종배수관(5)	
110		맹암거	H-DICHM00	M M M	맹암거	
111			H-DICHM01	M1 M1 M1 M1	맹암거(1)	
112			H-DICHM02	M2 M2 M2 M2	맹암거(2)	
113			H-DICHM03	M3 M3 M3 M3	맹암거(3)	
114			H-DICHM04	M4 M4 M4 M4	맹암거(4)	
115			H-DICHM05	M5 M5 M5 M5	맹암거(5)	
116		다이크	H-DICHD00	D D D	다이크	
117			H-DICHD01	D1 D1 D1 D1	다이크(1)	
118			H-DICHD02	D2 D2 D2 D2	다이크(2)	
119			H-DICHD03	D3 D3 D3 D3	다이크(3)	
120			H-DICHD04	D4 D4 D4 D4	다이크(4)	
121			H-DICHD05	D5 D5 D5 D5	다이크(5)	
122		용수로	H-CANAL00	Y Y Y	용수개거	
123			H-CANAL01	Y1 Y1 Y1 Y1	용수개거(1)	
124			H-CANAL02	Y2 Y2 Y2 Y2	용수개거(2)	
125			H-CANAL03	Y3 Y3 Y3 Y3	용수개거(3)	
126			H-CANAL04	Y4 Y4 Y4 Y4	용수개거(4)	
127			H-CANAL05	Y5 Y5 Y5 Y5	용수개거(5)	
128			H-CANAL06	Y6 Y6 Y6 Y6	용수개거(6)	

번호	공종분류	공통분류	선코드	선형상	내 용	비고
129	우배수공(D)	용수로	H-CANAL07		용수개거(7)	
130			H-CANAL08		용수개거(8)	
131			H-CANAL09		용수개거(9)	
132			H-CANAL10		용수개거(10)	
133			H-CANAL11		용수개거(11)	
134			H-CANAL12		용수개거(12)	
135			H-CANAL13		용수개거(13)	
136			H-CANAL14		용수개거(14)	
137			H-CANAL15		용수개거(15)	
138			H-CANAL16		용수개거(16)	
139			H-CANAL17		용수개거(17)	
140			H-CANAL18		용수개거(18)	
141		토사측구	H-DICHT00		토사측구	
142		배수관	E-UTIL02		유공관	
143			E-UTIL03		파형강관	
144	상하수도공(W)	오수관로	E-SEWER01		오수관	
145	구조물공(S)	굴착선	E-DIGLN01		굴착선	
146	포장공(P)	적용대상없음				
147	부대공(M)	교통안전시설	E-FACLN05		가드레일	
148			C-ZIGZG01		가드휀스	
149			E-FACLN02		낙석방지울타리	
150			E-TOPOG03		차광망	
151			A-ISONS10		방호벽	
152		기타시설	B-ZIGZG02		방음벽	
153	용지공(L)	행정경계	E-BOUND01		도특별광역시계	
154	종단면도(R)	적용대상없음				

토목분야선목록

번호	공종분류	공통분류	선코드	선형상	내 용	비고
155	횡단면도(C)	굴착선	E-DIGLN01		굴착선	
156	기타(X)	적용대상없음				

3. 건축분야 선 목록

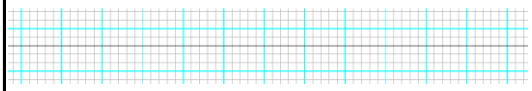
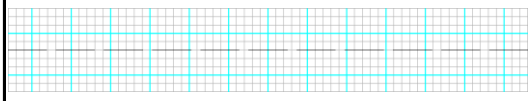
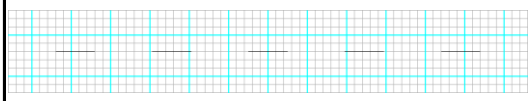
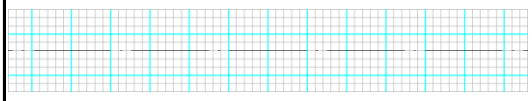
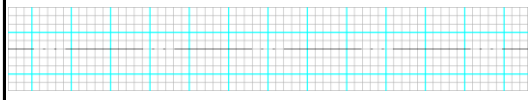
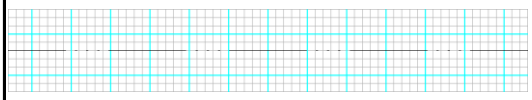
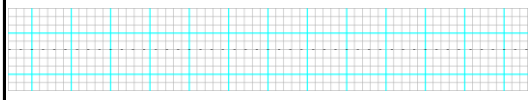
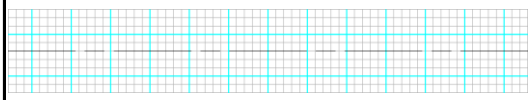
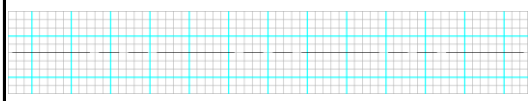
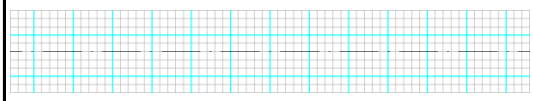
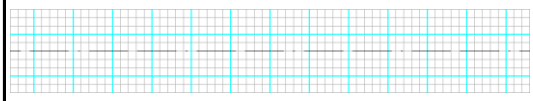
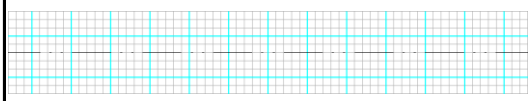
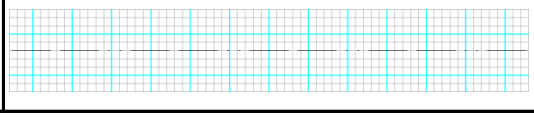
건축분야선목록

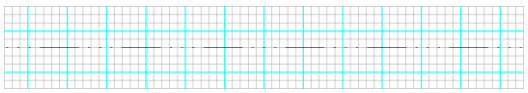
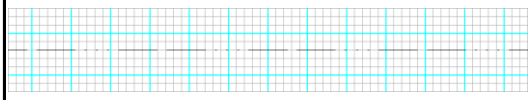
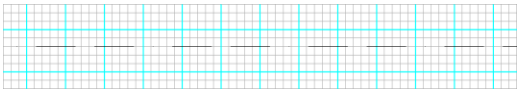
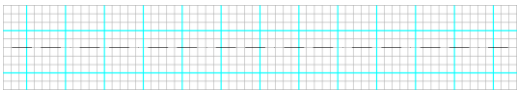
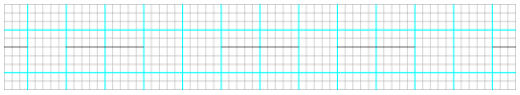
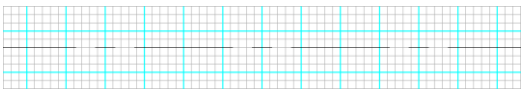
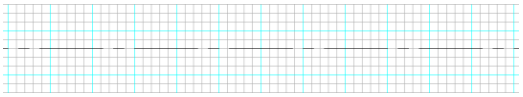
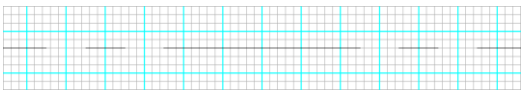
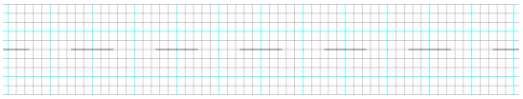
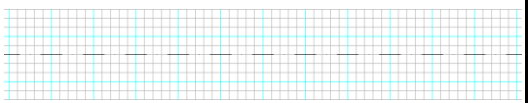
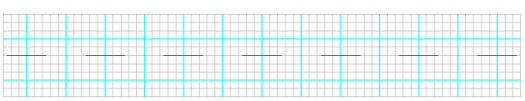
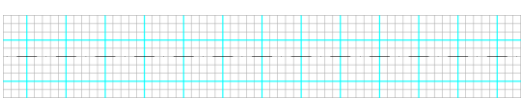
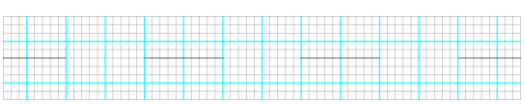
번호	공종분류	공통분류	선코드	선형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01 (CONTINUOUS)	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	
010			A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		외곽선	A-BORDR01		외곽선(일반)	
017			A-BORDR01H		외곽선(반배수)	
018			A-BORDR01X		외곽선(배수)	
019		중심선	A-CENTR01		중심선(일반)	
020			A-CENTR01H		중심선(반배수)	
021			A-CENTR01X		중심선(배수)	
022		파단점선	A-DASDT01		파단점선(일반)	
023			A-DASDT01H		파단점선(반배수)	
024			A-DASDT01X		파단점선(배수)	

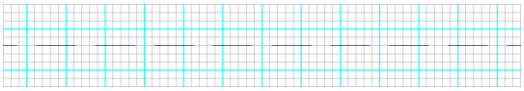
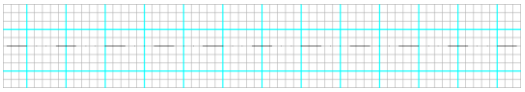
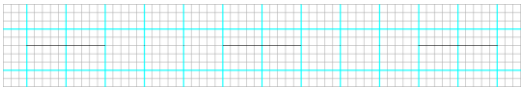
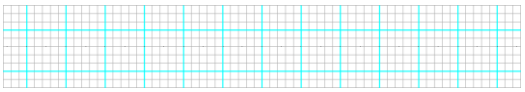
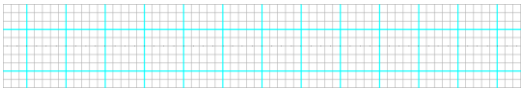
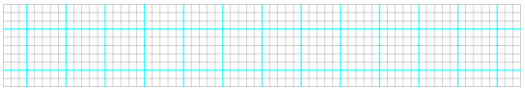
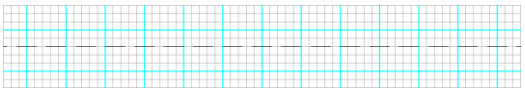
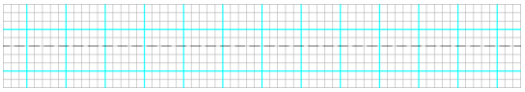
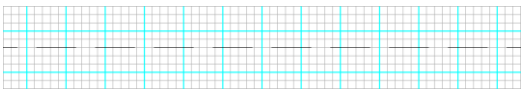
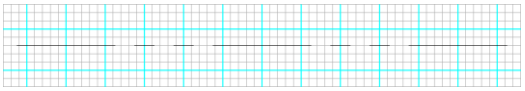
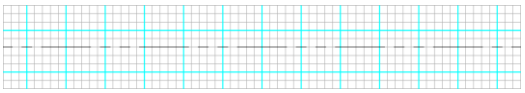
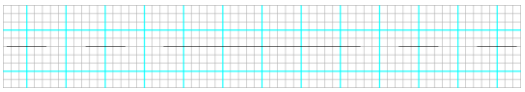
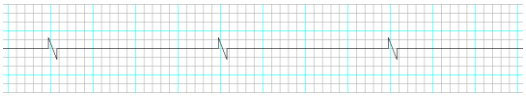
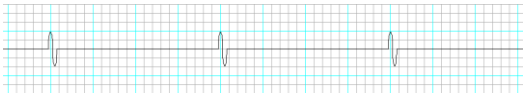
번호	공종분류	공통분류	선코드	선형상	내 용	비고
025	공통	파선	A-DASHD01		파선(일반)	
026			A-DASHD01H		파선(반배수)	
027			A-DASHD01X		파선(배수)	
028		분할선	A-DIVID01		분할선(일반)	
029			A-DIVID01H		분할선(반배수)	
030			A-DIVID01X		분할선(배수)	
031		점선	A-DOTLN01		점선(일반)	
032			A-DOTLN01H		점선(반배수)	
033			A-DOTLN01X		점선(배수)	
034		숨은선(은선)	A-HIDDN01		숨은선(일반)	
035			A-HIDDN01H		숨은선(반배수)	
036			A-HIDDN01X		숨은선(배수)	
037		가상선	A-PHATM01		가상선(일반)	
038			A-PHATM01H		가상선(반배수)	
039			A-PHATM01X		가상선(배수)	

4. 기계설비분야 선 목록

기계설비분야선목록

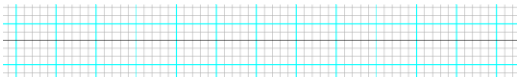
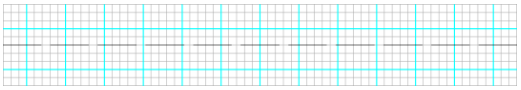
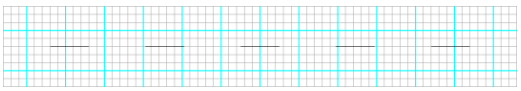
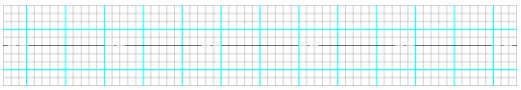
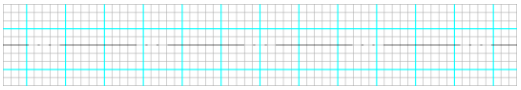
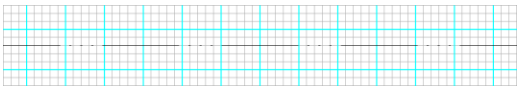
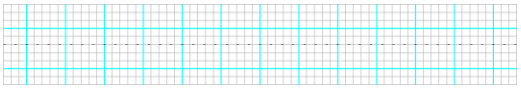
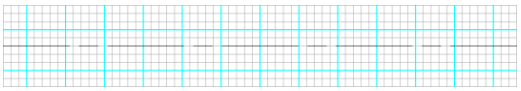
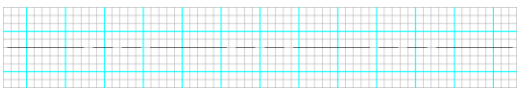
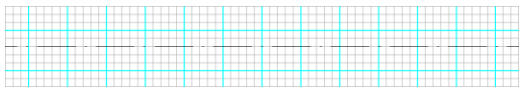
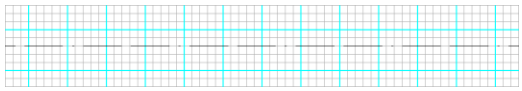
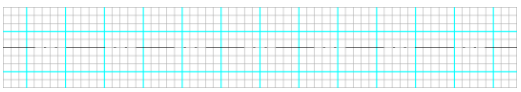
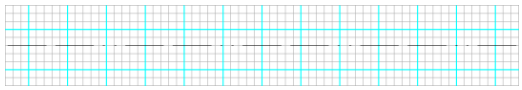
번호	공종분류	공통분류	선코드	선형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01 (CONTINUOUS)		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	
010			A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	

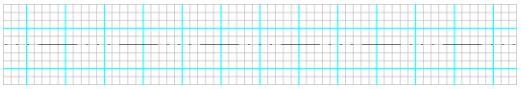
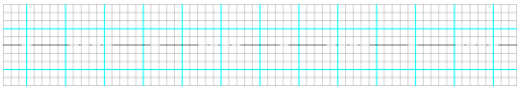
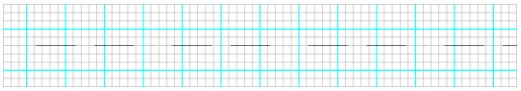
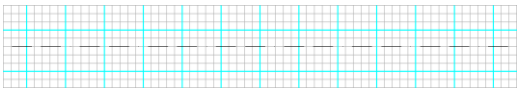
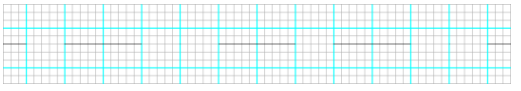
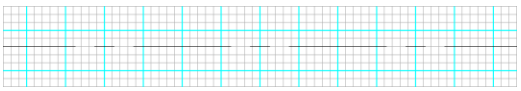
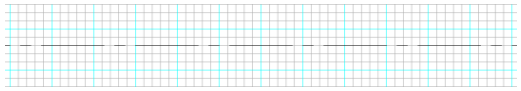
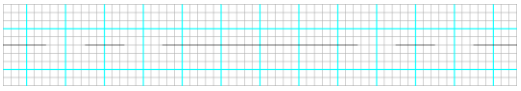
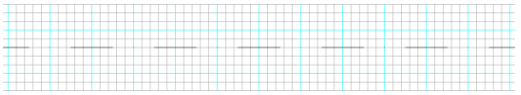
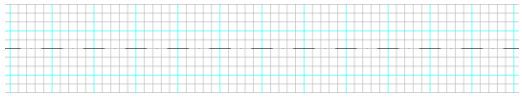
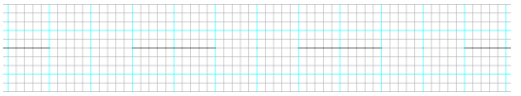
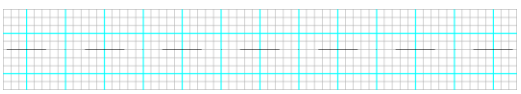
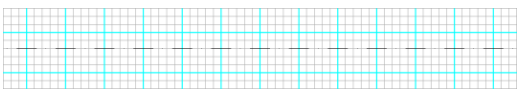
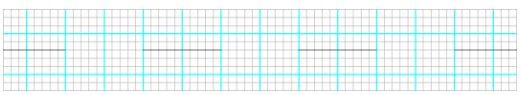
번호	공종분류	공통분류	선코드	선형상	내 용	비고
014	공통	ISO 국제규격	A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		외곽선	A-BORDR01		외곽선(일반)	
017			A-BORDR01H		외곽선(반배수)	
018			A-BORDR01X		외곽선(배수)	
019		중심선	A-CENTR01		중심선(일반)	
020			A-CENTR01H		중심선(반배수)	
021			A-CENTR01X		중심선(배수)	
022		파단점선	A-DASDT01		파단점선(일반)	
023			A-DASDT01H		파단점선(반배수)	
024			A-DASDT01X		파단점선(배수)	
025		파선	A-DASHD01		파선(일반)	
026			A-DASHD01H		파선(반배수)	
027			A-DASHD01X		파선(배수)	

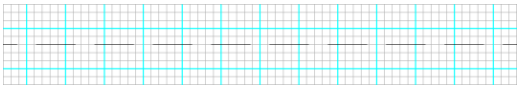
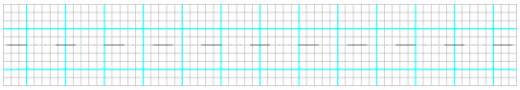
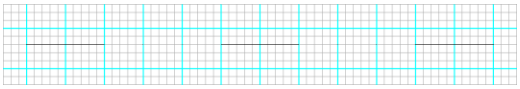
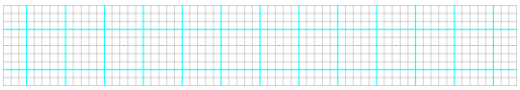
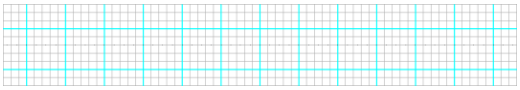
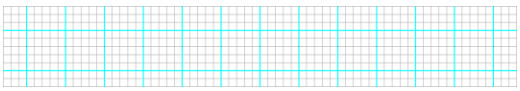
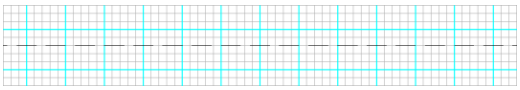
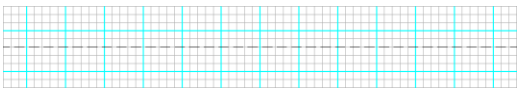
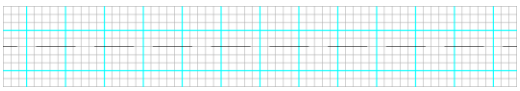
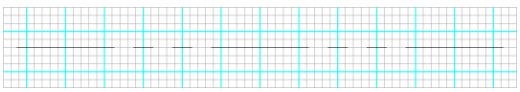
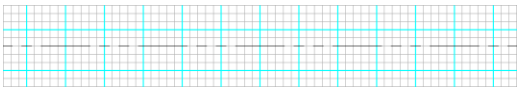
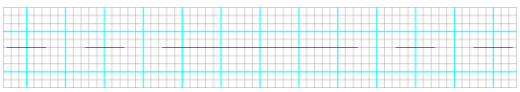
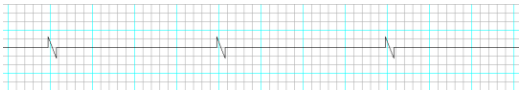
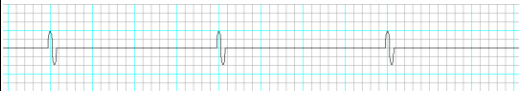
번호	공종분류	공통분류	선코드	선형상	내 용	비고
028	공통	분할선	A-DIVID01		분할선(일반)	
029			A-DIVID01H		분할선(반배수)	
030			A-DIVID01X		분할선(배수)	
031		점선	A-DOTLN01		점선(일반)	
032			A-DOTLN01H		점선(반배수)	
033			A-DOTLN01X		점선(배수)	
034		숨은선(은선)	A-HIDDN01		숨은선(일반)	
035			A-HIDDN01H		숨은선(반배수)	
036			A-HIDDN01X		숨은선(배수)	
037		가상선	A-PHATM01		가상선(일반)	
038			A-PHATM01H		가상선(반배수)	
039			A-PHATM01X		가상선(배수)	
040		절단선	E-CUTLN01		절단선(선)	
041			E-CUTLN02		절단선(호)	

5. 전기설비분야 선 목록

전기설비분야선목록

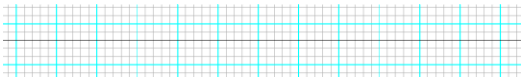
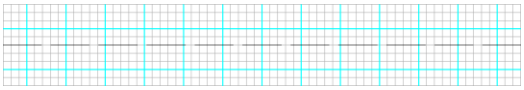
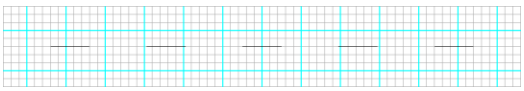
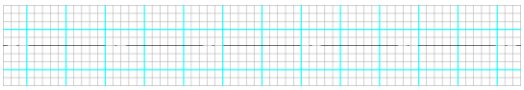
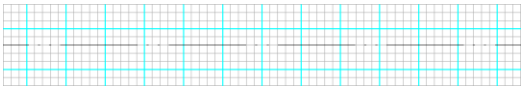
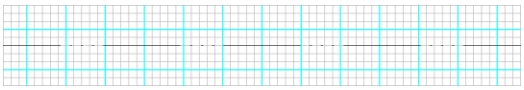
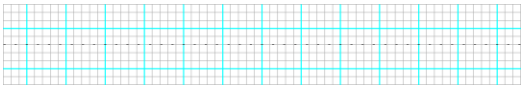
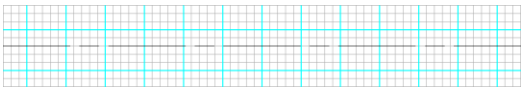
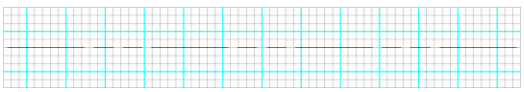
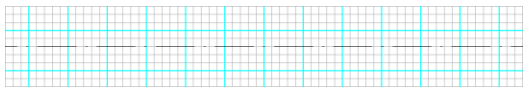
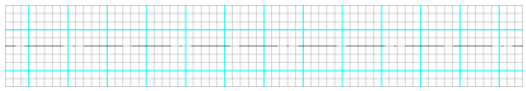
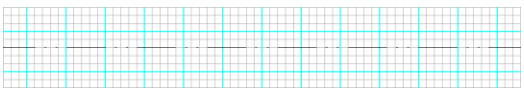
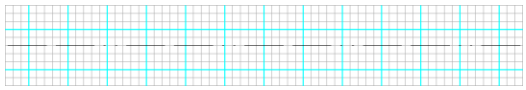
번호	공종분류	공통분류	선코드	선형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01 (CONTINUOUS)		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	
010			A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	

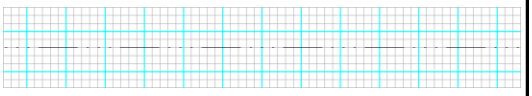
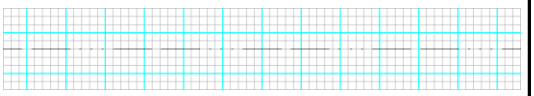
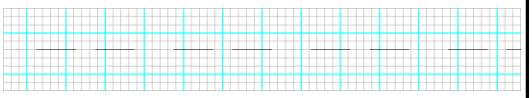
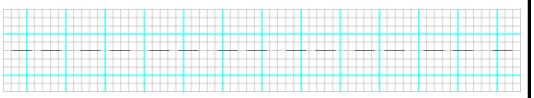
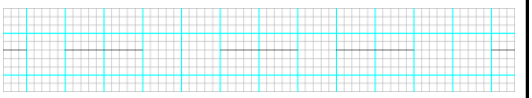
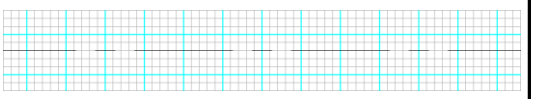
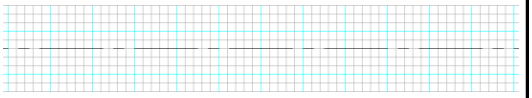
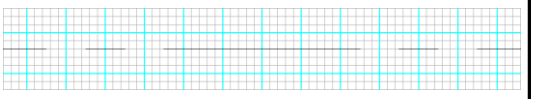
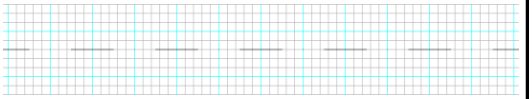
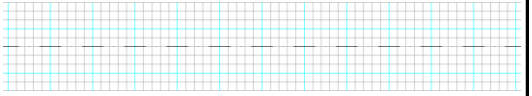
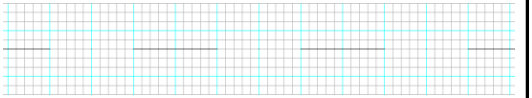
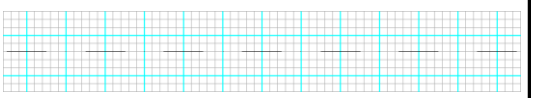
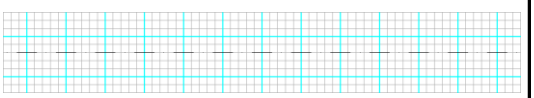
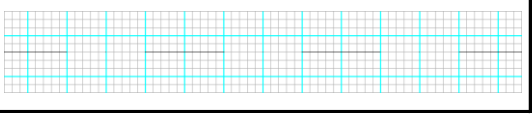
번호	공종분류	공통분류	선코드	선형상	내 용	비고
014	공통	ISO 국제규격	A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		외곽선	A-BORDR01		외곽선(일반)	
017			A-BORDR01H		외곽선(반배수)	
018			A-BORDR01X		외곽선(배수)	
019		중심선	A-CENTR01		중심선(일반)	
020			A-CENTR01H		중심선(반배수)	
021			A-CENTR01X		중심선(배수)	
022		파단점선	A-DASDT01		파단점선(일반)	
023			A-DASDT01H		파단점선(반배수)	
024			A-DASDT01X		파단점선(배수)	
025		파선	A-DASHD01		파선(일반)	
026			A-DASHD01H		파선(반배수)	
027			A-DASHD01X		파선(배수)	

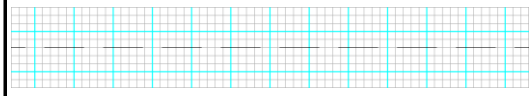
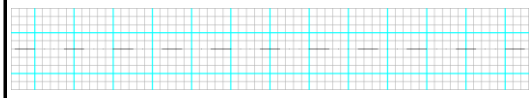
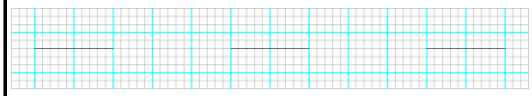
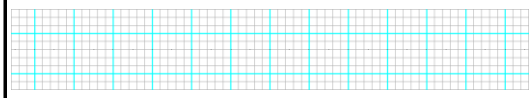
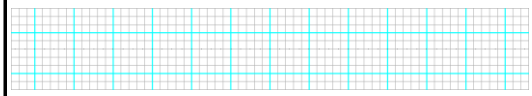
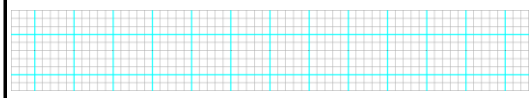
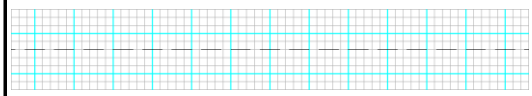
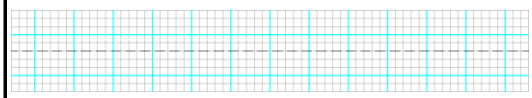
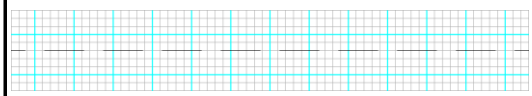
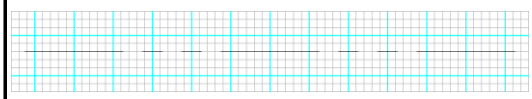
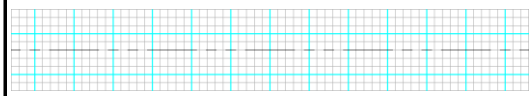
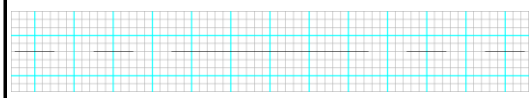
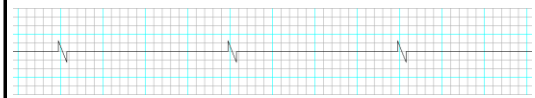
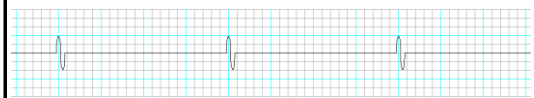
번호	공종분류	공통분류	선코드	선형상	내 용	비고
028	공통	분할선	A-DIVID01		분할선(일반)	
029			A-DIVID01H		분할선(반배수)	
030			A-DIVID01X		분할선(배수)	
031		점선	A-DOTLN01		점선(일반)	
032			A-DOTLN01H		점선(반배수)	
033			A-DOTLN01X		점선(배수)	
034		숨은선(은선)	A-HIDDN01		숨은선(일반)	
035			A-HIDDN01H		숨은선(반배수)	
036			A-HIDDN01X		숨은선(배수)	
037		가상선	A-PHATM01		가상선(일반)	
038			A-PHATM01H		가상선(반배수)	
039			A-PHATM01X		가상선(배수)	
040		절단선	E-CUTLN01		절단선(선)	
041			E-CUTLN02		절단선(호)	

6. 통신설비분야 선 목록

통신설비분야선목록

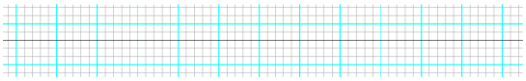
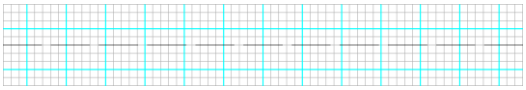
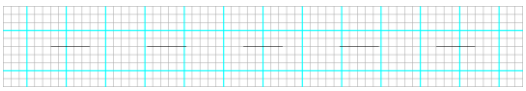
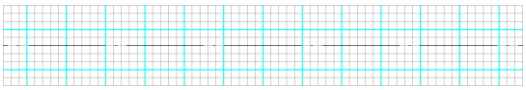
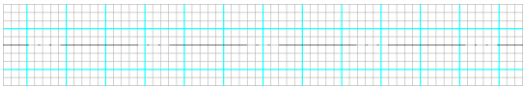
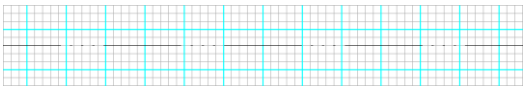
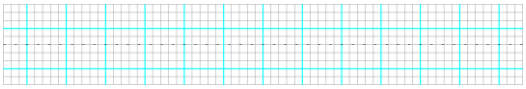
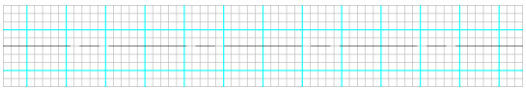
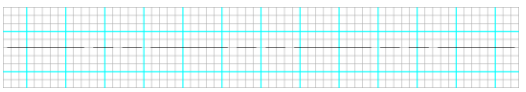
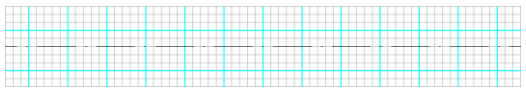
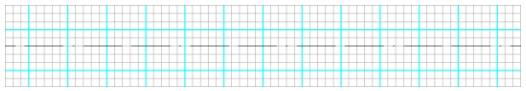
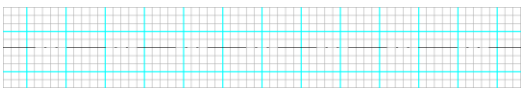
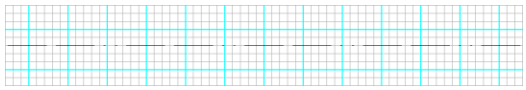
번호	공종분류	공통분류	선코드	선형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01 (CONTINUOUS)		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	
010			A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	

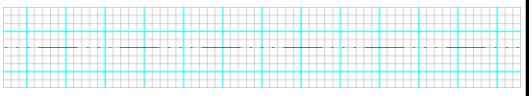
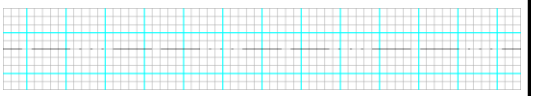
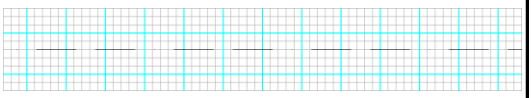
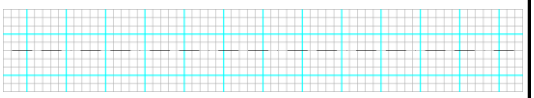
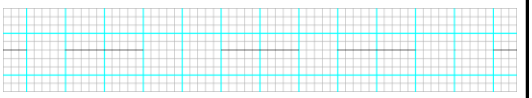
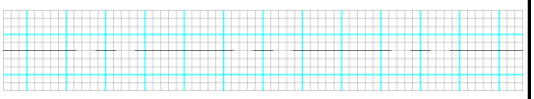
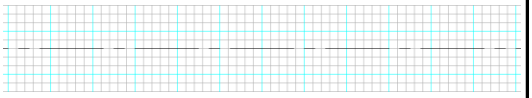
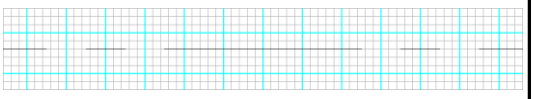
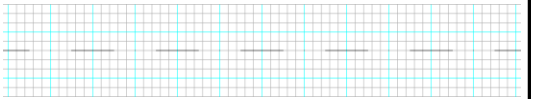
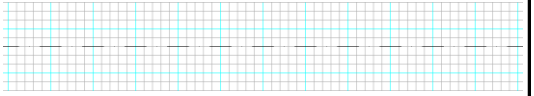
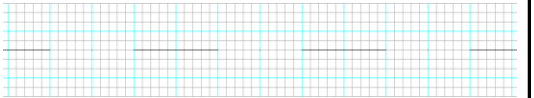
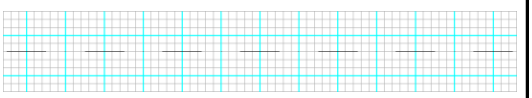
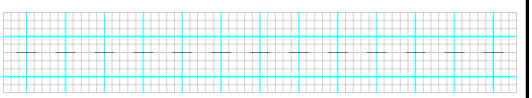
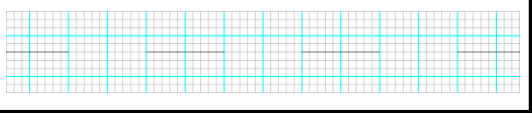
번호	공종분류	공통분류	선코드	선형상	내 용	비고
014	공통	ISO 국제규격	A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		외곽선	A-BORDR01		외곽선(일반)	
017			A-BORDR01H		외곽선(반배수)	
018			A-BORDR01X		외곽선(배수)	
019		중심선	A-CENTR01		중심선(일반)	
020			A-CENTR01H		중심선(반배수)	
021			A-CENTR01X		중심선(배수)	
022		파단점선	A-DASDT01		파단점선(일반)	
023			A-DASDT01H		파단점선(반배수)	
024			A-DASDT01X		파단점선(배수)	
025		파선	A-DASHD01		파선(일반)	
026			A-DASHD01H		파선(반배수)	
027			A-DASHD01X		파선(배수)	

번호	공종분류	공통분류	선코드	선형상	내 용	비고
028	공통	분할선	A-DIVID01		분할선(일반)	
029			A-DIVID01H		분할선(반배수)	
030			A-DIVID01X		분할선(배수)	
031		점선	A-DOTLN01		점선(일반)	
032			A-DOTLN01H		점선(반배수)	
033			A-DOTLN01X		점선(배수)	
034		숨은선(은선)	A-HIDDN01		숨은선(일반)	
035			A-HIDDN01H		숨은선(반배수)	
036			A-HIDDN01X		숨은선(배수)	
037		가상선	A-PHATM01		가상선(일반)	
038			A-PHATM01H		가상선(반배수)	
039			A-PHATM01X		가상선(배수)	
040		절단선	E-CUTLN01		절단선(선)	
041			E-CUTLN02		절단선(호)	

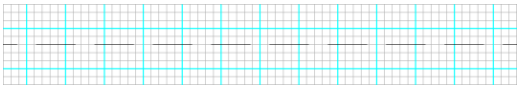
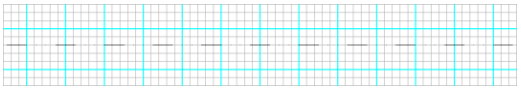
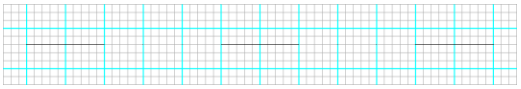
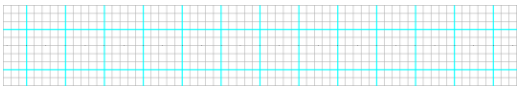
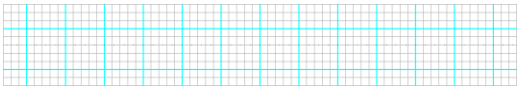
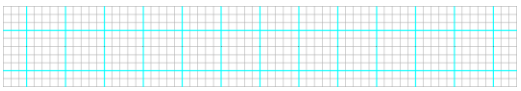
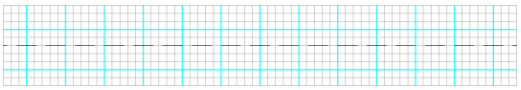
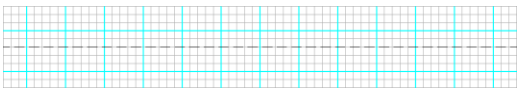
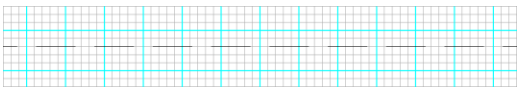
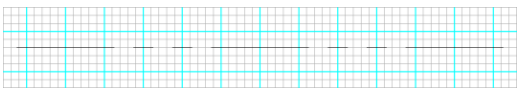
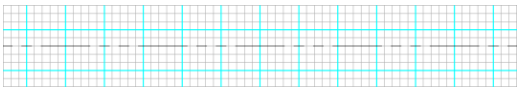
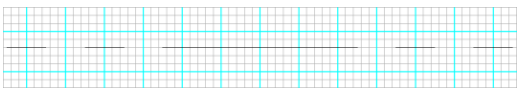
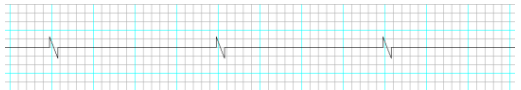
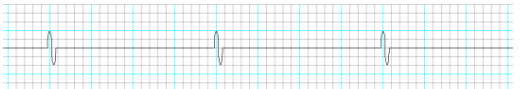
7. 조경분야 선 목록

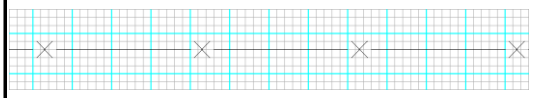
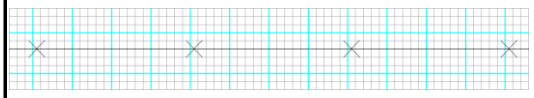
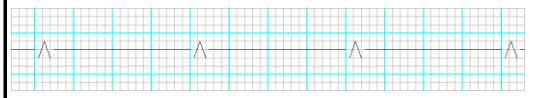
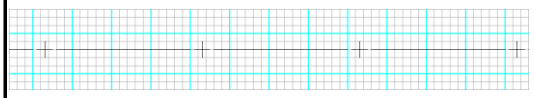
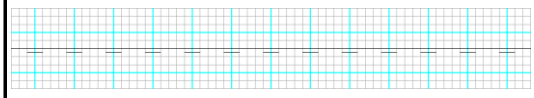
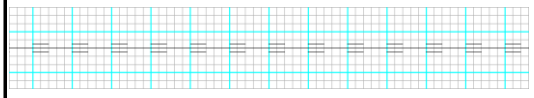
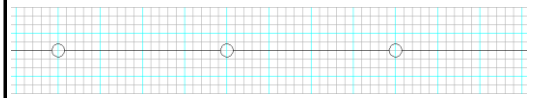
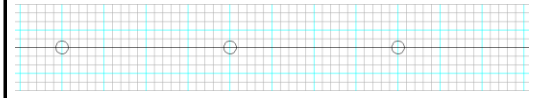
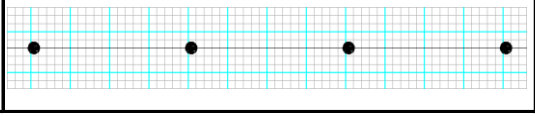
조경분야선목록

번호	공종분류	공통분류	선코드	선형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01 (CONTINUOUS)		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	
010			A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	

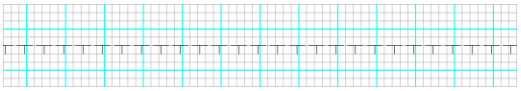
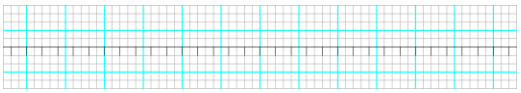
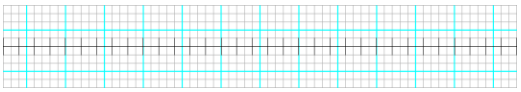
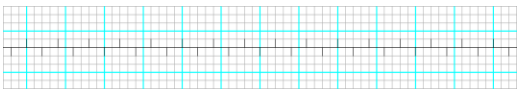
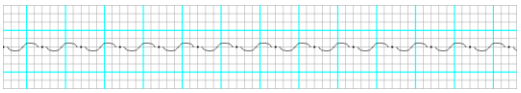
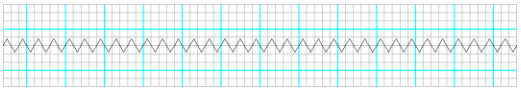
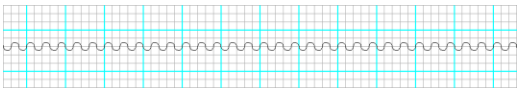
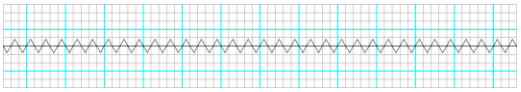
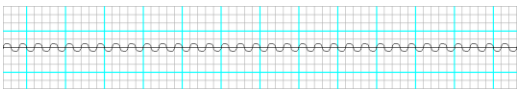
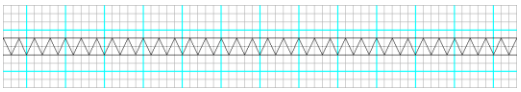
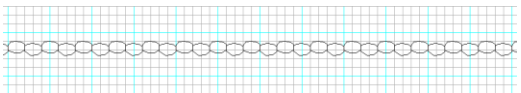
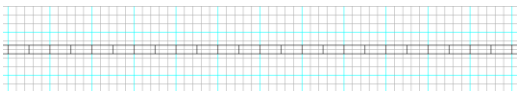
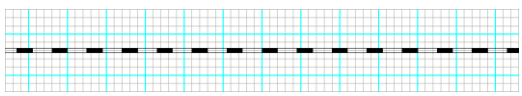
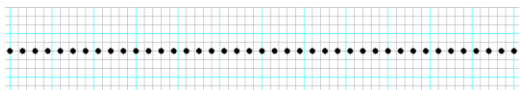
번호	공종분류	공통분류	선코드	선형상	내 용	비고
014	공통	ISO 국제규격	A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		외곽선	A-BORDR01		외곽선(일반)	
017			A-BORDR01H		외곽선(반배수)	
018			A-BORDR01X		외곽선(배수)	
019		중심선	A-CENTR01		중심선(일반)	
020			A-CENTR01H		중심선(반배수)	
021			A-CENTR01X		중심선(배수)	
022		파단점선	A-DASDT01		파단점선(일반)	
023			A-DASDT01H		파단점선(반배수)	
024			A-DASDT01X		파단점선(배수)	
025		파선	A-DASHD01		파선(일반)	
026			A-DASHD01H		파선(반배수)	
027			A-DASHD01X		파선(배수)	

조경분야선목록

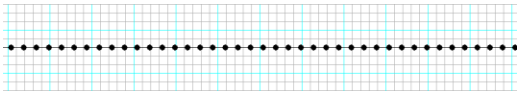
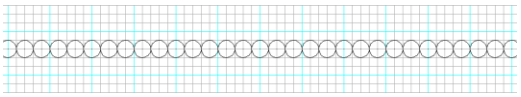
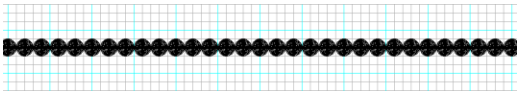
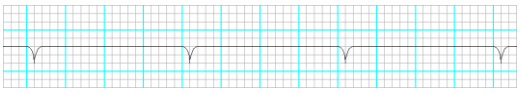
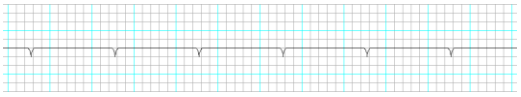
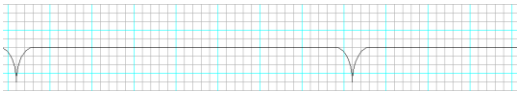
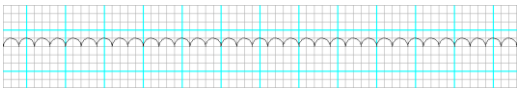
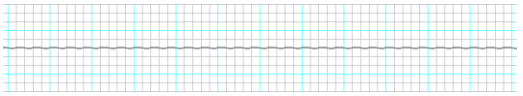
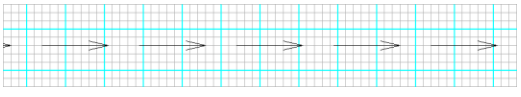
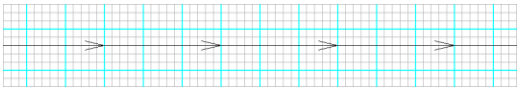
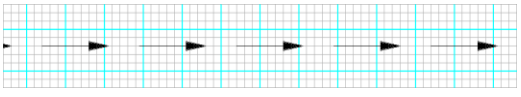
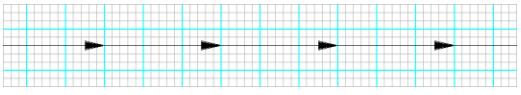
번호	공종분류	공통분류	선코드	선형상	내 용	비고
028	공통	분할선	A-DIVID01		분할선(일반)	
029			A-DIVID01H		분할선(반배수)	
030			A-DIVID01X		분할선(배수)	
031		점선	A-DOTLN01		점선(일반)	
032			A-DOTLN01H		점선(반배수)	
033			A-DOTLN01X		점선(배수)	
034		숨은선(은선)	A-HIDDN01		숨은선(일반)	
035			A-HIDDN01H		숨은선(반배수)	
036			A-HIDDN01X		숨은선(배수)	
037		가상선	A-PHATM01		가상선(일반)	
038			A-PHATM01H		가상선(반배수)	
039			A-PHATM01X		가상선(배수)	
040		절단선	E-CUTLN01		절단선(선)	
041			E-CUTLN02		절단선(호)	

번호	공종분류	공통분류	선코드	선형상	내 용	비고
042	공통	펜스	E-FENCE01		펜스(X 파선)	
043			E-FENCE02		펜스(X 실선)	
044			E-FENCE03		펜스(/\ 파선)	
045			E-FENCE04		펜스(+ 파선)	
046			E-FENCE05		펜스(ㅁ 실선)	
047			E-FENCE06		펜스(ㅇ 실선)	
048			E-FENCE07		펜스(◎ 실선)	
049			E-FENCE08		펜스(사각-X 실선)	
050			E-FENCE09		펜스(사각-X2 실선)	
051		시설공통	E-FACLN01		시설(- 평행선)	
052			E-FACLN02		시설(= 평행선)	
053			E-FACLN03		시설(O 파선)	
054			E-FACLN04		시설(O 실선)	
055			E-FACLN05		시설(점,포스트)	

조경분야선목록

번호	공종분류	공통분류	선코드	선형상	내 용	비고
056	공통	지형공통	E-TOPOG01		지형(┬ 파선)	
057			E-TOPOG02		지형(┬ 실선)	
058			E-TOPOG03		지형(| 실선)	
059			E-TOPOG04		지형(| 교대)	
060			E-TOPOG05		지형(~. 연속)	
061		지그재그	B-ZIGZG01		지그재그(선)	
062			B-ZIGZG02		지그재그(호)	
063			C-ZIGZG01		지그재그(실선,선)	
064			C-ZIGZG02		지그재그(실선,호)	
065		석축	D-STWAL01		석축(신규)	
066			X-STWAL01		석축(기존)	
067		블록담	D-BLWAL01		블록담(기존)	
068			D-BLWAL02		블록담(신규)	
069		점/원형배열	E-DOTLN01		말뚝배열	

조경분야선목록

번호	공종분류	공통분류	선코드	선형상	내 용	비고
070	공통	점/원형배열	E-DOTLN02		말뚝배열(선)	
071			E-CIRCL01		강관원형파일배열	
072			E-CIRCL02		채움원형파일배열	
073		굴착선	E-DIGLN01		굴착선	
074			E-DIGLN01H		굴착선(반배수)	
075			E-DIGLN01X		굴착선(배수)	
076		경계	B-GREEN01		녹지/숲경계	
077		기타라인	B-RANDM01		불규칙선	
078		물흐름 라인	E-WFLOW01		물흐름(선, 파선)	
079			E-WFLOW02		물흐름(선, 실선)	
080			E-WFLOW03		물흐름(화살, 파선)	
081			E-WFLOW04		물흐름(화살, 실선)	

[부속서 5]

해칭 목록

KICT 한국건설기술연구원

[부속서 5] 해칭 목록

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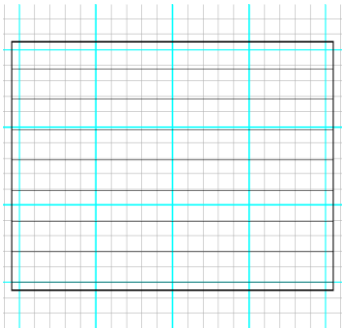
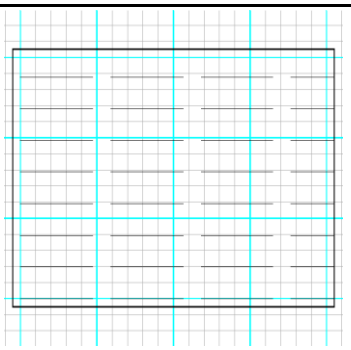
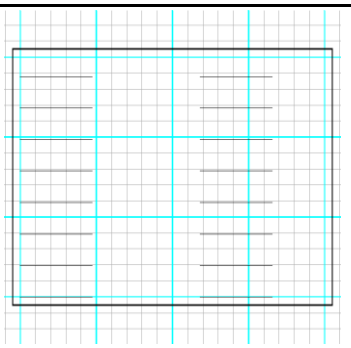
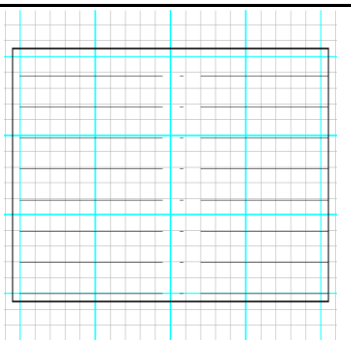
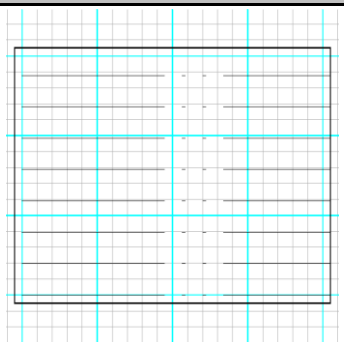
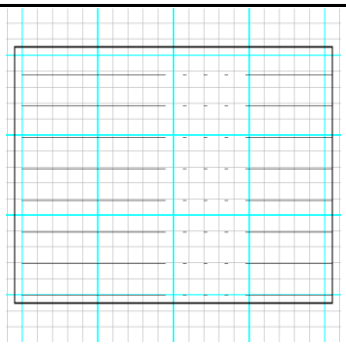
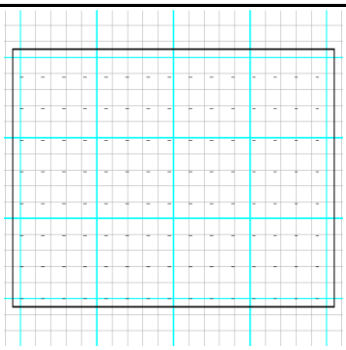
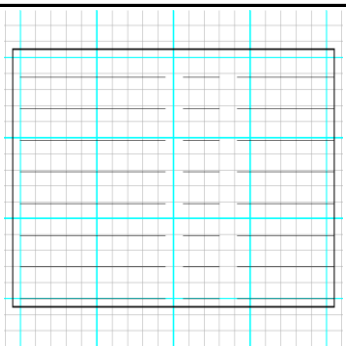
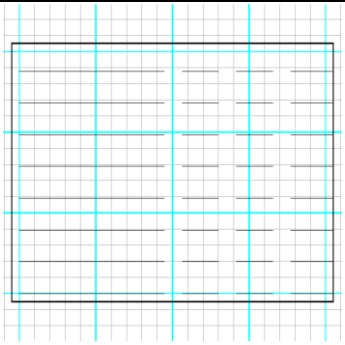
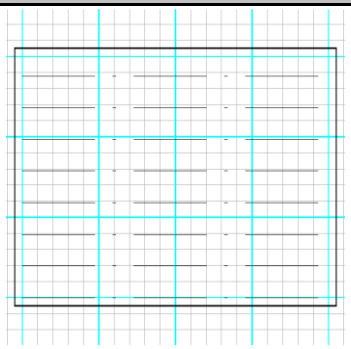
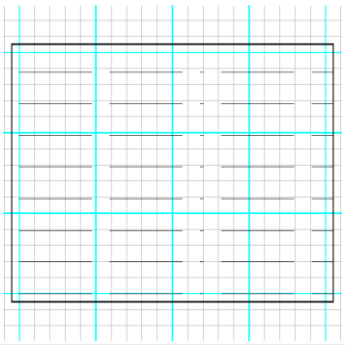
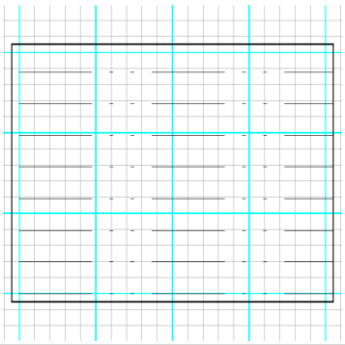
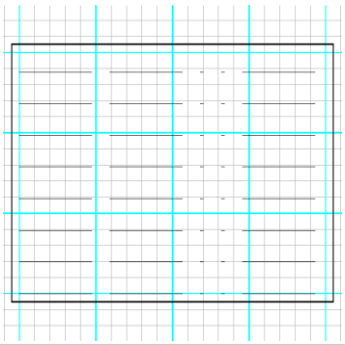
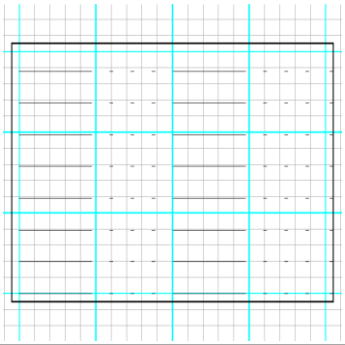
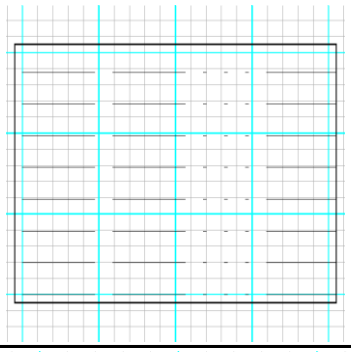
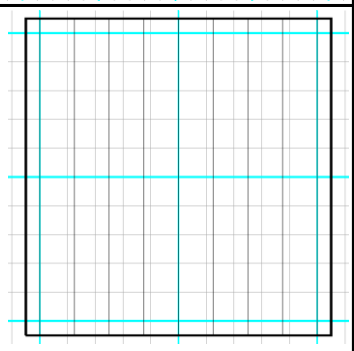
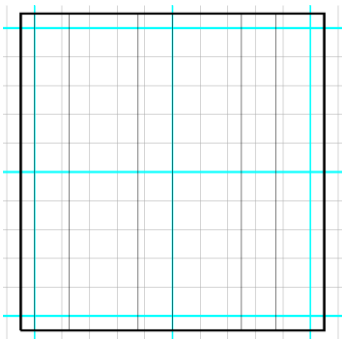
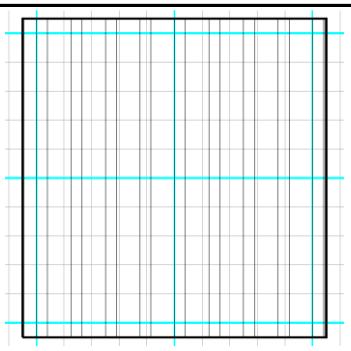
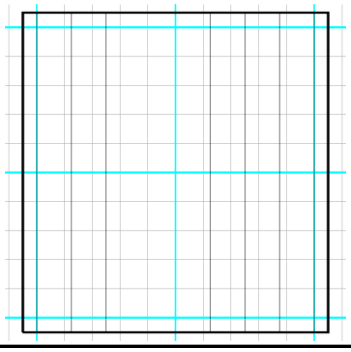
1. 공통분야 해칭 목록

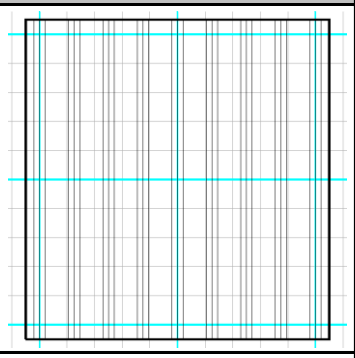
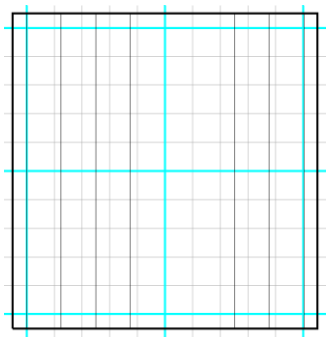
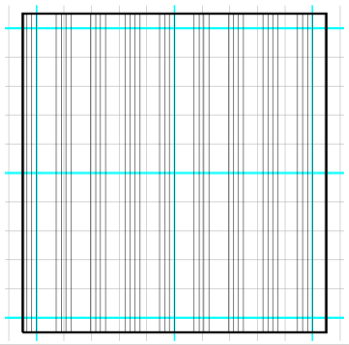
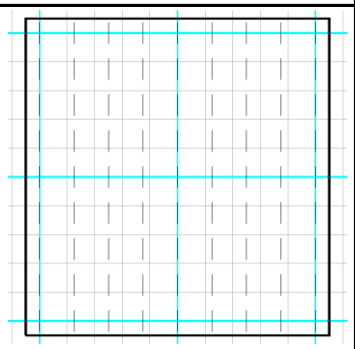
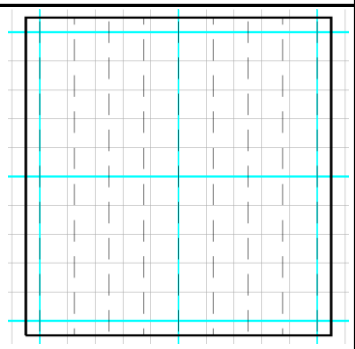
공통분야해칭목록

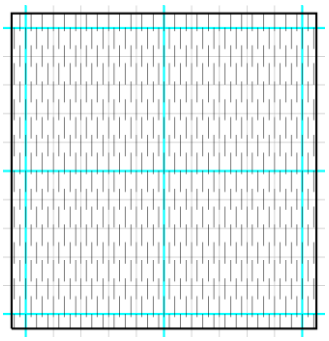
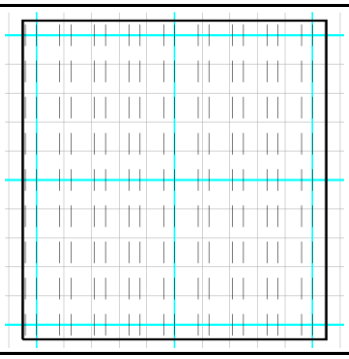
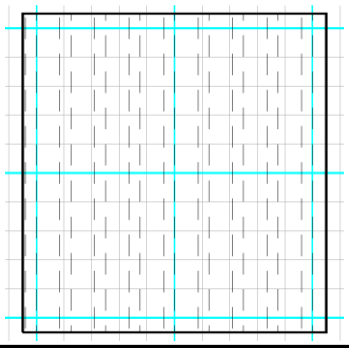
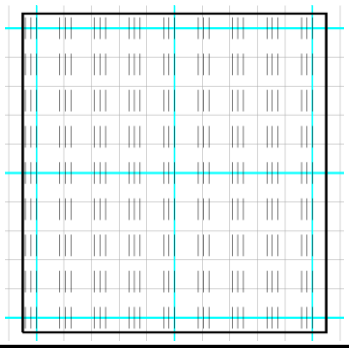
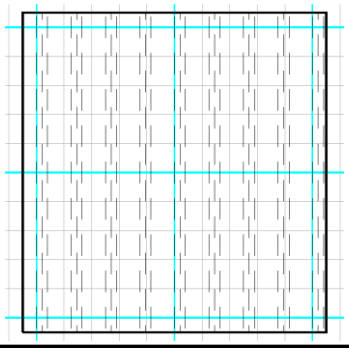
번호	공통분류	해칭코드	해칭형상	내 용	비 고
001	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002		A-ISONS02		ISO 국제규격 02	
003		A-ISONS03		ISO 국제규격 03	
004		A-ISONS04		ISO 국제규격 04	

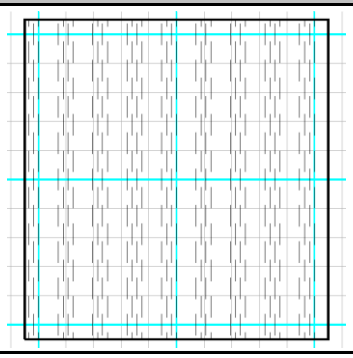
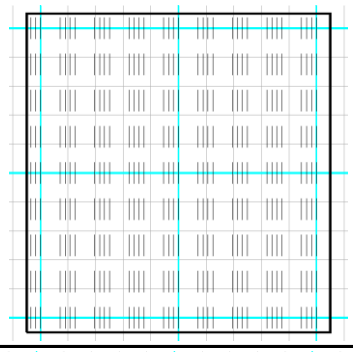
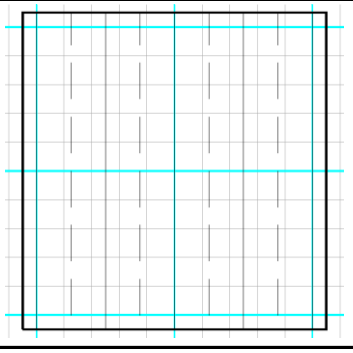
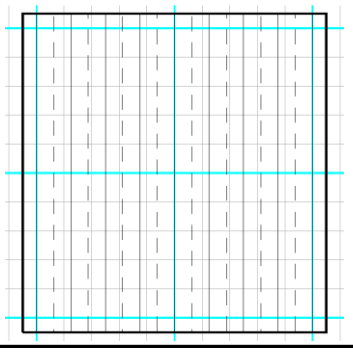
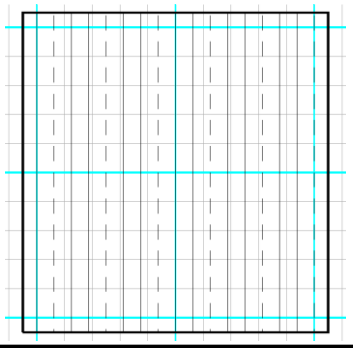
번호	공통분류	해칭코드	해칭형상	내 용	비 고
005	ISO 국제규격	A-ISONS05		ISO 국제규격 05	
006		A-ISONS06		ISO 국제규격 06	
007		A-ISONS07		ISO 국제규격 07	
008		A-ISONS08		ISO 국제규격 08	
009		A-ISONS09		ISO 국제규격 09	

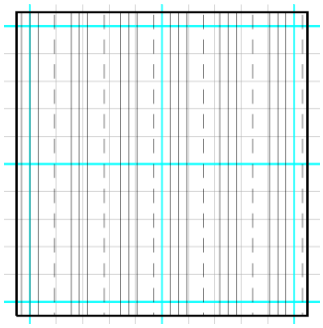
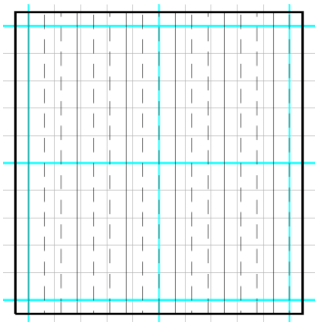
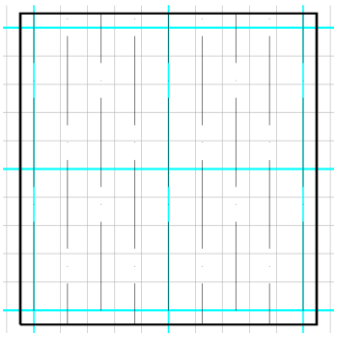
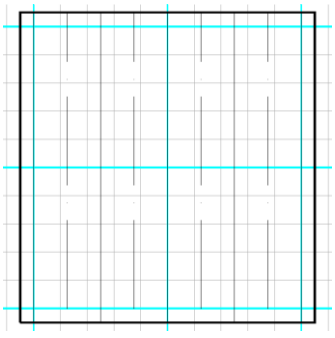
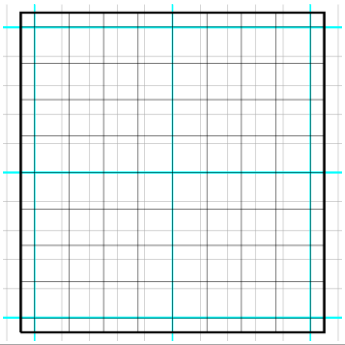
번호	공통분류	해칭코드	해칭형상	내 용	비 고
010	ISO 국제규격	A-ISONS10		ISO 국제규격 10	
011		A-ISONS11		ISO 국제규격 11	
012		A-ISONS12		ISO 국제규격 12	
013		A-ISONS13		ISO 국제규격 13	
014		A-ISONS14		ISO 국제규격 14	

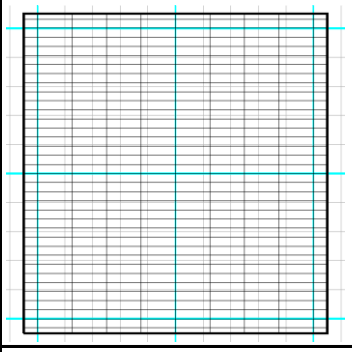
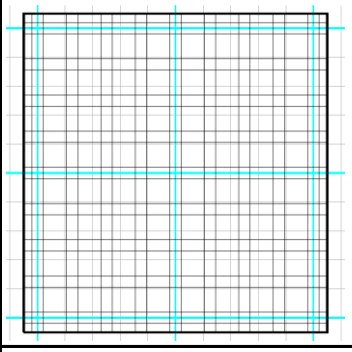
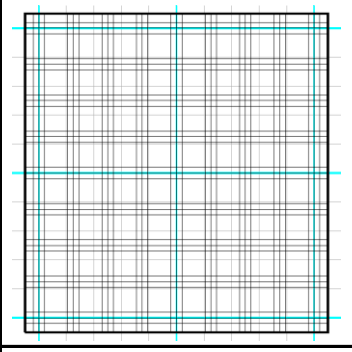
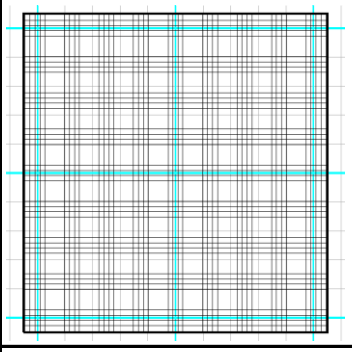
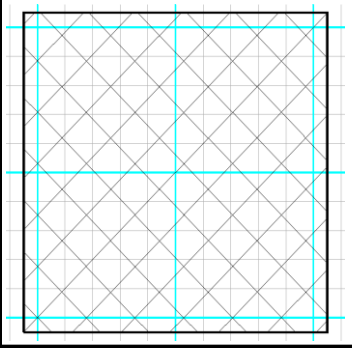
번호	공통분류	해칭코드	해칭형상	내 용	비 고
015	ISO 국제규격	A-ISONS15		ISO 국제규격 15	
016	실선 무늬	C-LINES01		단일 수직선	
017		C-LINEM01		2중 수직선(일반)	
018		C-LINEM02		2중 수직선(조밀)	
019		C-LINEM03		3중 수직선(일반)	

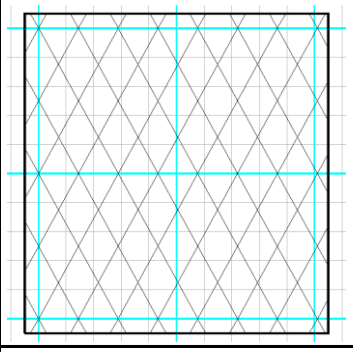
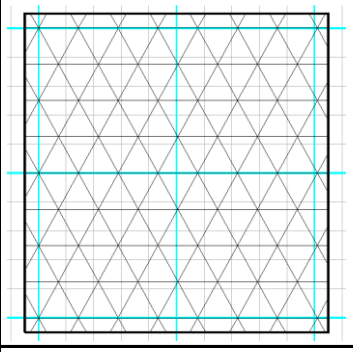
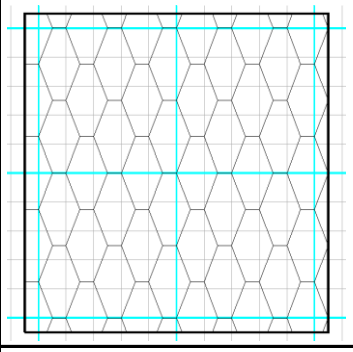
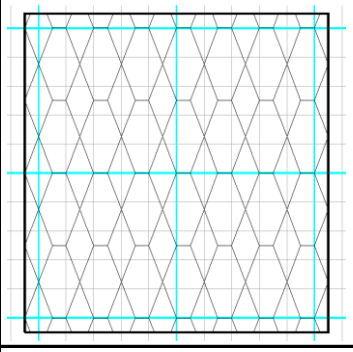
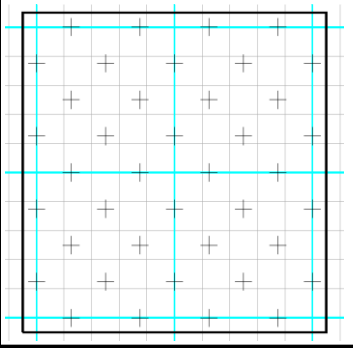
번호	공통분류	해칭코드	해칭형상	내 용	비 고
020	실선 무늬	C-LINEM04		3중 수직선(조밀)	
021		C-LINEM05		4중 수직선(일반)	
022		C-LINEM06		4중 수직선(조밀)	
023	파선 무늬	C-DASHS01		파선 수직선(일반)	
024		C-DASHS02		파선 수직선(엇갈림)	

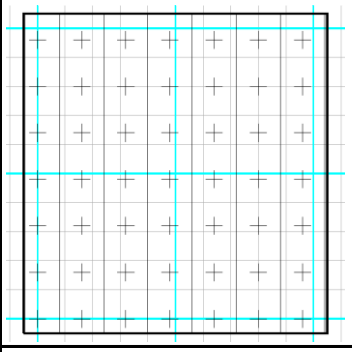
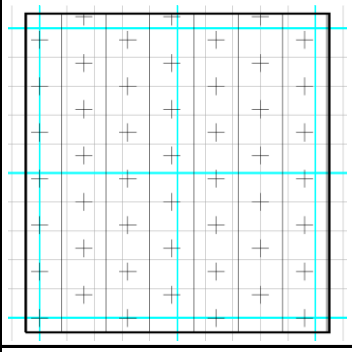
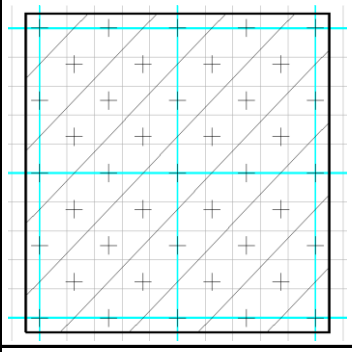
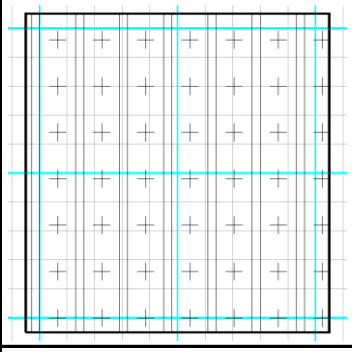
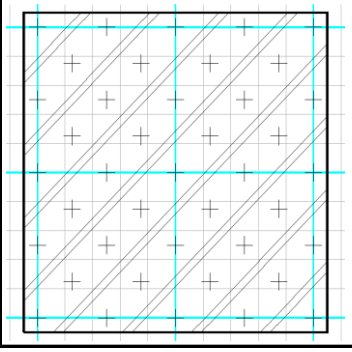
번호	공통분류	해칭코드	해칭형상	내 용	비 고
025	파선 무늬	C-DASHS03		파선 수직선(조밀,엇갈림)	
026		C-DASHM01		2중 파선 수직선(일반)	
027		C-DASHM02		2중 파선 수직선(엇갈림)	
028		C-DASHM03		3중 파선 수직선(조밀)	
029		C-DASHM04		3중 파선 수직선(조밀,엇갈림)	

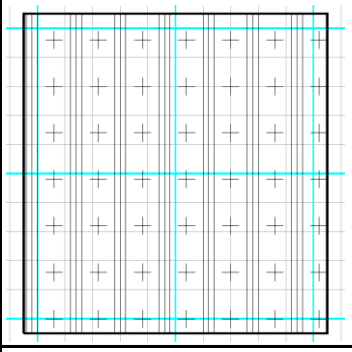
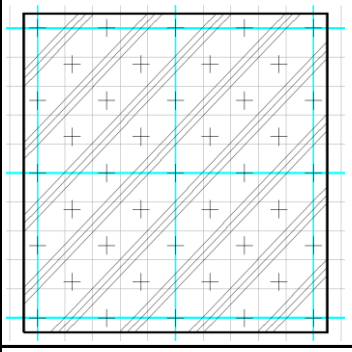
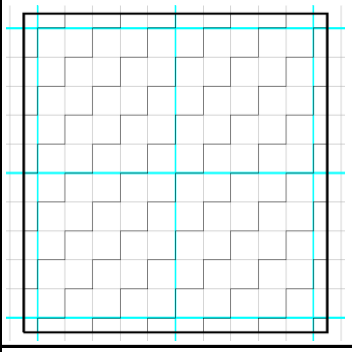
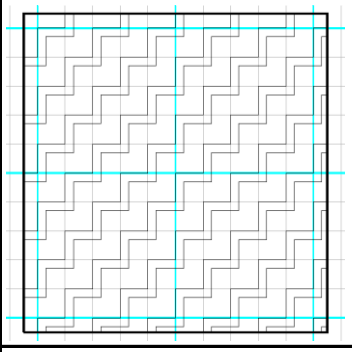
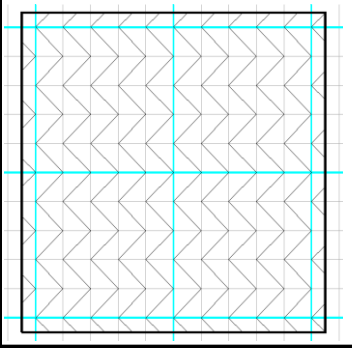
번호	공통분류	해칭코드	해칭형상	내 용	비 고
030	파선 무늬	C-DASHM05		4중 파선 수직선(조밀,엇갈림)	
031		C-DASHM06		4중 파선 수직선(조밀)	
032	실선조합 무늬	D-DASHL01		수직선 파선 반복(일반)	
033		D-DASHL02		수직선 파선 반복(조밀)	
034		D-DASHL03		2수직선 파선 반복(조밀)	

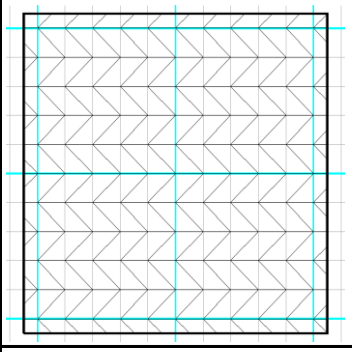
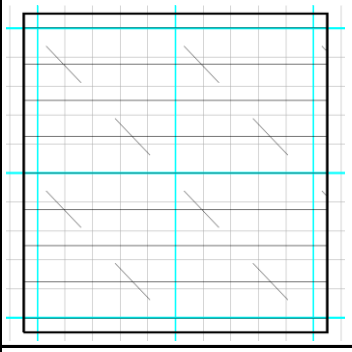
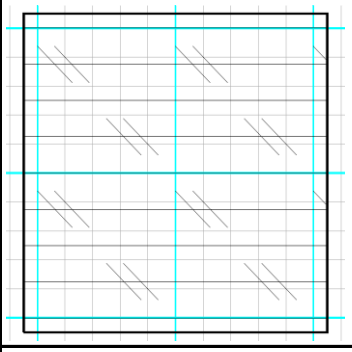
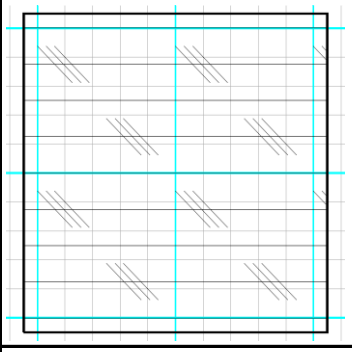
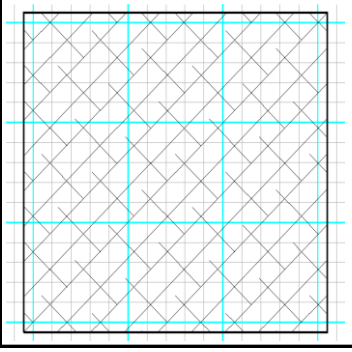
번호	공통분류	해칭코드	해칭형상	내 용	비 고
035	실선조합 무늬	D-DASHL04		3수직선 파선 반복(조밀)	
036		D-DASHL05		수직선 2파선 반복(조밀)	
037		C-LNDOT01		수직선 점선(일반)	
038		C-LNDOT02		수직선/수직 점선 반복(일반)	
039	실선교차 무늬	C-GRIDS01		실선 교차(일반)	

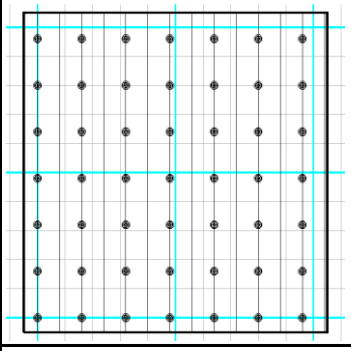
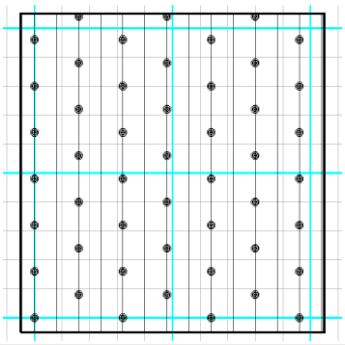
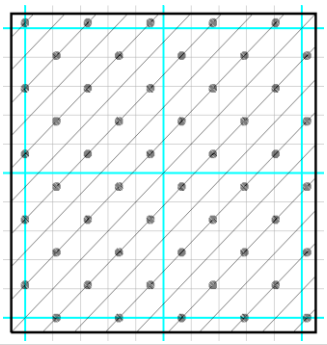
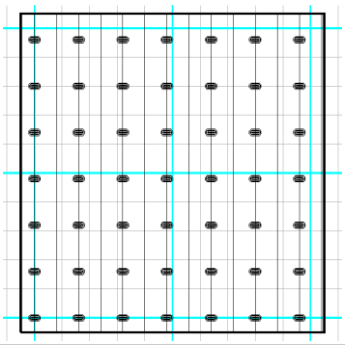
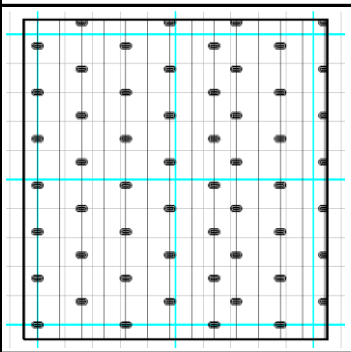
번호	공통분류	해칭코드	해칭형상	내 용	비 고
040	실선교차 무늬	C-GRIDS02		실선 교차(그레이팅)	
041		C-GRIDM01		2실선 교차	
042		C-GRIDM02		3실선 교차	
043		C-GRIDM03		4실선 교차	
044		C-NETSQ01		실선 사각교차(일반)	

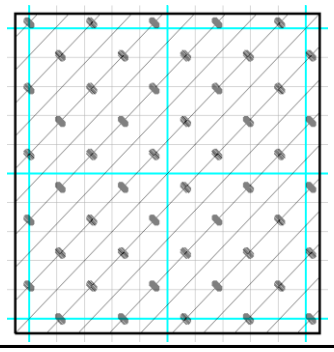
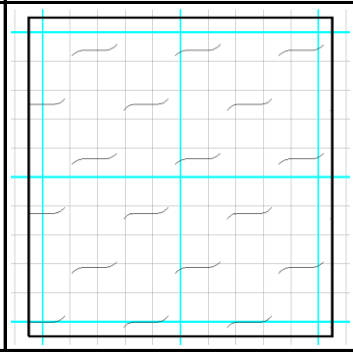
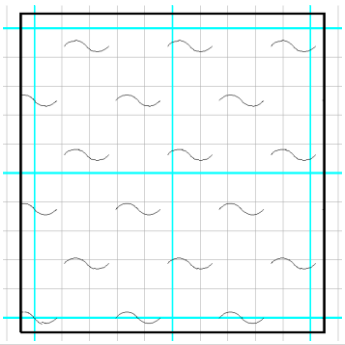
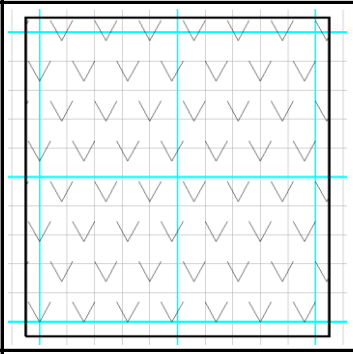
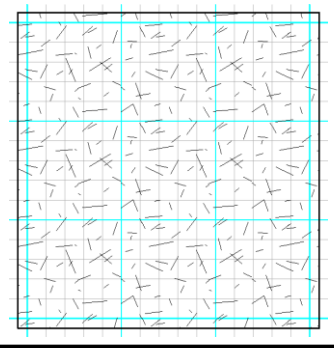
번호	공통분류	해칭코드	해칭형상	내 용	비 고
045	실선교차 무늬	C-NETDA01		실선 마름모교차(일반)	
046		C-NETDA02		실선 마름모교차(횡선)	
047		C-NETWR01		철망형 교차(일반)	
048		C-NETWR02		철망형 교차(변형)	
049	십자 무늬	M-CROSS01		십자무늬	

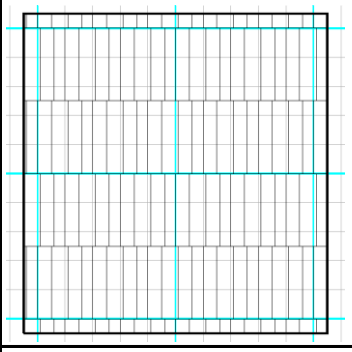
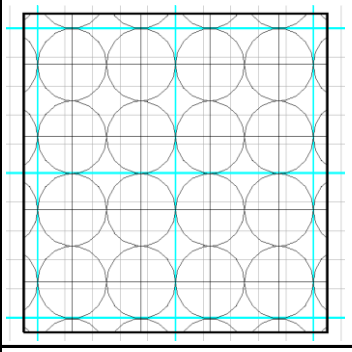
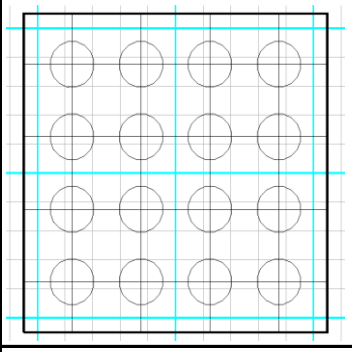
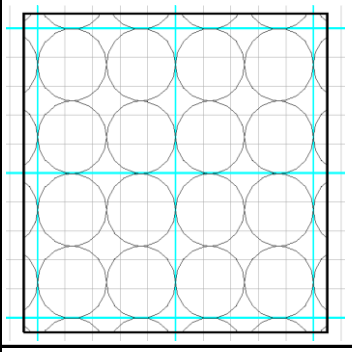
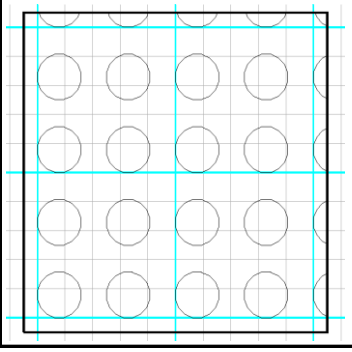
번호	공통분류	해칭코드	해칭형상	내 용	비 고
050	십자 무늬	M-CROSS02		십자 수직선 반복(일반)	
051		M-CROSS03		십자엇갈림 수직선 반복	
052		M-CROSS04		십자 사선 반복(일반)	
053		M-CROSS05		십자 2수직선 반복	
054		M-CROSS06		십자 2사선 반복	

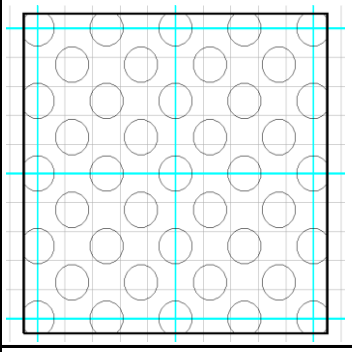
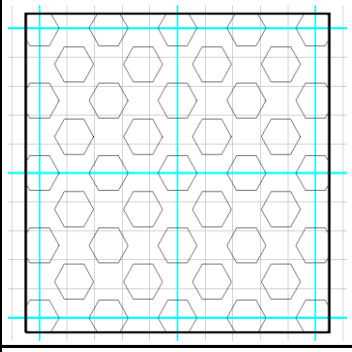
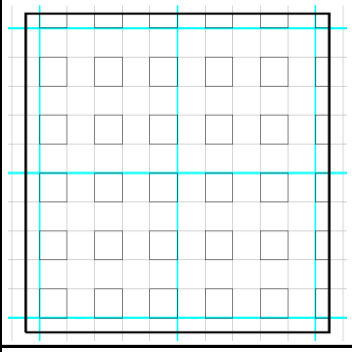
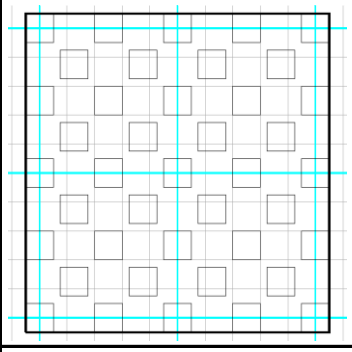
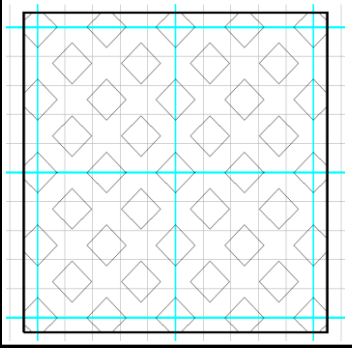
번호	공통분류	해칭코드	해칭형상	내 용	비 고
055	십자 무늬	M-CROSS07		십자 3수직선 반복	
056		M-CROSS08		십자 3사선 반복	
057	지그재그 무늬	B-ZIGZG01		사각 지그재그(일반)	
058		B-ZIGZG02		사각 2지그재그(일반)	
059		B-ZIGZG03		수직 지그재그	

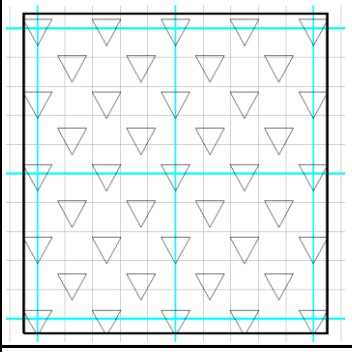
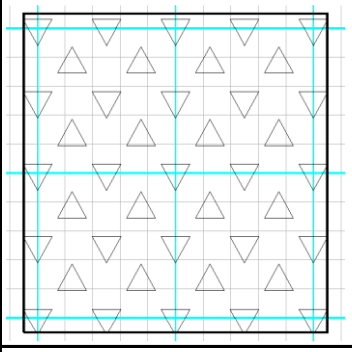
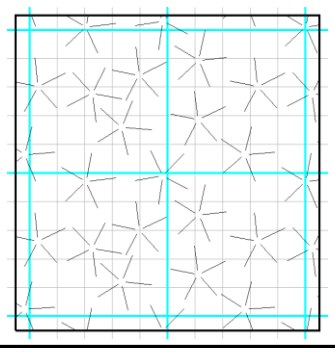
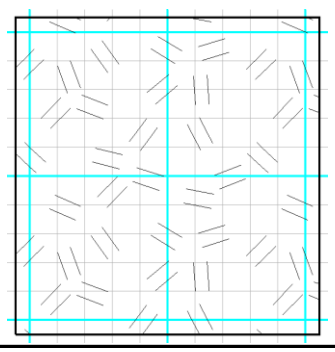
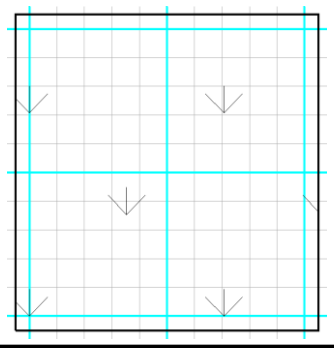
번호	공통분류	해칭코드	해칭형상	내 용	비 고
060	지그재그 무늬	B-ZIGZG04		수직 지그재그 수평선	
061	사선교차	E-SLASH01		수평선 1사선 교차(일반)	
062		E-SLASH02		수평선 2사선 교차	
063		E-SLASH03		수평선 3사선 교차	
064		E-SLASH04		사선 파선 엇갈림교차	

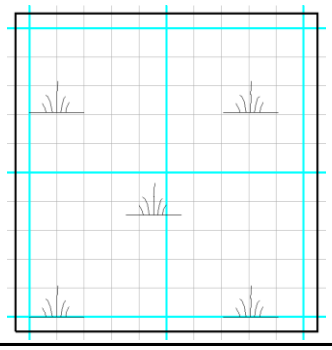
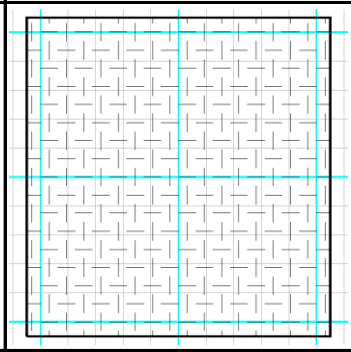
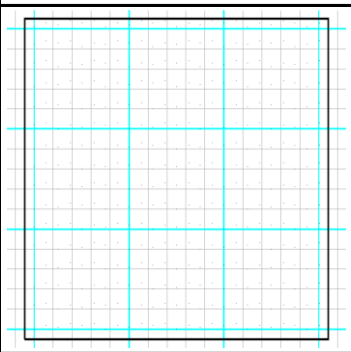
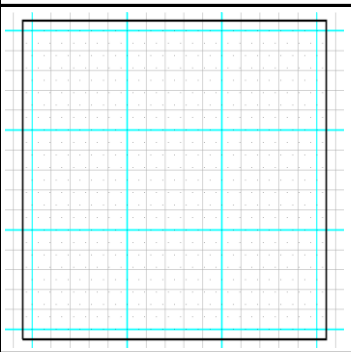
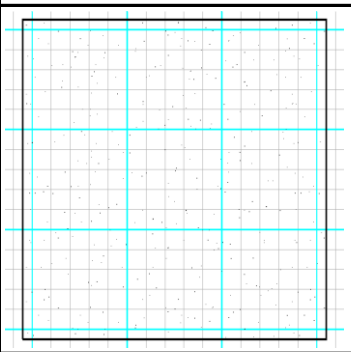
번호	공통분류	해칭코드	해칭형상	내 용	비 고
065	지질특성	E-GEOCD01		지질 수직선 점채움(일반)	
066		E-GEOCD02		지질 수직선 점채움(엇갈림)	
067		E-GEOCD03		지질 사선 점채움	
068		E-GEOED01		지질 수직선 긴점채움(일반)	
069		E-GEOED02		지질 사선 긴점채움	

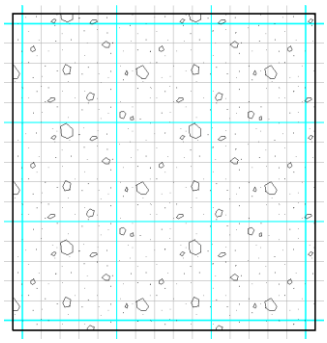
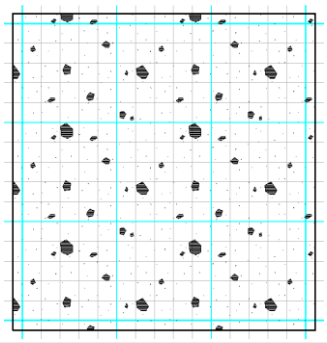
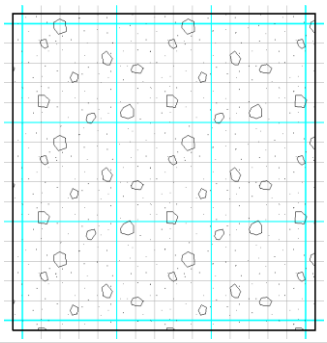
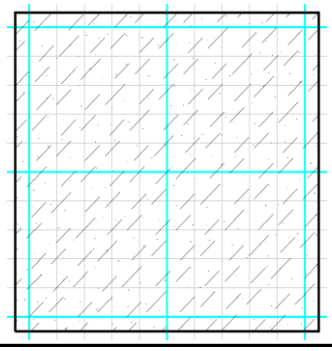
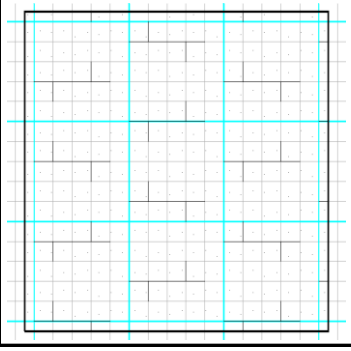
번호	공통분류	해칭코드	해칭형상	내 용	비 고
070	지질특성	E-GEOED03		지질 사선 긴점채움	
071		E-GEOTL01		지질 잔물결 엇갓림(일반)	
072		E-GEOTL02		지질 큰물결 엇갓림	
073		E-GEOCK01		지질 체크무늬	
074		E-GEORM01		지질 무작위 선	

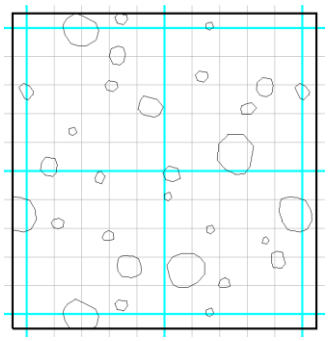
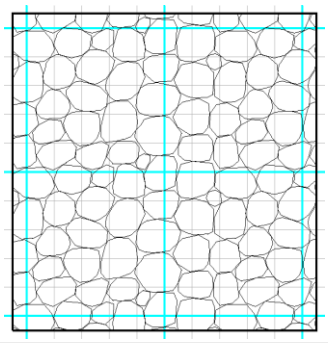
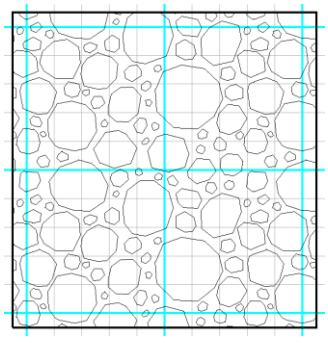
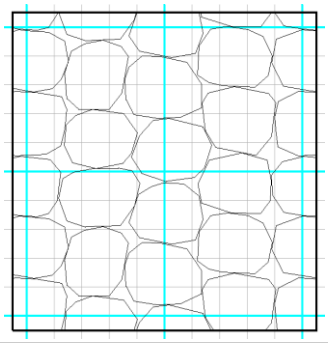
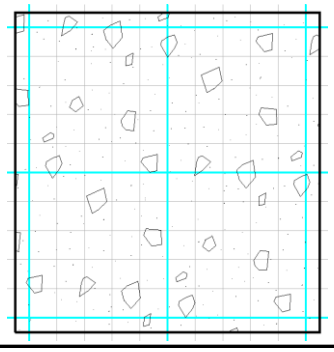
번호	공통분류	해칭코드	해칭형상	내 용	비 고
075	지질특성	E-GEOGL01		지질 변형그릴	
076	원형 및 다각형	E-CIRNT01		네트 큰원(일반)	
077		E-CIRNT02		네트 작은 원	
078		N-CIRCL01		큰원 무늬(일반)	
079		N-CIRCL02		작은원 무늬	

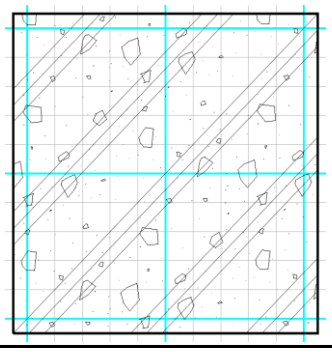
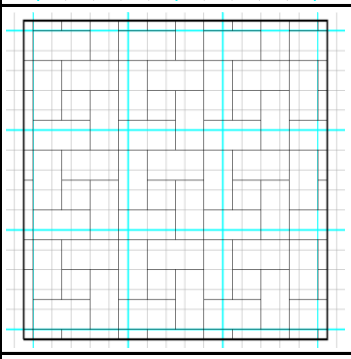
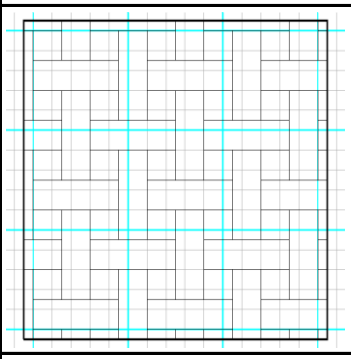
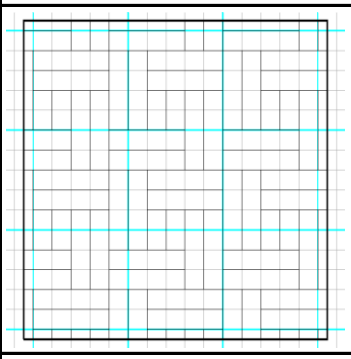
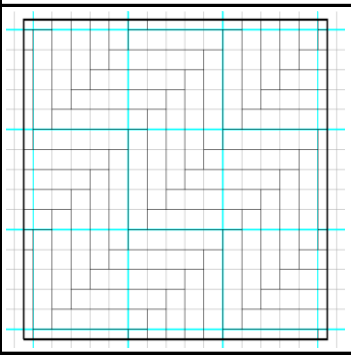
번호	공통분류	해칭코드	해칭형상	내 용	비 고
080	원형 및 다각형	N-CIRCL03		작은원(사각)	
081		N-HEXGN01		작은 6각형(엇갈림)	
082	네모 무늬	N-SQUAR01		네모 무늬(일반)	
083		N-SQUAR02		네모 무늬(엇갈림)	
084		N-SQUAR03		네모 무늬(사각)	

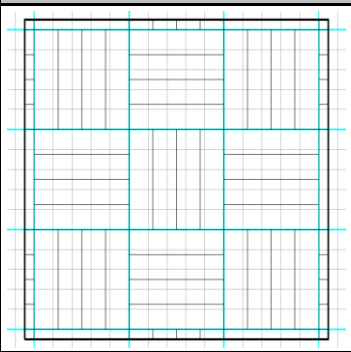
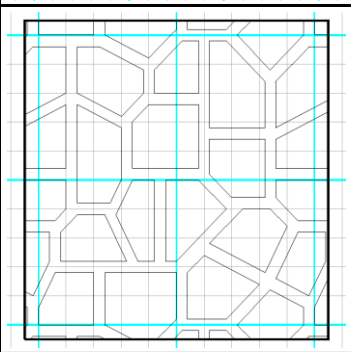
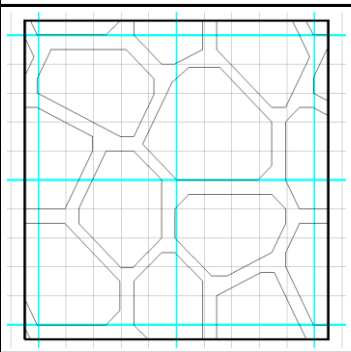
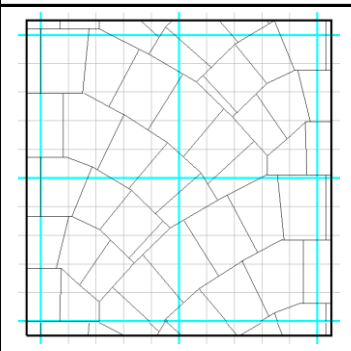
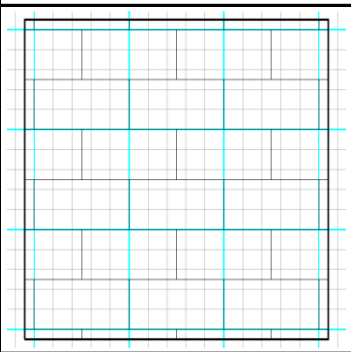
번호	공통분류	해칭코드	해칭형상	내 용	비 고
085	삼각형 무늬	N-TRIAG01		역삼각형(엇갈림)	
086		N-TRIAG02		삼각형 교대(엇갈림)	
087	녹지대	M-GREEN01		들꽃 무늬	
088		M-GREEN02		들풀 무늬	
089		M-GRASS01		잔풀 무늬	

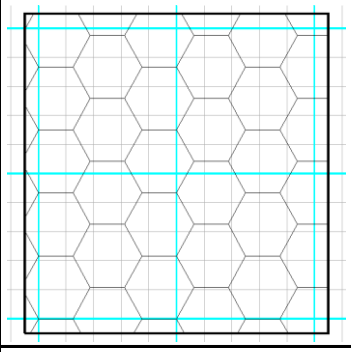
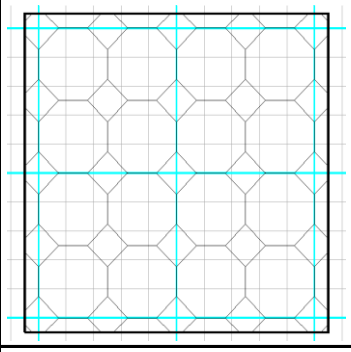
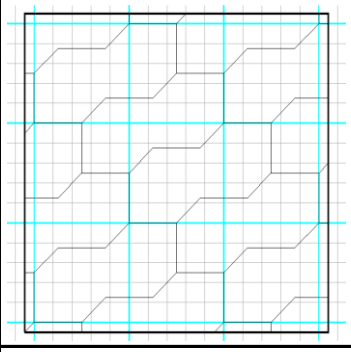
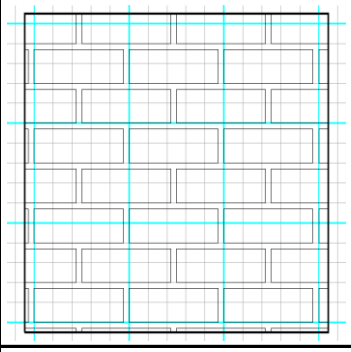
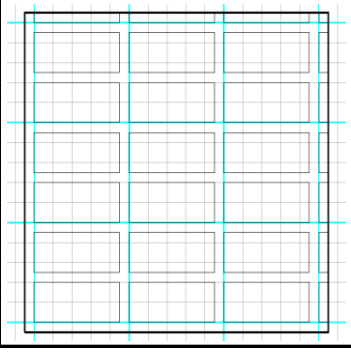
번호	공통분류	해칭코드	해칭형상	내 용	비 고
090	녹지대	M-GRASS02		목초지 무늬	
091	체크무늬	F-CHECK01		무늬판	
092	점(DOTS)	M-DOTRM01		점 자유 배치	
093		M-DOTGD01		점 그리드 배치	
094	모래 및 모래질	N-SANDS01		모래	

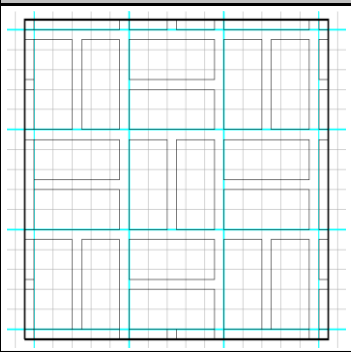
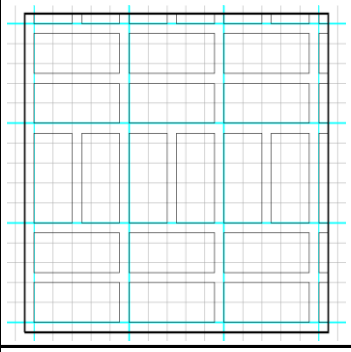
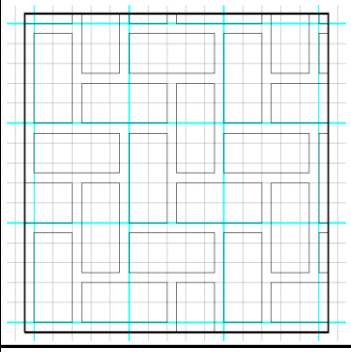
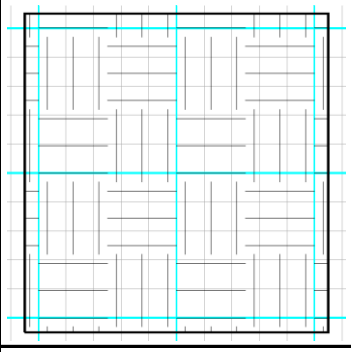
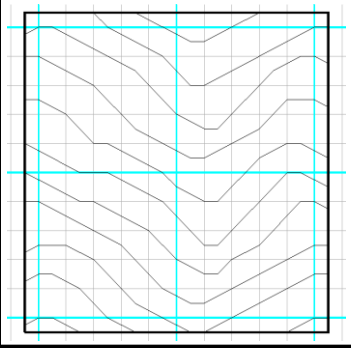
번호	공통분류	해칭코드	해칭형상	내 용	비 고
095	모래 및 모래질	N-SANDG01		모래섞인 자갈	
096		N-SANDG02		모래석인 불순자갈	
097		N-SANDG03		모래섞인 돌자갈	
098		N-SANDM01		모래섞인 기타재질(일반)	
099		N-SANDD01		불순물 섞인 모래	

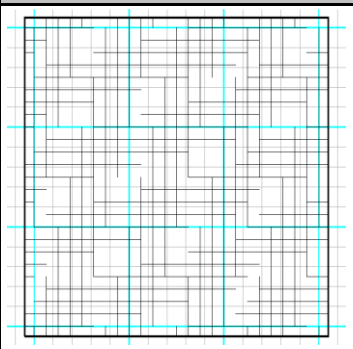
번호	공통분류	해칭코드	해칭형상	내 용	비 고
100	자갈/잡석	N-GRAVL01		자갈	
101		N-GRAVL02		굵은 자갈	
102		N-GRAVL03		자갈 섞인 부순돌	
103		N-STONE01		부순돌	
104	콘크리트	N-CONCP01		무근콘크리트	

번호	공통분류	해칭코드	해칭형상	내 용	비 고
105	콘크리트	N-CONCR01		철근콘크리트	
106	타일	N-TILES01		타일 네모(일반)	
107		N-TILES02		타일 십자	
108		N-TILES03		타일 2중교대	
109		N-TILES04		타일 갈매기	

번호	공통분류	해칭코드	해칭형상	내 용	비 고
110	타일	N-TILES05		타일 4중교대	
111	판석	N-FSTON01		판석포장(일반)	
112		N-FSTON02		넓은 판석포장	
113		N-FSTON03		기하 판석포장	
114	블록	N-BLOCK01		블록(일반)	

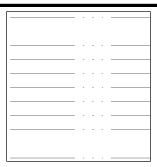
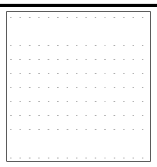
번호	공통분류	해칭코드	해칭형상	내 용	비 고
115	블록	N-BLOCK02		6각형 블록(엇갈림)	
116		N-BLOCK03		6각형 블록	
117		N-BLOCK04		보도블록	
118	벽돌	N-BRICK01		벽돌쌓기(엇갈림)	
119		N-BRICK02		벽돌쌓기	

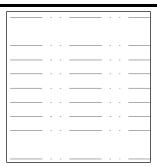
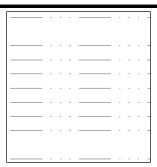
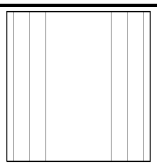
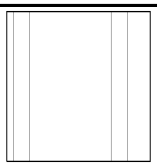
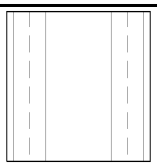
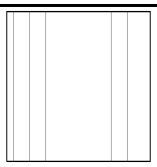
번호	공통분류	해칭코드	해칭형상	내 용	비 고
120	벽돌	N-BRICK03		벽돌쌓기(2중 교대)	
121		N-BRICK04		벽돌쌓기(2중 열)	
122		N-BRICK05		벽돌쌓기(엇갈림 열)	
123	지반	M-EARTH01		지반무늬	
124	기타	X-WOODG01		나무결	

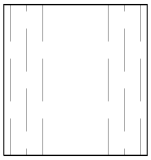
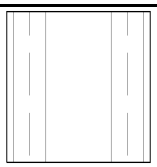
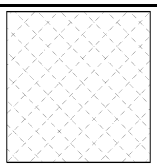
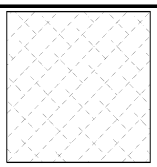
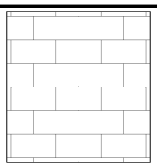
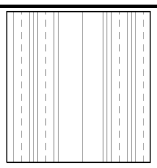
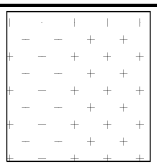
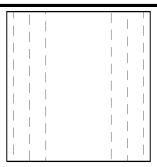
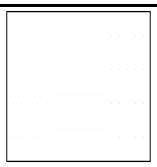
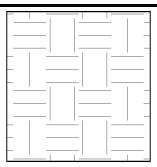
번호	공통분류	해칭코드	해칭형상	내 용	비 고
125	기타	X-HOUND01		하운드 무늬	

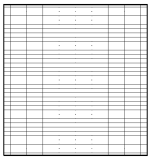
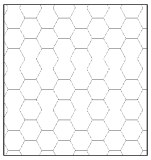
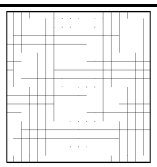
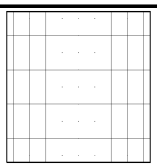
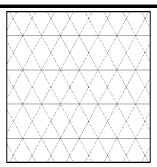
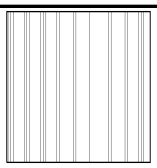
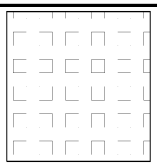
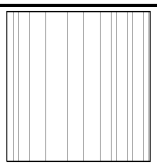
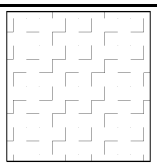
2. 토목분야 해칭 목록

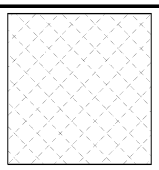
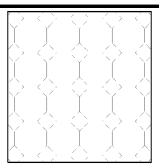
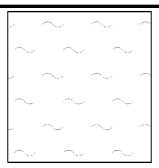
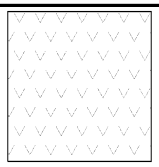
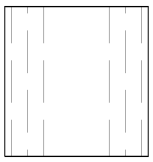
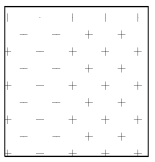
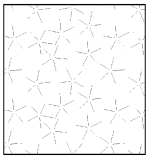
토목분야해칭목록

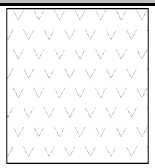
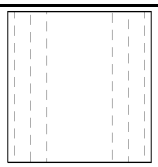
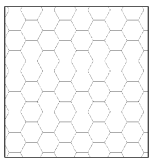
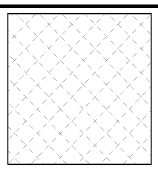
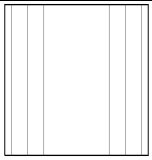
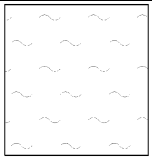
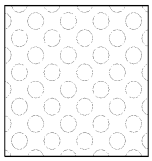
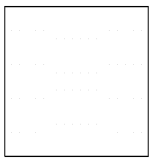
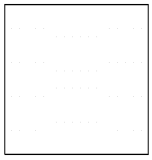
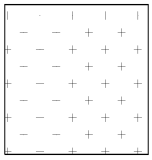
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	

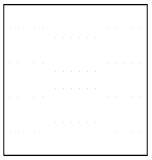
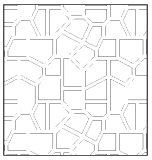
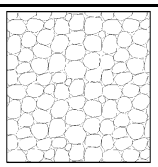
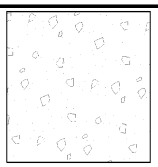
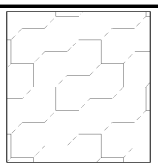
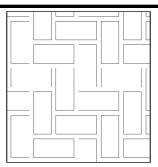
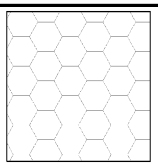
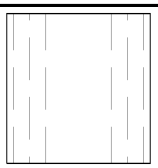
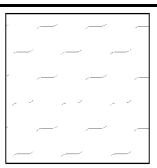
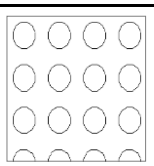
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
010	공통	ISO 국제규격	A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		ANSI패턴	C-LINES01		단일 수직선	
017			C-LINEM01		2중 수직선(일반)	
018			D-DASHL01		수직선 파선 반복(일반)	
019			C-LINEM03		3중 수직선(일반)	

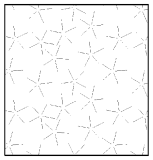
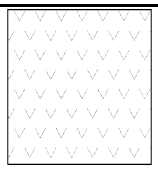
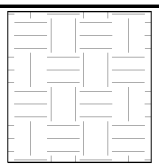
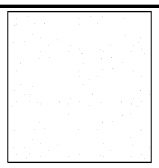
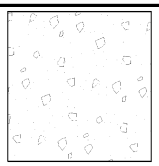
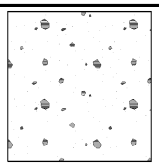
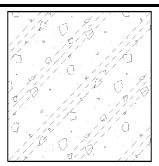
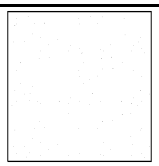
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
020	공통	ANSI패턴	C-LNDOT01		수직선 점선(일반)	
021			C-LNDOT02		수직선/수직 점선 반복(일반)	
022			C-NETSQ01		실선 사각교차(일반)	
023			E-SLASH04		사선 파선 엇갈림교차	
024		상용패턴	N-BLOCK01		블록(일반)	
025			D-DASHL04		3수직선 파선 반복(조밀)	
026			M-CROSS01		십자무늬	
027			C-DASHS02		파선 수직선(엇갈림)	
028			M-DOTGD01		점 그리드 배치	
029			M-EARTH01		지반무늬	

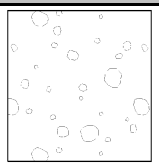
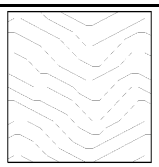
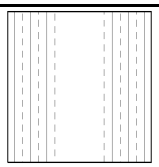
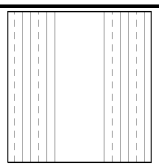
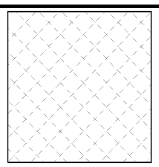
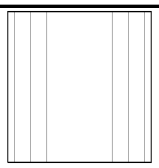
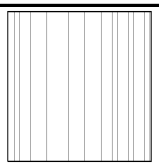
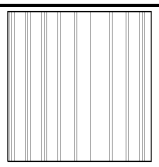
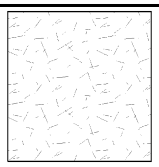
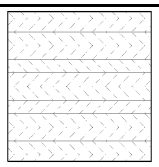
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
030	공통	상용패턴	C-GRIDS02		실선 교차(그레이팅)	
031			N-BLOCK02		6각형 블록(엇갈림)	
032			X-HOUND01		하운드 무늬	
033			C-GRIDS01		실선 교차(일반)	
034			C-NETDA02		실선 마름모교차(횡선)	
035			C-LINEM04		3중 수직선(조밀)	
036			N-SQUAR01		네모 무늬(일반)	
037			C-LINEM02		2중 수직선(조밀)	
038			N-TRIAG01		역삼각형(엇갈림)	
039			B-ZIGZG01		사각 지그재그(일반)	

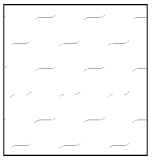
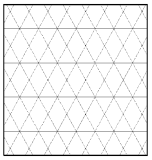
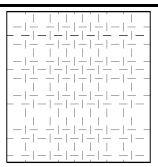
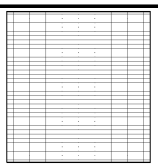
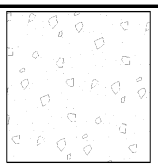
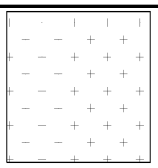
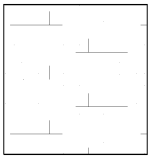
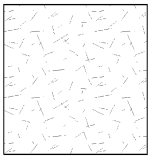
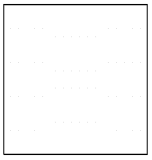
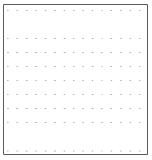
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
040	일반(Z)	적용대상없음				
041	측량 및 지질(V)	적용대상없음				
042	기하구조(A)	적용대상없음				
043	토공(E)	사면보호	C-NETSQ01		사면보호블록	
044			N-BLOCK03		사면보강블록	
045		절성토	E-GEOTL02		성토부	
046			E-GEOCK01		절토부	
047		재하성토	C-LNDOT01		재하성토 LAER1	
048			M-CROSS01		재하성토 LAER2	
049			M-GREEN01		재하성토 LAER3	

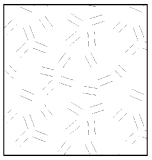
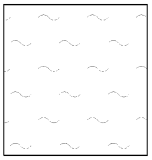
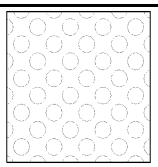
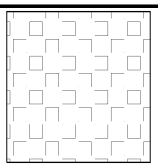
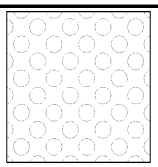
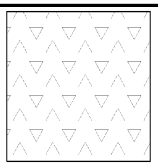
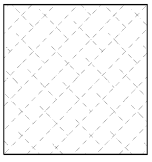
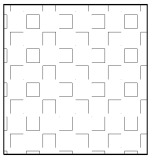
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
050	토공(E)	재하성토	E-GEOCK01		재하성토 LAER4	
051			C-DASHS02		재하성토 LAER5	
052			N-BLOCK02		재하성토 LAER6	
053			C-NETSQ01		재하성토 LAER7	
054			C-LINES01		재하성토 LAER8	
055			E-GEOTL02		재하성토 LAER9	
056			N-CIRCL03		재하성토 LAER10	
057			M-DOTGD01		비 재하성토 영역	
058	토목시설(F)	건물	M-DOTGD01		건물	
059			M-CROSS01		건물영역	

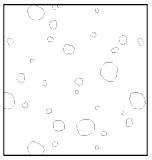
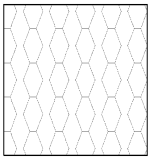
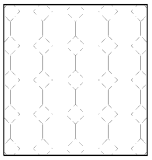
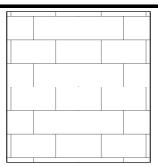
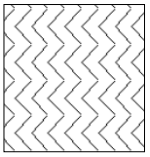
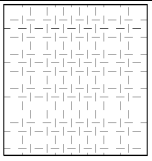
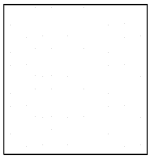
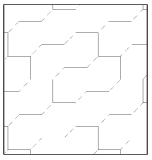
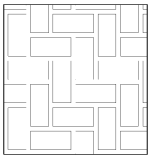
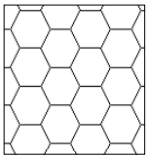
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
060	토목시설(F)	도로	M-DOTGD01		도로영역	
061		포장	N-FSTON01		판석포장	
062			N-GRAVL02		자갈포장	
063			N-CONCP01		콘크리트포장	
064			N-BLOCK04		블록포장1	
065			N-BRICK05		블록포장2	
066			N-BLOCK02		블록포장3	
067			C-LNDOT01		화강석 포장	
068			E-GEOTL01		마사토 포장	
069		주차장	N-CIRCL02		주차장영역	

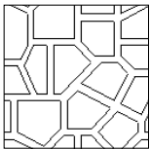
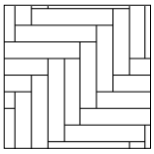
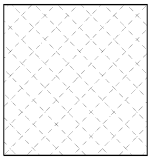
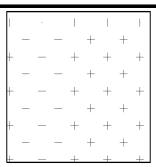
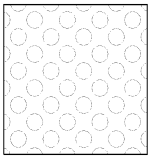
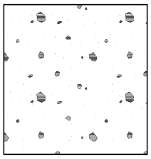
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
070	토목시설(F)	기타구역	M-GREEN01		조경구역	
071		기타	E-GEOCK01		운동시설	
072	우배수공(D)	적용대상없음				
073	상하수도공(W)	적용대상없음				
074	구조물공(S)	재질	M-EARTH01		지반(GROUND)	
075			N-SANDS01		시멘트, 몰탈	
076			N-CONCP01		콘크리트	
077			N-SANDG02		숏크리트	
078			N-CONCR01		철근콘크리트	
079			N-SANDS01		모래	

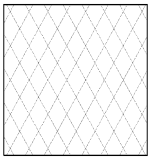
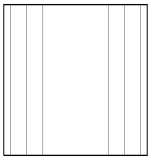
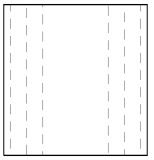
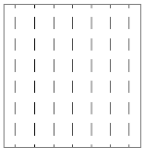
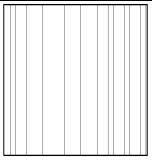
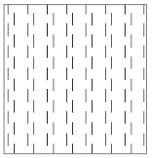
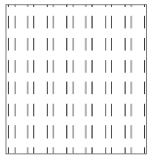
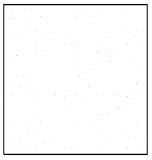
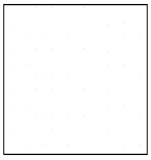
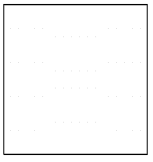
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
080	구조물공(S)	재질	N-GRAVL01		자갈	
081			X-WOODG01		목재	
082			D-DASHL02		석재	
083			D-DASHL03		인조석	
084			C-NETSQ01		블록	
085			C-LINES01		벽돌	
086			C-LINEM02		강(STEEL)	
087			C-LINEM04		플라스틱	
088			E-GEORM01		석고(GYPSUM)	
089			B-ZIGZG04		합판(FLYWOOD)	

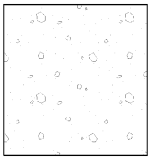
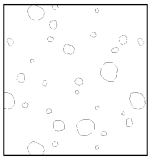
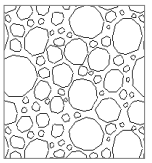
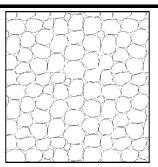
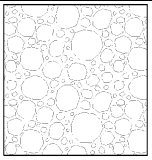
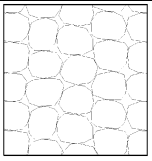
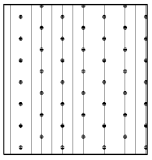
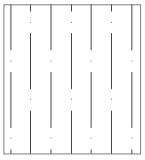
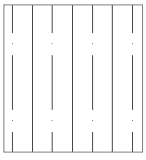
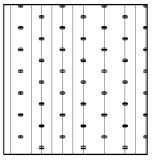
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
090	구조물공(S)	재질	E-GEOTL01		고무	
091			C-NETDA02		철망	
092			F-CHECK01		무늬강판(CHECKED PLATE)	
093			C-GRIDS02		스틸그레이팅	
094	포장공(P)	본포장	N-CONCP01		콘크리트 포장	
095			M-CROSS01		아스팔트 포장	
096			N-SANDD01		간이포장	
097			E-GEORM01		비포장	
098		보조포장	M-DOTGD01		길어깨 포장	
099			A-ISONS07		교면 포장	

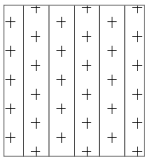
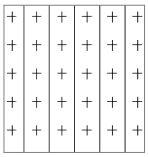
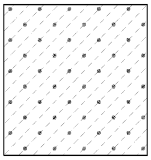
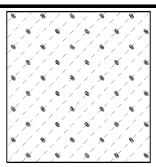
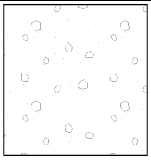
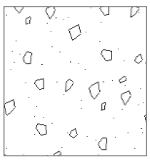
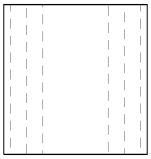
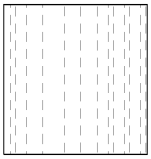
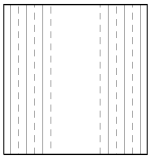
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
100	포장공(P)	보조포장	M-GREEN02		교면(LMC) 포장	
101			E-GEOTL02		터널내 포장	
102		보강포장	N-CIRCL03		암거접속부 보강포장	
103			N-SQUAR02		교량접속부 보강포장	
104			N-CIRCL03		절성경계부 보강포장	
105			N-TRIAG01		아스콘접속부 보강포장	
106			N-TRIAG02		길어깨보강부 보강포장	
107			E-GEOCK01		기타 보조 및 보강포장	
108		특수포장	E-SLASH04		구스 포장	
109			N-SQUAR02		SMA 포장	

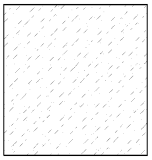
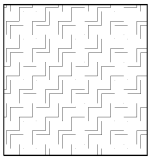
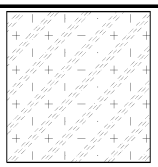
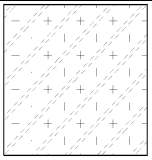
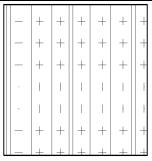
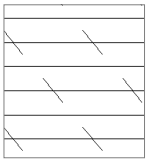
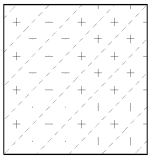
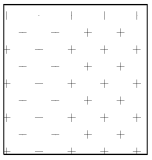
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
110	포장공(P)	특수포장	N-GRAVL01		배수(투수) 포장	
111			C-NETWR01		LMC 포장	
112			N-BLOCK03		CRM 포장	
113			N-BLOCK01		ILB 포장	
114			B-ZIGZG03		기타특수포장	
115			F-CHECK01		미끄럼방지 포장	
116		기타포장	M-DOTRM01		인력포설	
117			N-BLOCK04		블록포장1	
118			N-BRICK05		블록포장2	
119			N-BLOCK02		블록포장3	

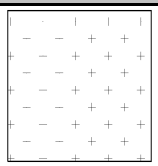
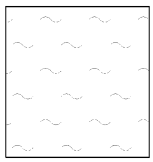
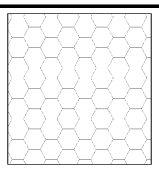
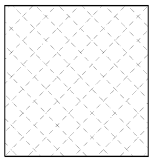
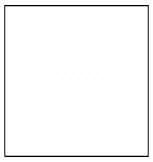
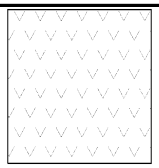
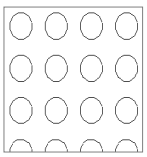
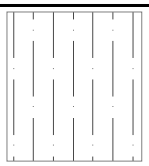
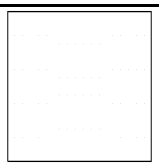
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
120	포장공(P)	기타포장	N-FSTON01		판석포장	
121			N-TILES03		기타포장	
122	부대공(M)	도로안전시설	C-NETSQ01		낙석방지망	
123		교통처리	M-CROSS01		공사구간	
124			M-DOTGD01		교통처리구간	
125			E-GEOCK01		가포장	
126			N-CIRCL03		가도	
127			N-TRIAG02		포장철거	
128	용지공(L)	적용대상없음				
129	종단면도(R)	지질(토질)주상	N-SANDG02		이탄토	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
130	종단면도(R)	지질(토질)주상	C-NETDA01		붕적토	
131			C-LINES01		실트	
132			C-DASHS02		고압축 실트	
133			C-DASHS01		저압축 실트	
134			C-LINEM02		점토	
135			C-DASHM02		고압축 점토	
136			C-DASHM01		저압축 점토	
137			N-SANDS01		모래	
138			M-DOTRM01		입도좋은 모래	
139			M-DOTGD01		입도나쁜 모래	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
140	종단면도(R)	지질(토질)주상	N-SANDG01		몰탈	
141			N-GRAVL01		자갈	
142			N-GRAVL03		입도좋은 자갈	
143			N-GRAVL02		입도나쁜 자갈	
144			N-GRAVL03		호박돌	
145			N-STONE01		전석	
146			E-GEOCD02		실트질 모래	
147			C-LNDOT01		입도좋은 실트질 모래	
148			C-LNDOT02		입도나쁜 실트질 모래	
149			E-GEOED02		실트질 자갈	

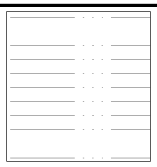
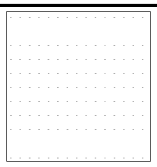
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
150	종단면도(R)	지질(토질)주상	M-CROSS03		입도좋은 실트질 자갈	
151			M-CROSS02		입도나쁜 실트질 자갈	
152			E-GEOCD03		점토질 모래	
153			E-GEOED03		점토질 자갈	
154			N-SANDG03		자갈질 모래	
155			N-CONCP01		콘크리트	
156			C-DASHS02		표토	
157			C-DASHM02		퇴적토	
158			D-DASHL02		매립토	
159			E-GEOCK01		사질토	

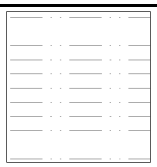
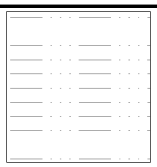
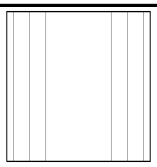
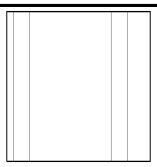
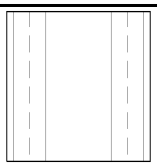
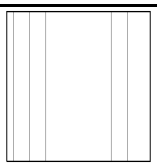
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
160	종단면도(R)	지질(토질)주상	N-SANDM01		풍화토	
161			B-ZIGZG02		취약암	
162			B-ZIGZG03		퇴적암	
163			M-CROSS08		풍화암	
164			M-CROSS06		연암	
165			M-CROSS05		보통암	
166			E-SLASH01		충적토	
167			M-CROSS04		경암	
168			M-CROSS01		극경암	
169	횡단면도(C)	적용대상없음				

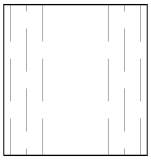
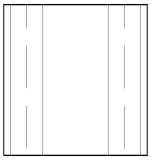
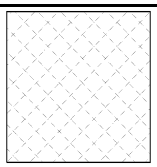
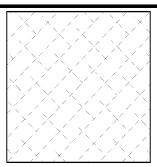
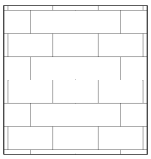
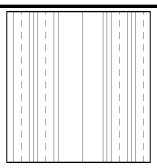
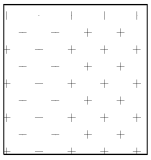
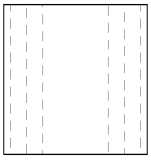
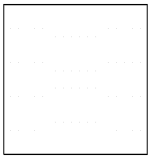
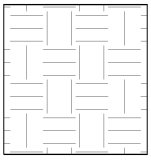
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
170	항만시설(H)	계획시설	M-CROSS01		컨테이너저장소	
171			A-ISONS09		철송장(수송지역)	
172			E-GEOTL02		위험물저장소	
173			N-BLOCK02		자재저장소	
174			C-NETSQ01		에이프런	
175			M-DOTGD01		서비스지역(도로 등)	
176		공사영역	E-GEOCK01		정부공사영역	
177			N-CIRCL02		PBD영역	
178			L-LNDOT01		비개량영역	
179	기타	KEY PLAN	M-DOTGD01		KEY PLAN 대상영역	

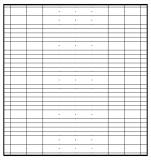
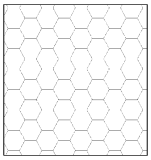
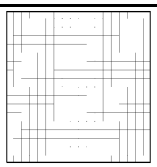
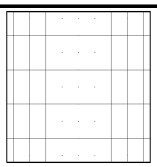
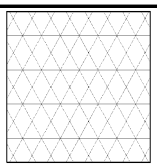
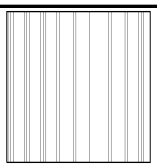
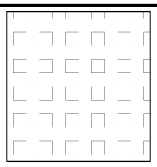
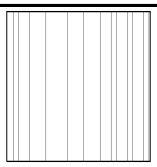
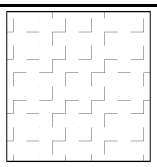
3. 건축분야 해칭 목록

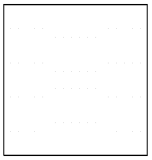
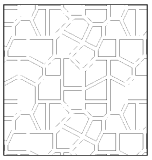
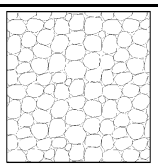
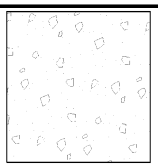
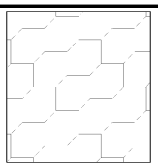
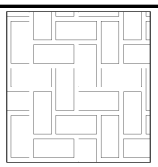
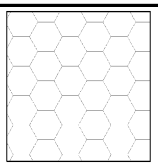
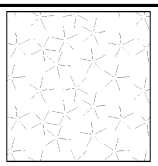
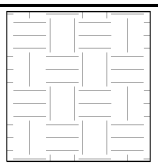
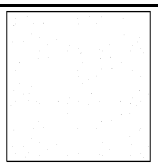
건축분야해칭목록

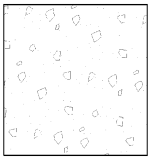
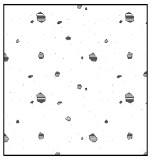
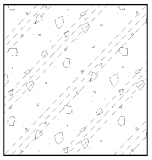
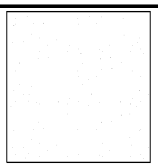
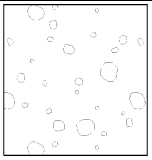
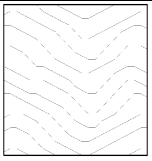
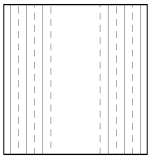
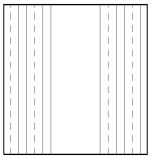
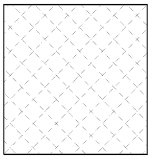
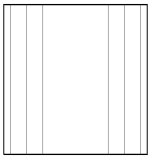
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	
005			A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	

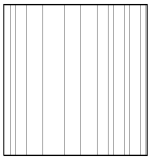
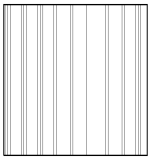
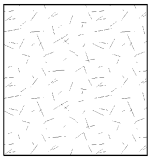
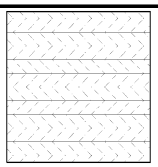
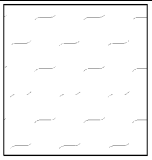
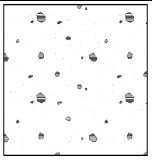
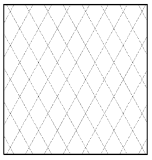
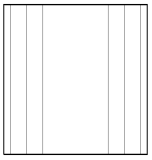
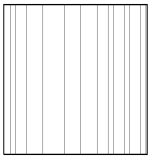
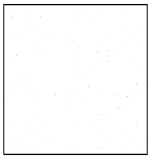
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
010	공통	ISO 국제규격	A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	
015			A-ISONS15		ISO 국제규격 15	
016		ANSI패턴	C-LINES01		단일 수직선	
017			C-LINEM01		2중 수직선(일반)	
018			D-DASHL01		수직선 파선 반복(일반)	
019			C-LINEM03		3중 수직선(일반)	

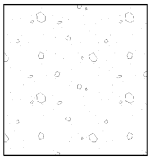
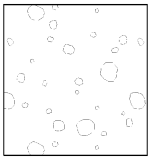
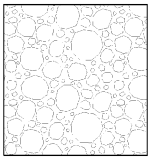
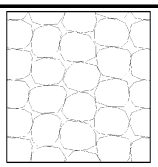
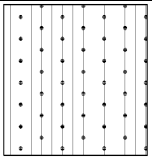
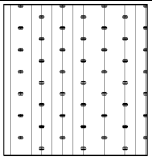
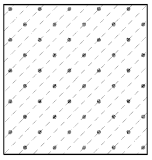
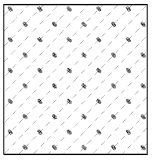
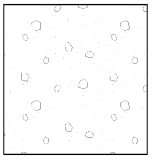
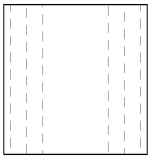
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
020	공통	ANSI패턴	C-LNDOT01		수직선 점선(일반)	
021			C-LNDOT02		수직선/수직 점선 반복(일반)	
022			C-NETSQ01		실선 사각교차(일반)	
023			E-SLASH04		사선 파선 엇갈림교차	
024		상용패턴	N-BLOCK01		블록(일반)	
025			D-DASHL04		3수직선 파선 반복(조밀)	
026			M-CROSS01		십자무늬	
027			C-DASHS02		파선 수직선(엇갈림)	
028			M-DOTGD01		점 그리드 배치	
029			M-EARTH01		지반무늬	

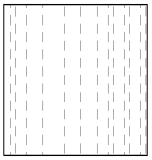
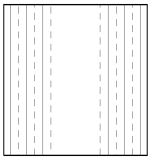
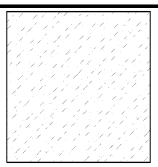
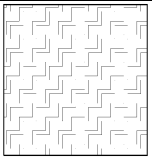
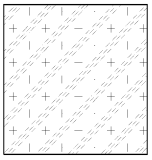
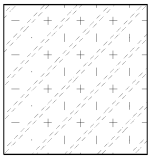
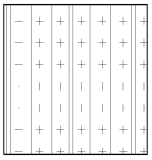
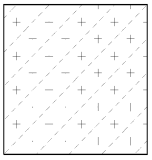
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
030	공통	상용패턴	C-GRIDS02		실선 교차(그레이팅)	
031			N-BLOCK02		6각형 블록(엇갈림)	
032			X-HOUND01		하운드 무늬	
033			C-GRIDS01		실선 교차(일반)	
034			C-NETDA02		실선 마름모교차(횡선)	
035			C-LINEM04		3중 수직선(조밀)	
036			N-SQUAR01		네모 무늬(일반)	
037			C-LINEM02		2중 수직선(조밀)	
038			N-TRIAG01		역삼각형(엇갈림)	
039			B-ZIGZG01		사각 지그재그(일반)	

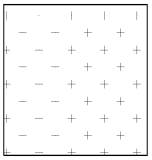
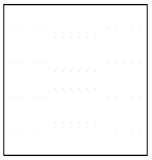
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
040	건축일반	영역/포장	M-DOTGD01		건물	
041			N-FSTON01		판석포장	
042			N-GRAVL02		자갈포장	
043			N-CONCP01		콘크리트포장	
044			N-BLOCK04		블록포장1	
045			N-BRICK05		블록포장2	
046			N-BLOCK02		블록포장3	
047			M-GREEN01		조경구역	
048	건축구조	지정/미장	M-EARTH01		지반(GROUND)	
049			N-SANDS01		시멘트, 몰탈	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
050	건축구조	지정/미장	N-CONCP01		무근콘크리트	
051			N-SANDG02		숏크리트	
052			N-CONCR01		철근콘크리트	
053			N-SANDS01		모래	
054			N-GRAVL01		자갈	
055		재료/조적	X-WOODG01		목재	
056			D-DASHL02		석재	
057			D-DASHL03		인조석	
058			C-NETSQ01		블록	
059			C-LINES01		벽돌	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
060	건축구조	재료/조적	C-LINEM02		강(STEEL)	
061			C-LINEM04		플라스틱	
062			E-GEORM01		석고(GYPSUM)	
063			B-ZIGZG04		합판(FLYWOOD)	
064			E-GEOTL01		고무	
065	건축부지	지질/지반	N-SANDG02		이탄토	
066			C-NETDA01		붕적토	
067			C-LINES01		실트	
068			C-LINEM02		점토	
069			N-SANDS01		모래	

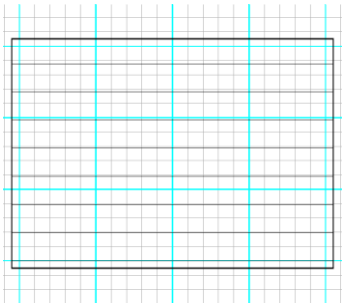
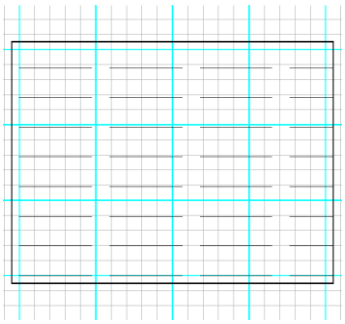
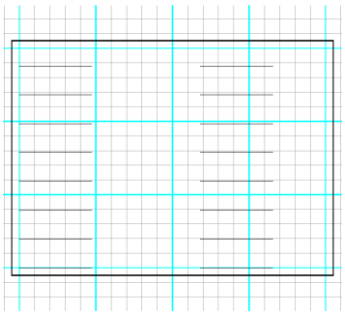
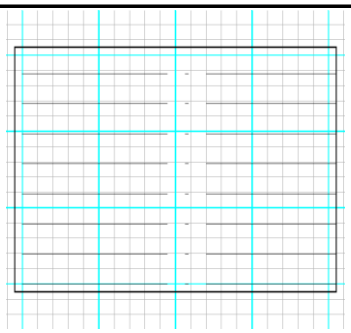
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
070	건축부지	지질/지반	N-SANDG01		몰탈	
071			N-GRAVL01		자갈	
072			N-GRAVL03		호박돌	
073			N-STONE01		전석	
074			E-GEOCD02		실트질 모래	
075			E-GEOED02		실트질 자갈	
076			E-GEOCD03		점토질 모래	
077			E-GEOED03		점토질 자갈	
078			N-SANDG03		자갈질 모래	
079			C-DASHS02		표토	

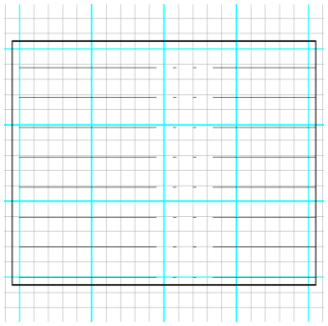
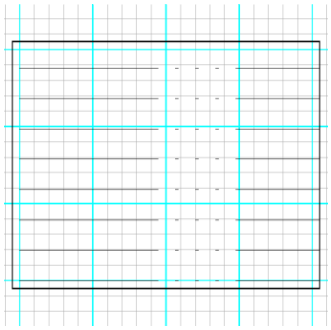
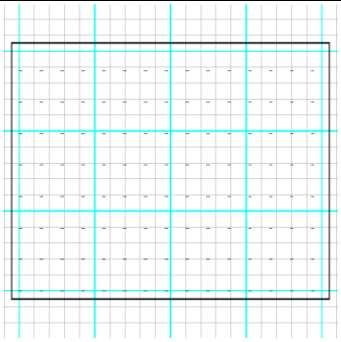
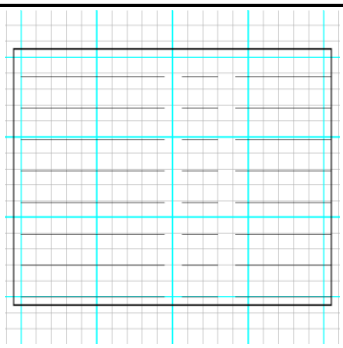
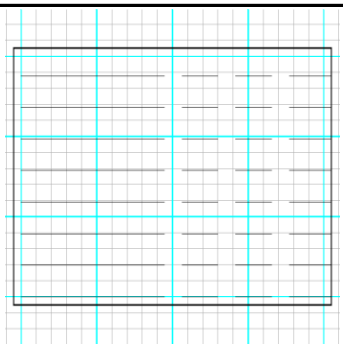
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
080	건축부지	지질/지반	C-DASHM02		퇴적토	
081			D-DASHL02		매립토	
082			E-GEOCK01		사질토	
083			N-SANDM01		풍화토	
084			B-ZIGZG02		취약암	
085			B-ZIGZG03		퇴적암	
086			M-CROSS08		풍화암	
087			M-CROSS06		연암	
088			M-CROSS05		보통암	
089			M-CROSS04		경암	

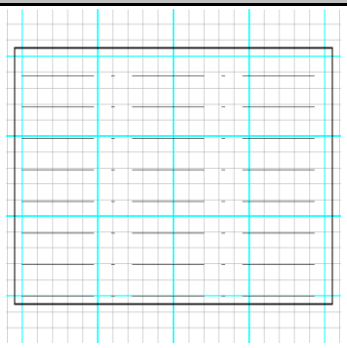
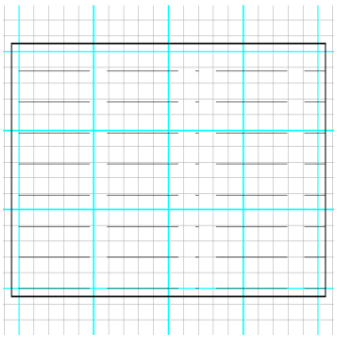
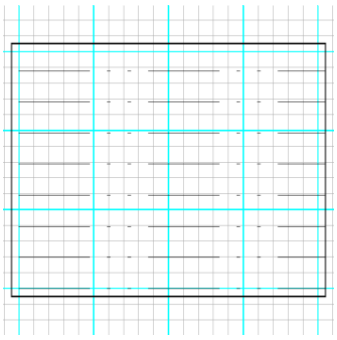
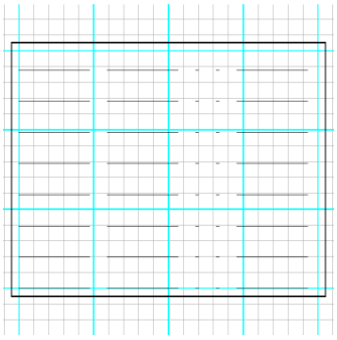
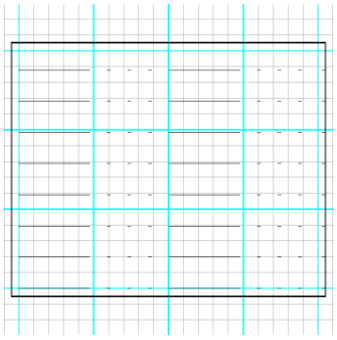
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
090	건축부지	지질/지반	M-CROSS01		극경암	
091	기타	KEY PLAN	M-DOTGD01		KEY PLAN 대상영역	

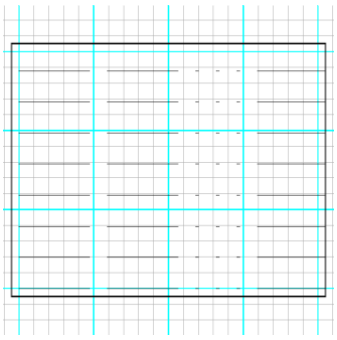
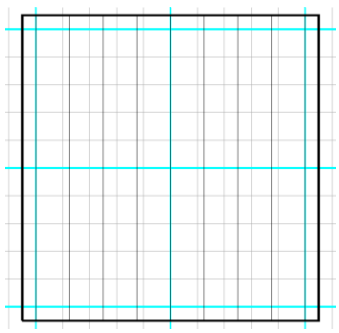
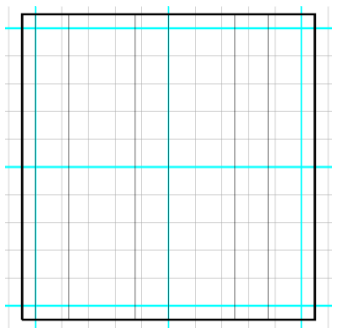
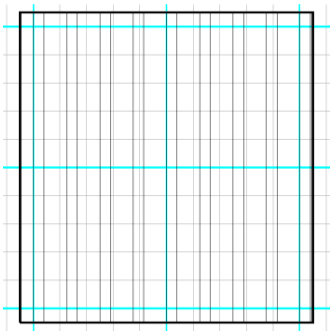
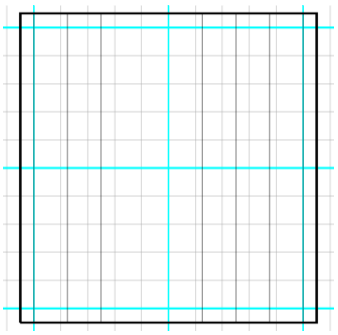
4. 기계설비분야 해칭 목록

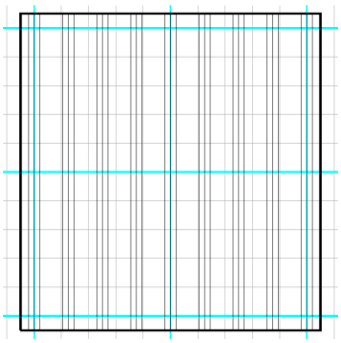
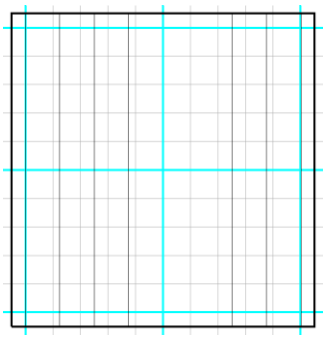
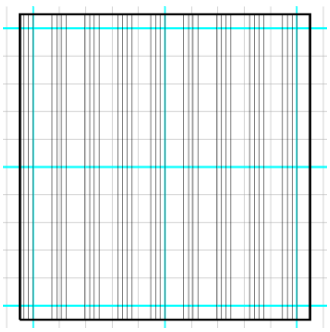
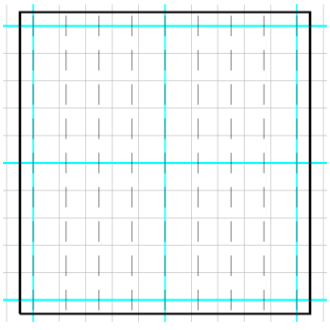
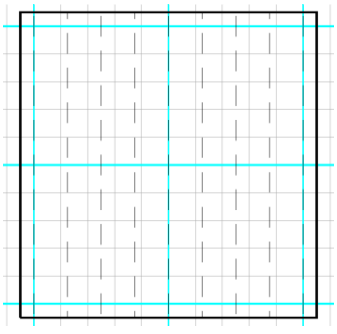
기계설비분야해칭목록

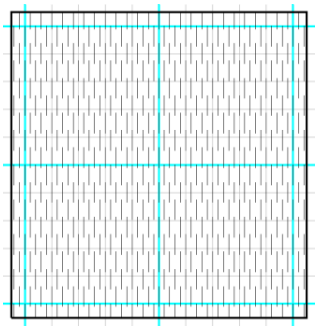
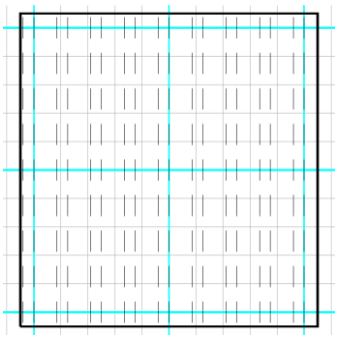
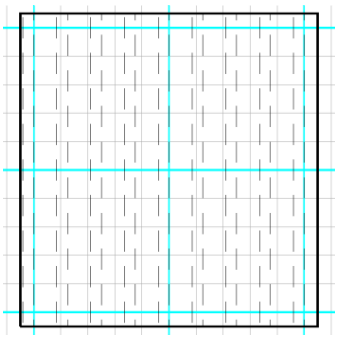
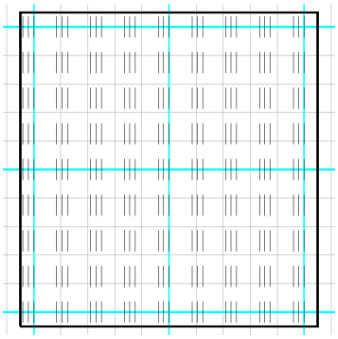
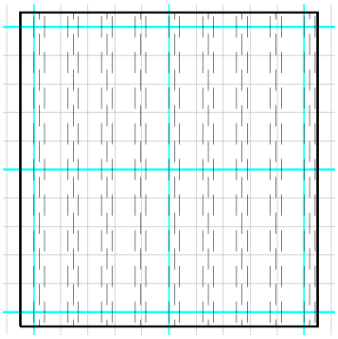
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	

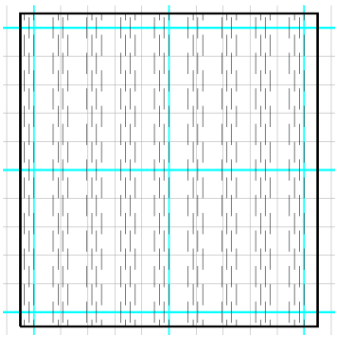
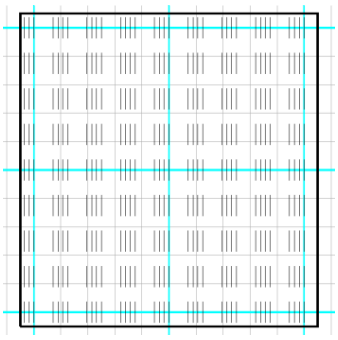
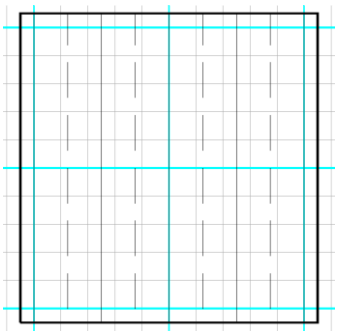
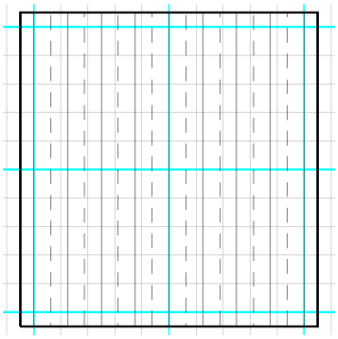
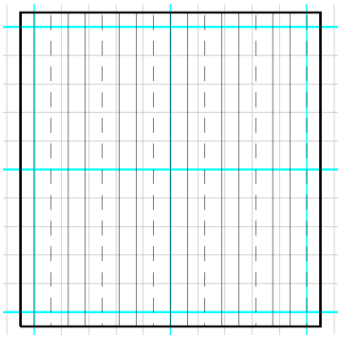
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
005	공통	ISO 국제규격	A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	

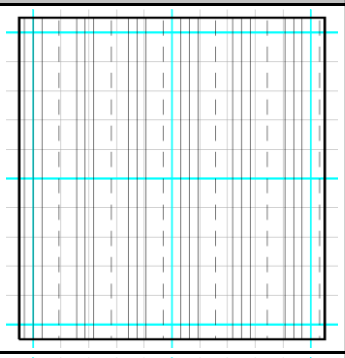
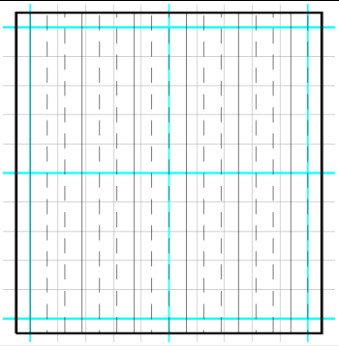
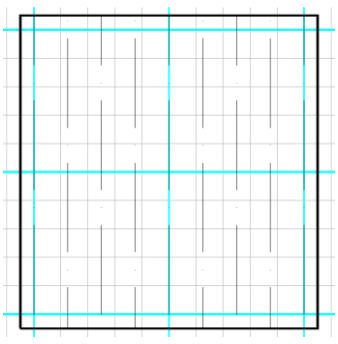
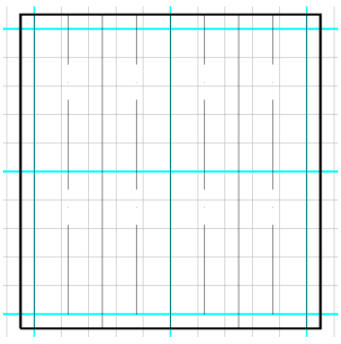
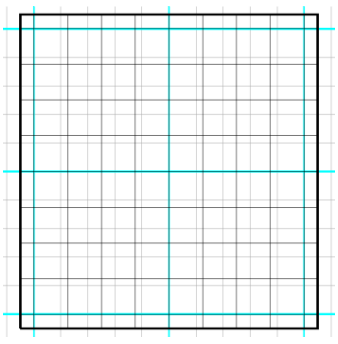
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
010	공통	ISO 국제규격	A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	

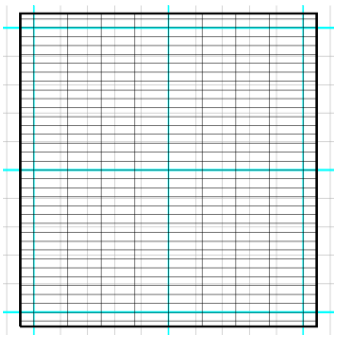
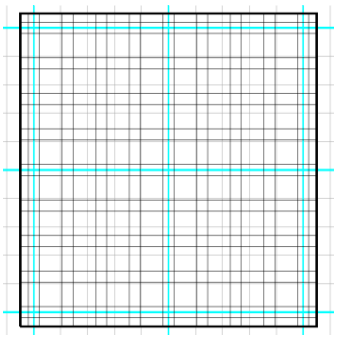
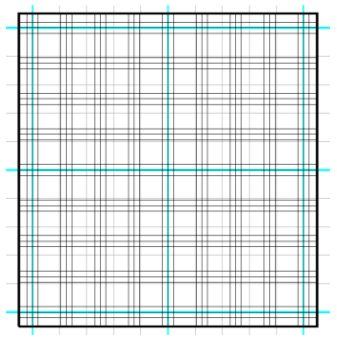
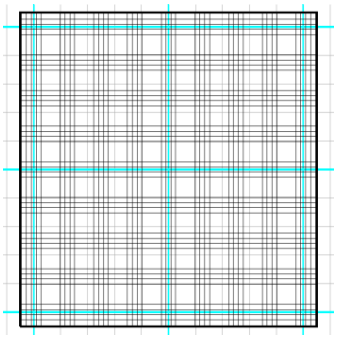
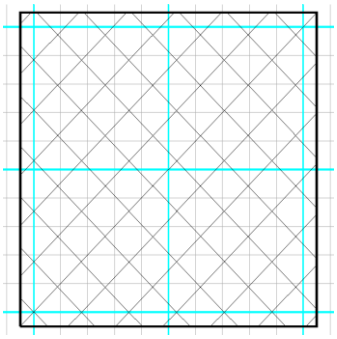
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
015	공통	ISO 국제규격	A-ISONS15		ISO 국제규격 15	
016		실선 무늬	C-LINES01		단일 수직선	
017			C-LINEM01		2중 수직선(일반)	
018			C-LINEM02		2중 수직선(조밀)	
019			C-LINEM03		3중 수직선(일반)	

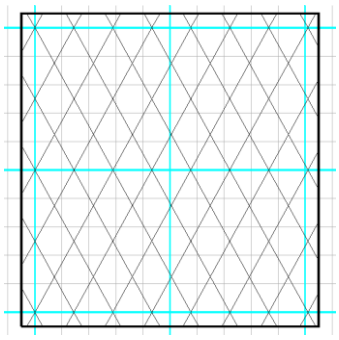
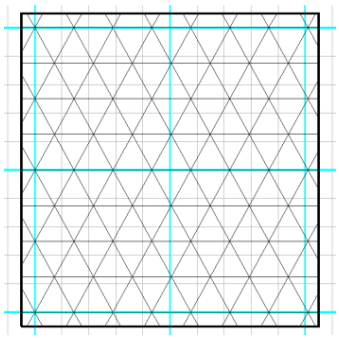
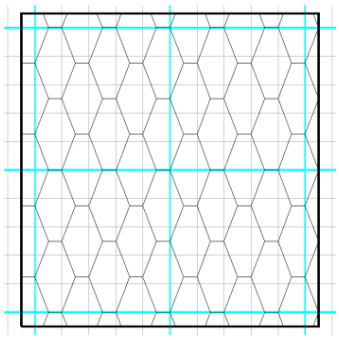
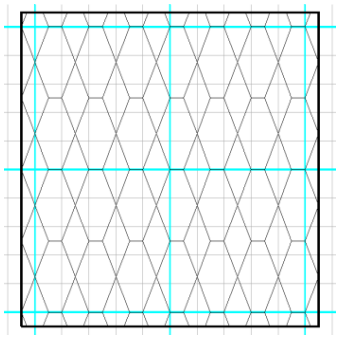
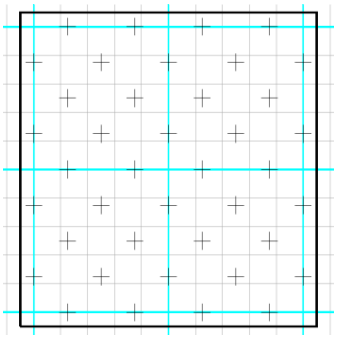
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
020	공통	실선 무늬	C-LINEM04		3중 수직선(조밀)	
021			C-LINEM05		4중 수직선(일반)	
022			C-LINEM06		4중 수직선(조밀)	
023		파선 무늬	C-DASHS01		파선 수직선(일반)	
024			C-DASHS02		파선 수직선(엇갈림)	

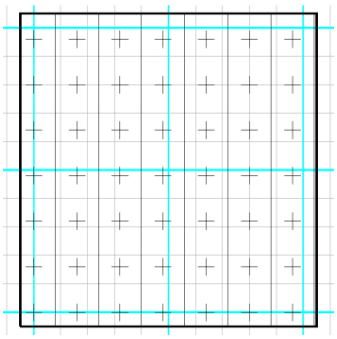
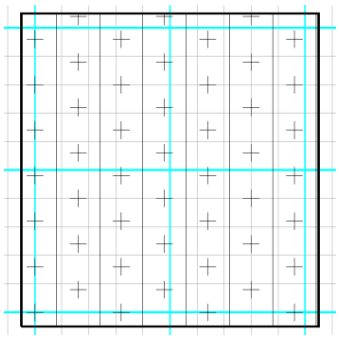
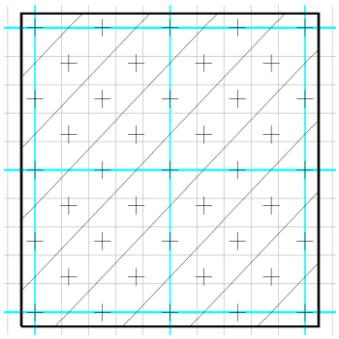
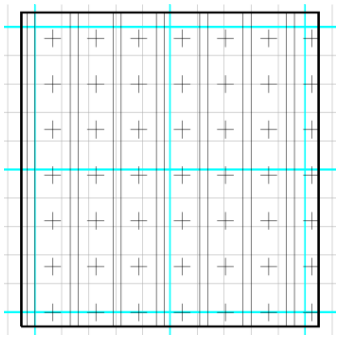
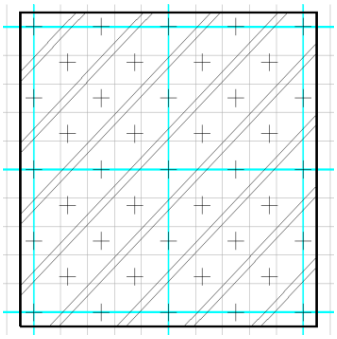
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
025	공통	파선 무늬	C-DASHS03		파선 수직선(조밀,엇갈림)	
026			C-DASHM01		2중 파선 수직선(일반)	
027			C-DASHM02		2중 파선 수직선(엇갈림)	
028			C-DASHM03		3중 파선 수직선(조밀)	
029			C-DASHM04		3중 파선 수직선(조밀,엇갈림)	

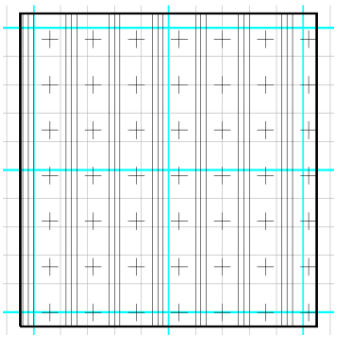
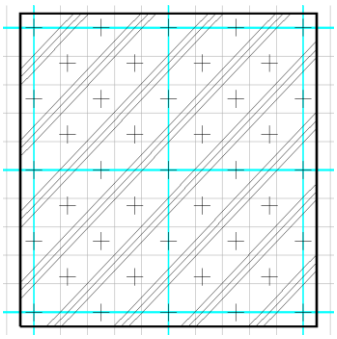
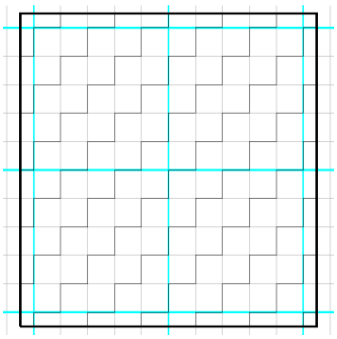
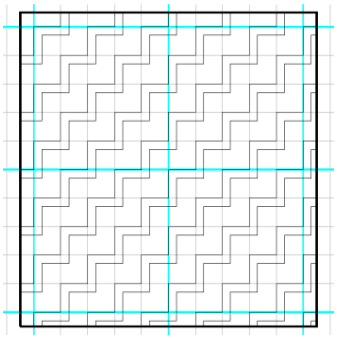
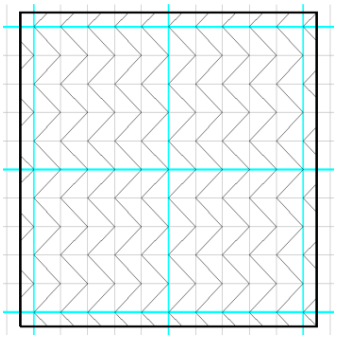
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
030	공통	파선 무늬	C-DASHM05		4중 파선 수직선(조밀,엇갈림)	
031			C-DASHM06		4중 파선 수직선(조밀)	
032		실선조합 무늬	D-DASHL01		수직선 파선 반복(일반)	
033			D-DASHL02		수직선 파선 반복(조밀)	
034			D-DASHL03		2수직선 파선 반복(조밀)	

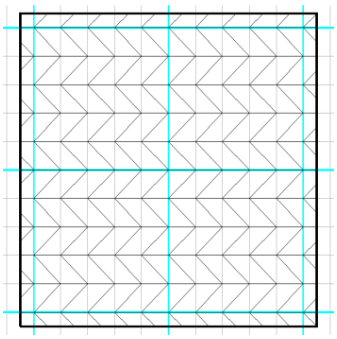
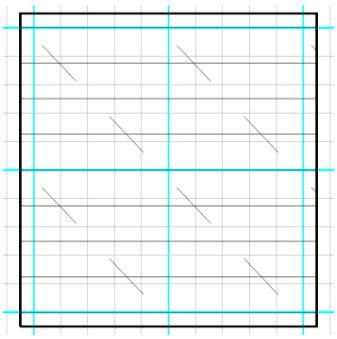
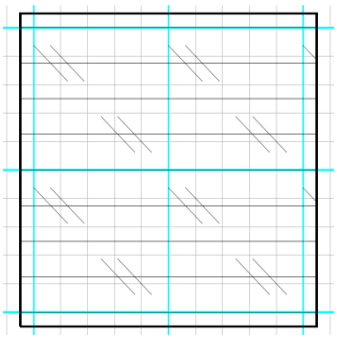
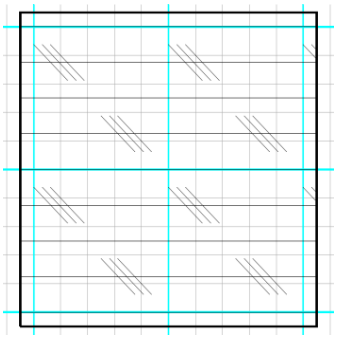
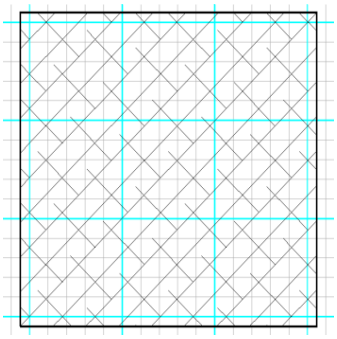
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
035	공통	실선조합 무늬	D-DASHL04		3수직선 파선 반복(조밀)	
036			D-DASHL05		수직선 2파선 반복(조밀)	
037			C-LNDOT01		수직선 점선(일반)	
038			C-LNDOT02		수직선/수직 점선 반복(일반)	
039		실선교차 무늬	C-GRIDS01		실선 교차(일반)	

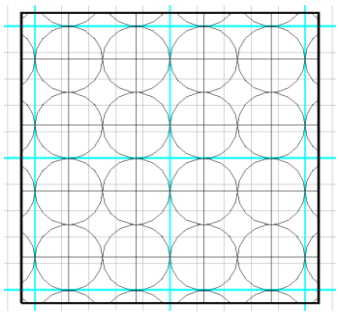
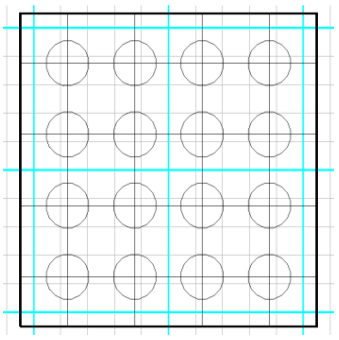
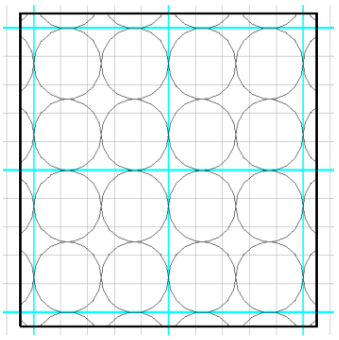
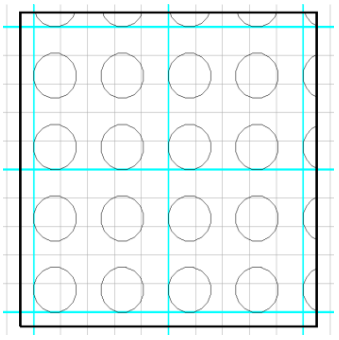
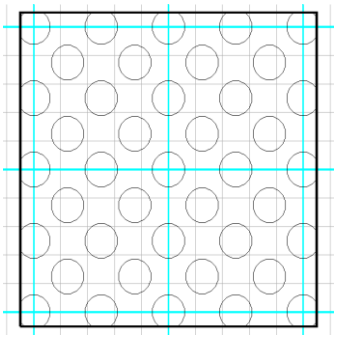
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
040	공통	실선교차 무늬	C-GRIDS02		실선 교차(그레이팅)	
041			C-GRIDM01		2실선 교차	
042			C-GRIDM02		3실선 교차	
043			C-GRIDM03		4실선 교차	
044			C-NETSQ01		실선 사각교차(일반)	

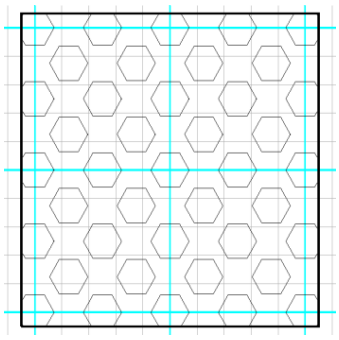
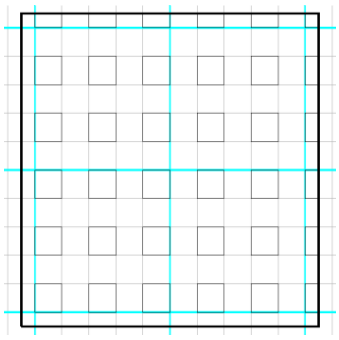
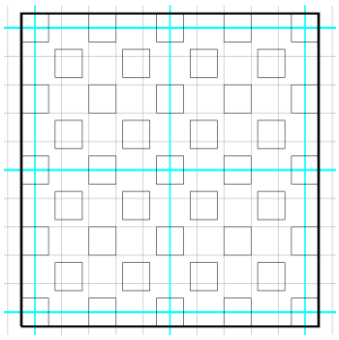
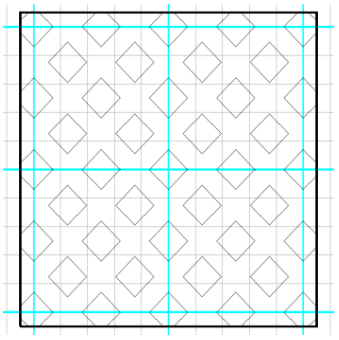
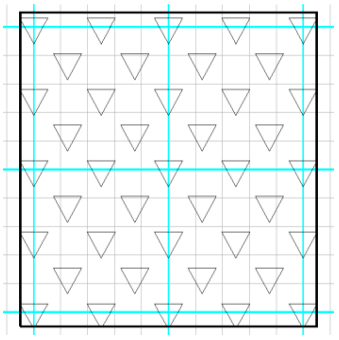
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
045	공통	실선교차 무늬	C-NETDA01		실선 마름모교차(일반)	
046			C-NETDA02		실선 마름모교차(횡선)	
047			C-NETWR01		철망형 교차(일반)	
048			C-NETWR02		철망형 교차(변형)	
049		십자 무늬	M-CROSS01		십자무늬	

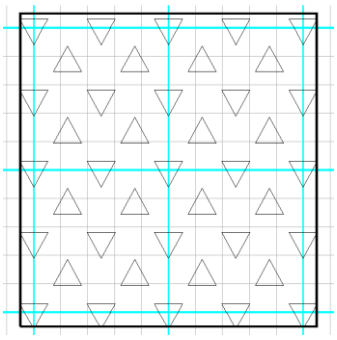
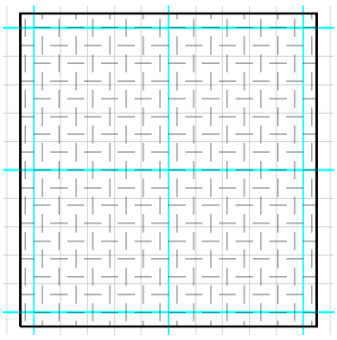
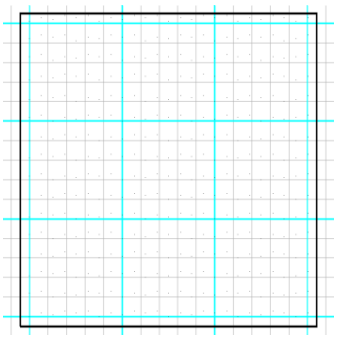
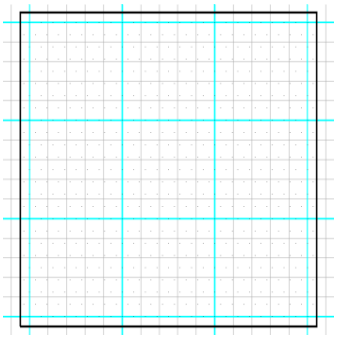
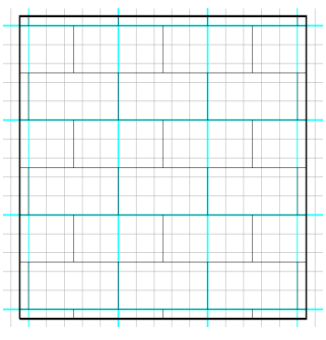
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
050	공통	십자 무늬	M-CROSS02		십자 수직선 반복(일반)	
051			M-CROSS03		십자엇갈림 수직선 반복	
052			M-CROSS04		십자 사선 반복(일반)	
053			M-CROSS05		십자 2수직선 반복	
054			M-CROSS06		십자 2사선 반복	

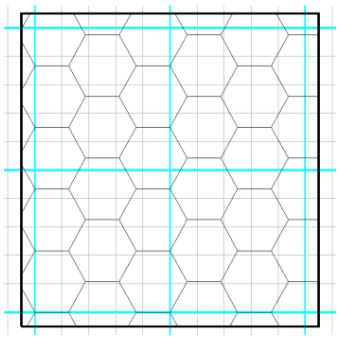
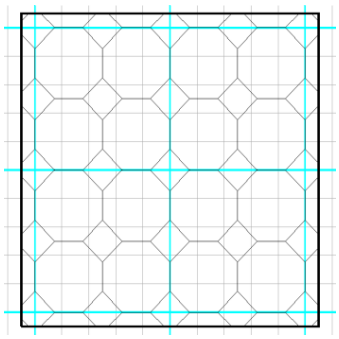
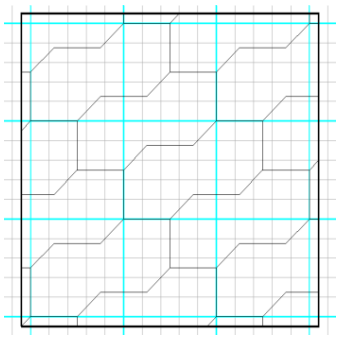
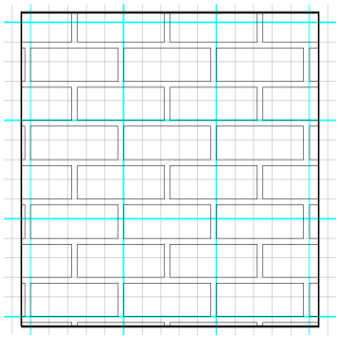
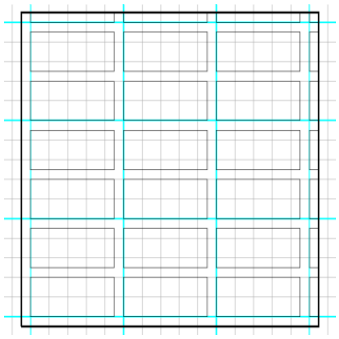
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
055	공통	십자 무늬	M-CROSS07		십자 3수직선 반복	
056			M-CROSS08		십자 3사선 반복	
057		지그재그 무늬	B-ZIGZG01		사각 지그재그(일반)	
058			B-ZIGZG02		사각 2지그재그(일반)	
059			B-ZIGZG03		수직 지그재그	

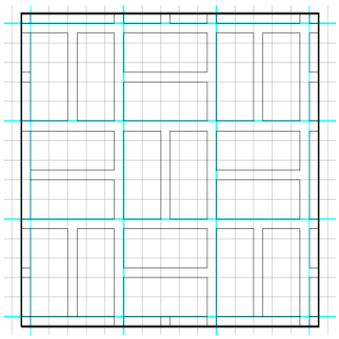
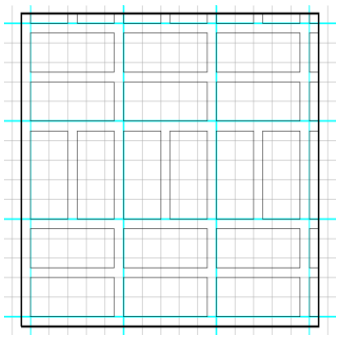
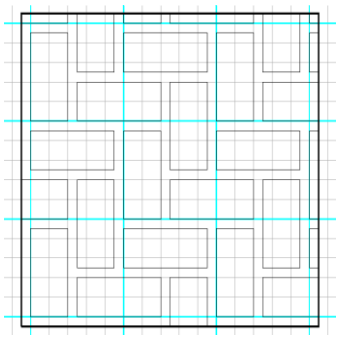
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
060	공통	지그재그 무늬	B-ZIGZG04		수직 지그재그 수평선	
061		사선교차	E-SLASH01		수평선 1사선 교차(일반)	
062			E-SLASH02		수평선 2사선 교차	
063			E-SLASH03		수평선 3사선 교차	
064			E-SLASH04		사선 파선 엇갈림교차	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
065	공통	원형 및 다각형	E-CIRNT01		네트 큰원(일반)	
066			E-CIRNT02		네트 작은 원	
067			N-CIRCL01		큰원 무늬(일반)	
068			N-CIRCL02		작은원 무늬	
069			N-CIRCL03		작은원(사각)	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
070	공통	원형 및 다각형	N-HEXGN01		작은 6각형(엇갈림)	
071		네모 무늬	N-SQUAR01		네모 무늬(일반)	
072			N-SQUAR02		네모 무늬(엇갈림)	
073			N-SQUAR03		네모 무늬(사각)	
074		삼각형 무늬	N-TRIAG01		역삼각형(엇갈림)	

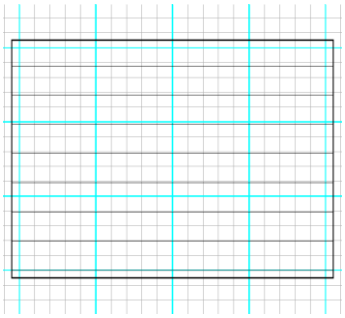
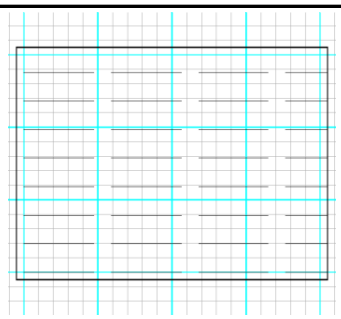
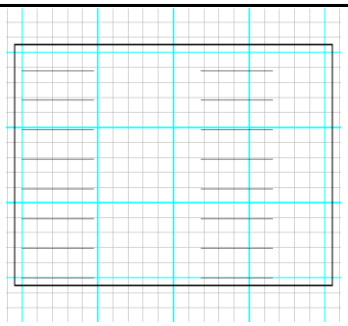
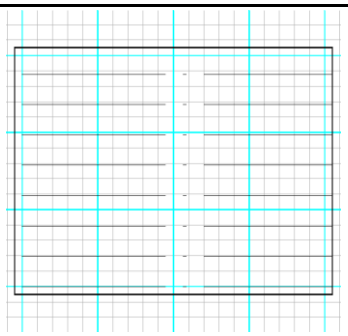
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
075	공통	삼각형 무늬	N-TRIAG02		삼각형 교대(엇갈림)	
076		체크무늬	F-CHECK01		무늬판	
077		점(DOTS)	M-DOTRM01		점 자유 배치	
078			M-DOTGD01		점 그리드 배치	
079		블록	N-BLOCK01			

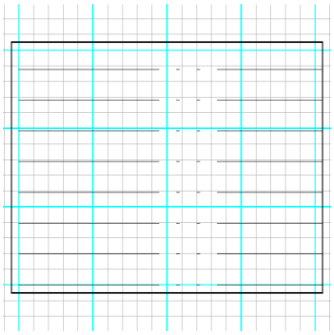
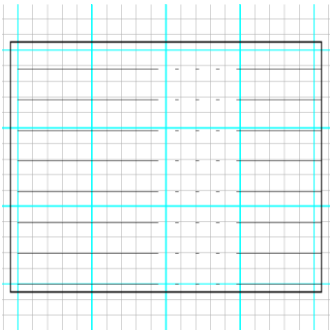
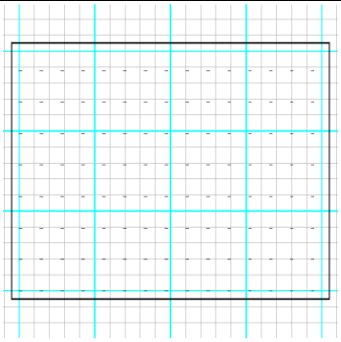
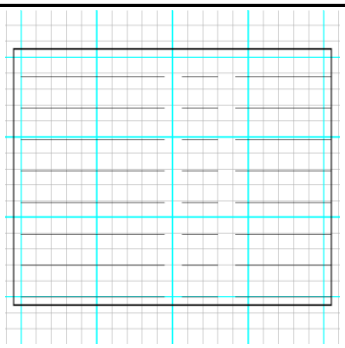
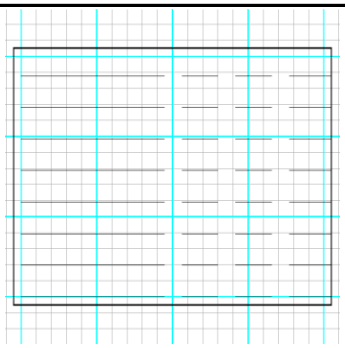
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
080	공통	블록	N-BLOCK02		6각형 블록(엇갈림)	
081			N-BLOCK03		6각형 블록	
082			N-BLOCK04		보도블록	
083		벽돌	N-BRICK01		벽돌쌓기(엇갈림)	
084			N-BRICK02		벽돌쌓기	

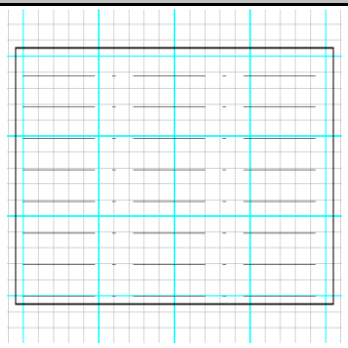
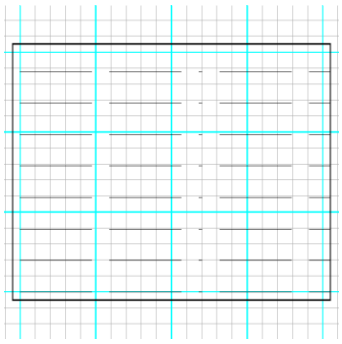
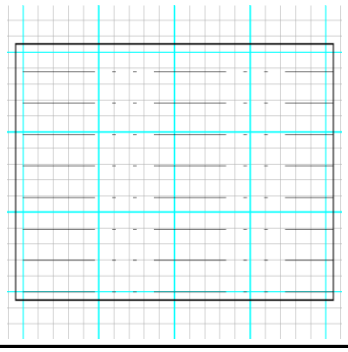
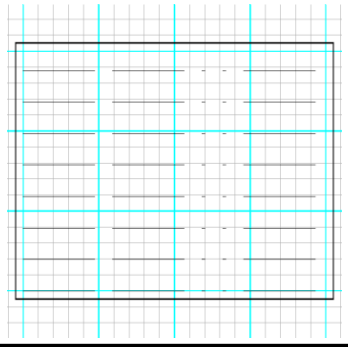
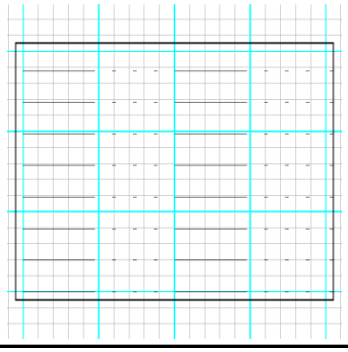
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
085	공통	벽돌	N-BRICK03		벽돌쌓기(2중 교대)	
086			N-BRICK04		벽돌쌓기(2중 열)	
087			N-BRICK05		벽돌쌓기(엇갈림 열)	

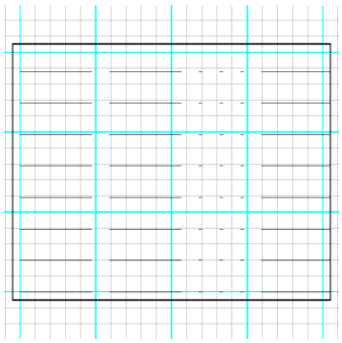
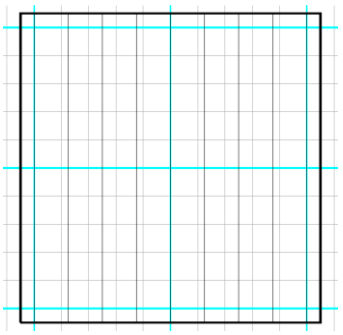
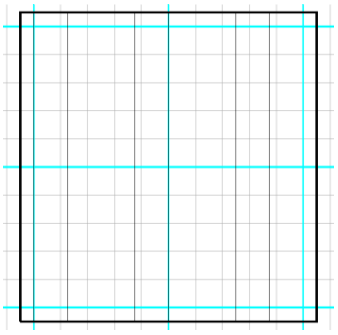
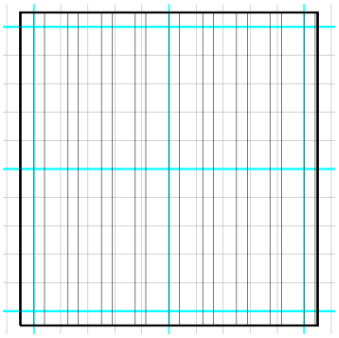
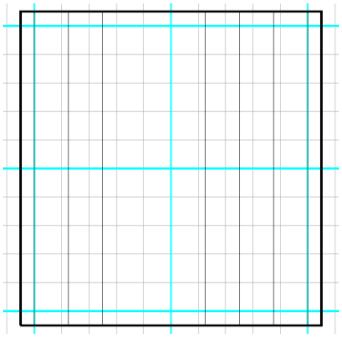
5. 전기설비분야 해칭 목록

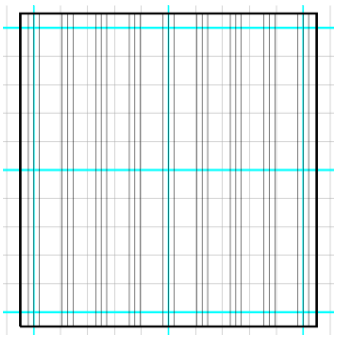
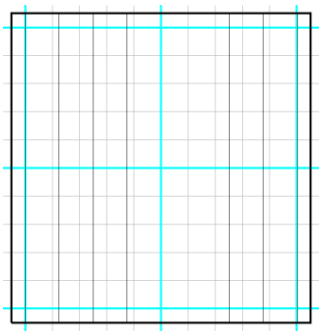
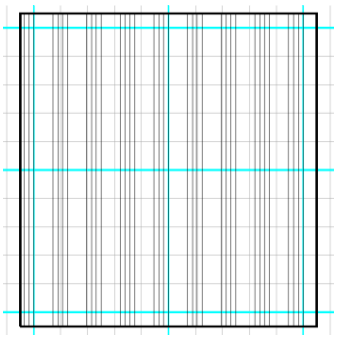
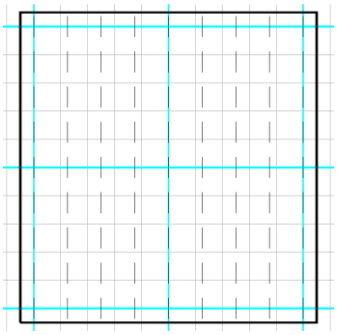
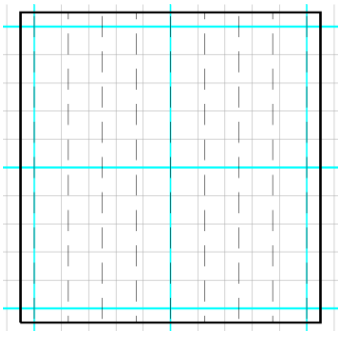
전기설비분야해칭목록

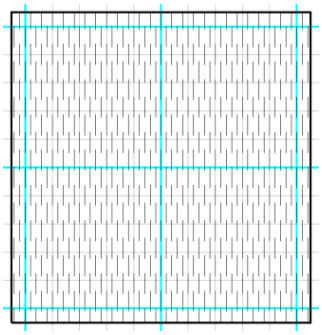
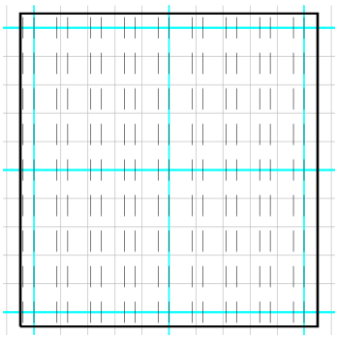
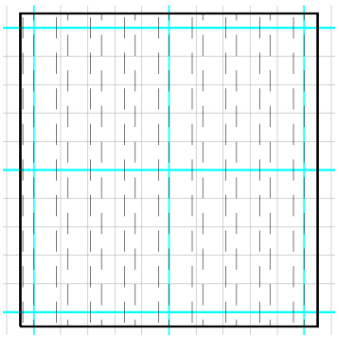
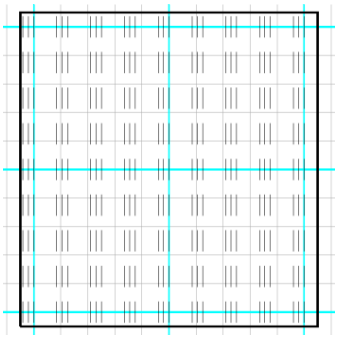
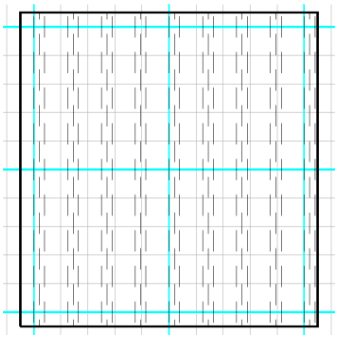
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	

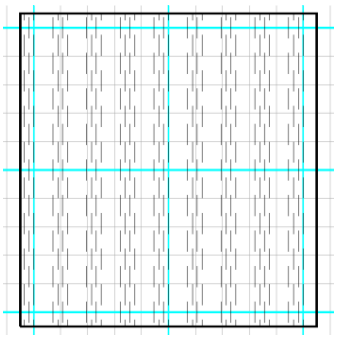
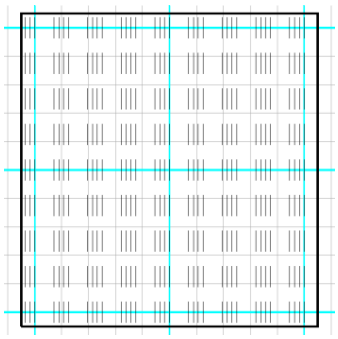
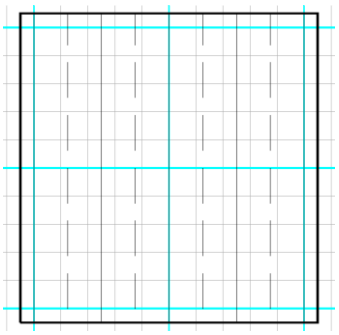
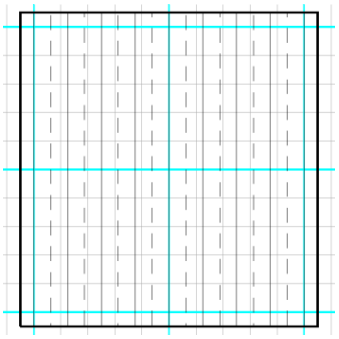
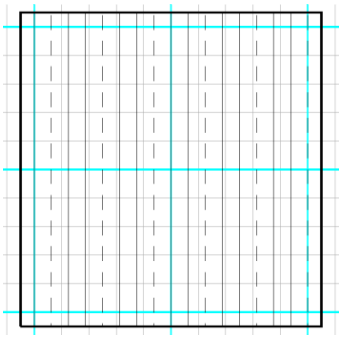
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
005	공통	ISO 국제규격	A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	

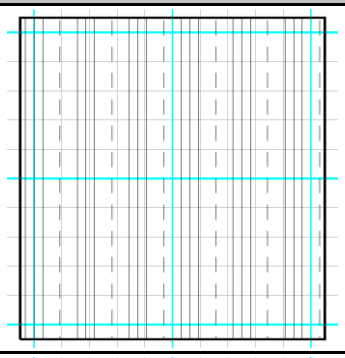
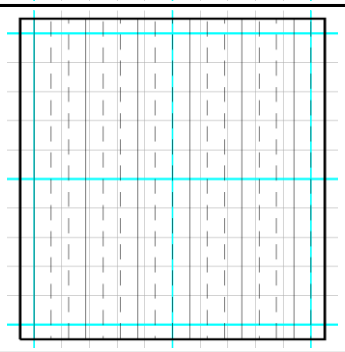
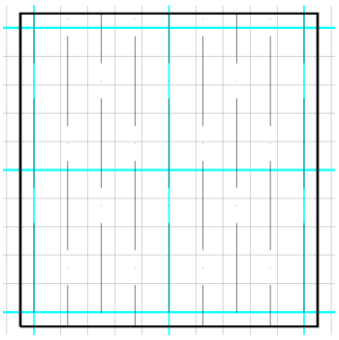
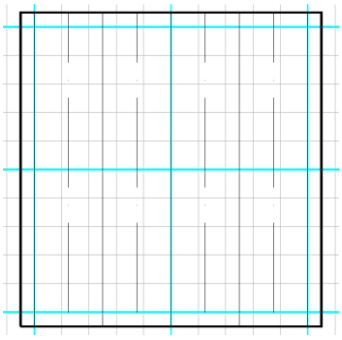
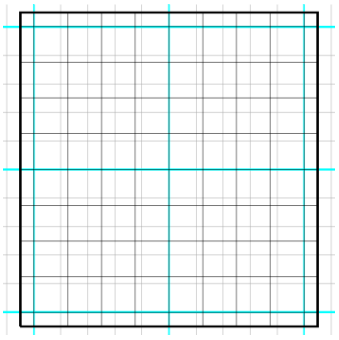
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
010	공통	ISO 국제규격	A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	

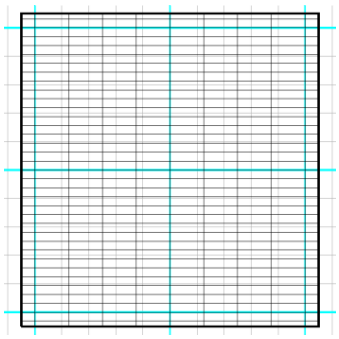
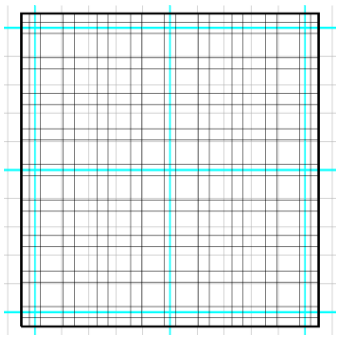
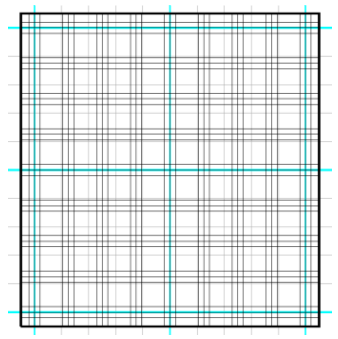
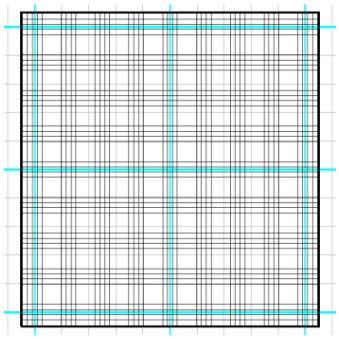
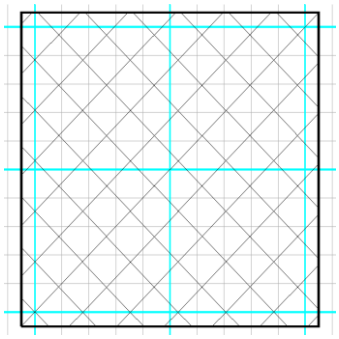
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
015	공통	ISO 국제규격	A-ISONS15		ISO 국제규격 15	
016		실선 무늬	C-LINES01		단일 수직선	
017			C-LINEM01		2중 수직선(일반)	
018			C-LINEM02		2중 수직선(조밀)	
019			C-LINEM03		3중 수직선(일반)	

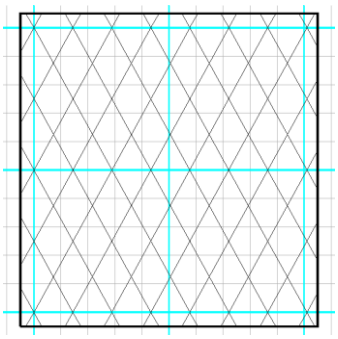
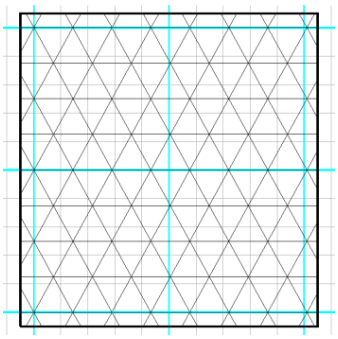
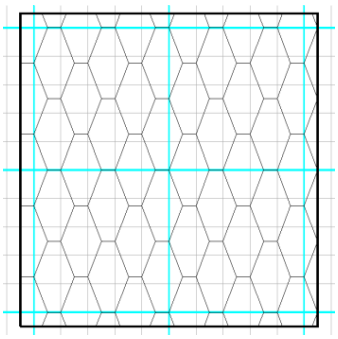
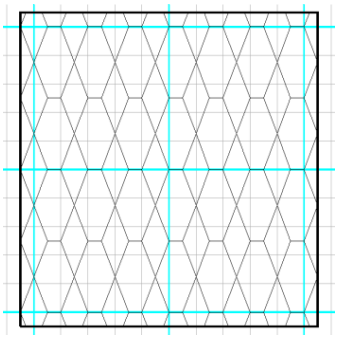
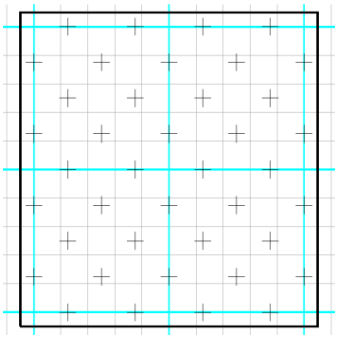
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
020	공통	실선무늬	C-LINEM04		3중 수직선(조밀)	
021			C-LINEM05		4중 수직선(일반)	
022			C-LINEM06		4중 수직선(조밀)	
023		파선 무늬	C-DASHS01		파선 수직선(일반)	
024			C-DASHS02		파선 수직선(엇갈림)	

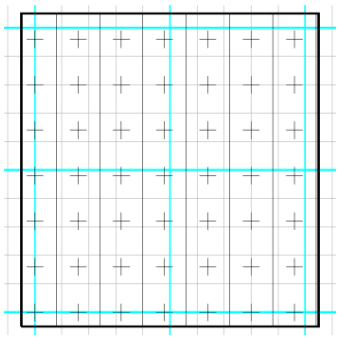
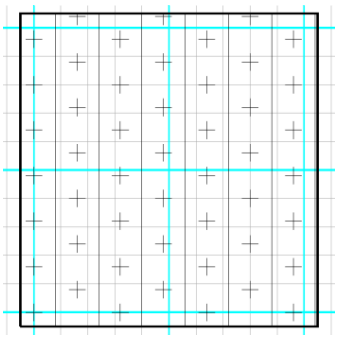
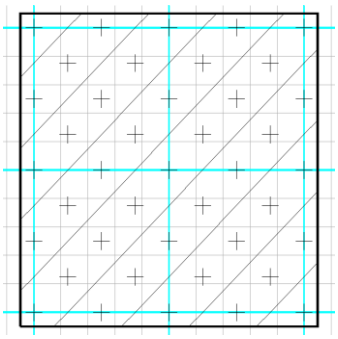
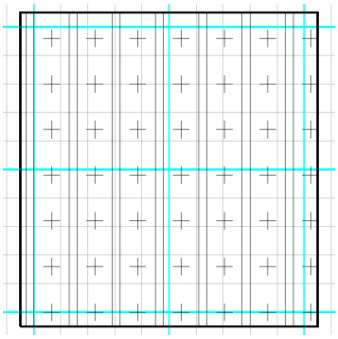
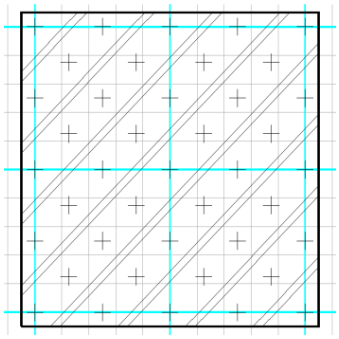
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
025	공통	파선 무늬	C-DASHS03		파선 수직선(조밀,엇갈림)	
026			C-DASHM01		2중 파선 수직선(일반)	
027			C-DASHM02		2중 파선 수직선(엇갈림)	
028			C-DASHM03		3중 파선 수직선(조밀)	
029			C-DASHM04		3중 파선 수직선(조밀,엇갈림)	

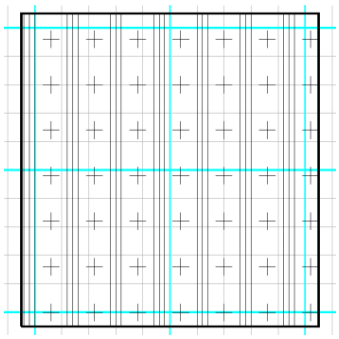
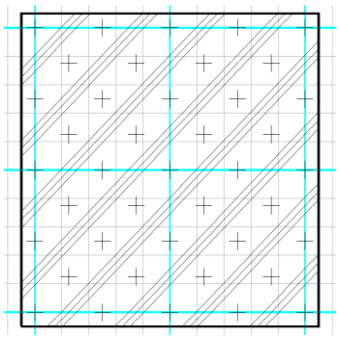
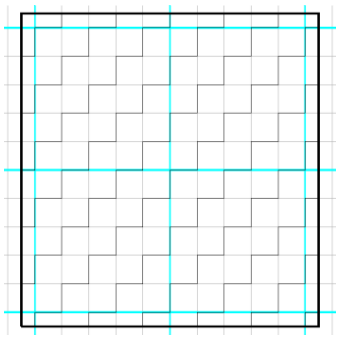
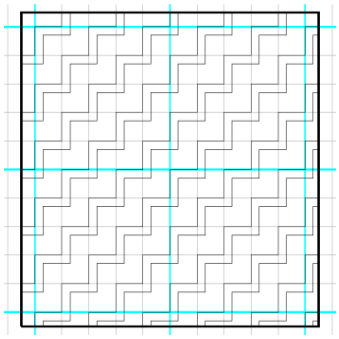
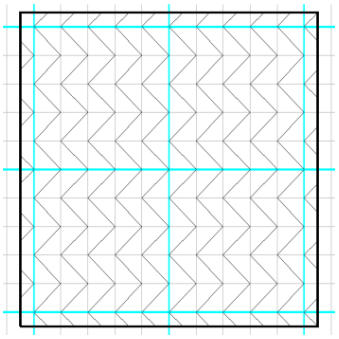
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
030	공통	파선 무늬	C-DASHM05		4중 파선 수직선(조밀,엇갈림)	
031			C-DASHM06		4중 파선 수직선(조밀)	
032		실선조합 무늬	D-DASHL01		수직선 파선 반복(일반)	
033			D-DASHL02		수직선 파선 반복(조밀)	
034			D-DASHL03		2수직선 파선 반복(조밀)	

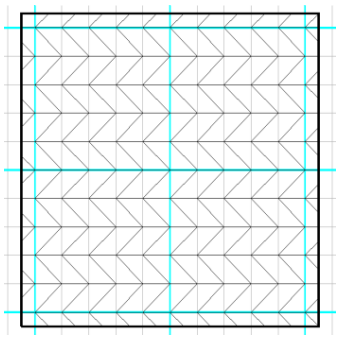
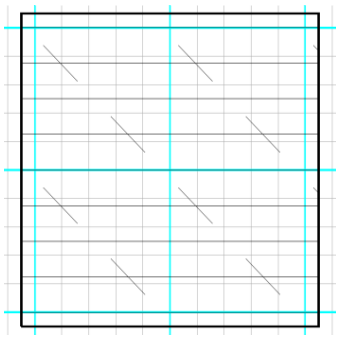
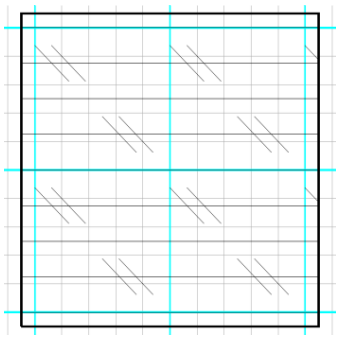
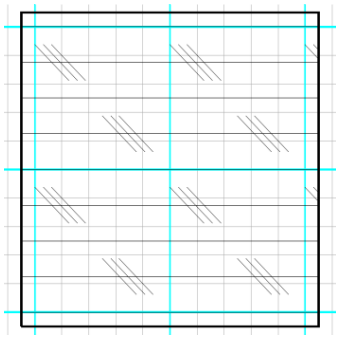
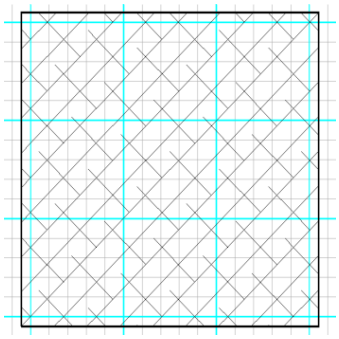
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
035	공통	실선조합 무늬	D-DASHL04		3수직선 파선 반복(조밀)	
036			D-DASHL05		수직선 2파선 반복(조밀)	
037			C-LNDOT01		수직선 점선(일반)	
038			C-LNDOT02		수직선/수직 점선 반복(일반)	
039		실선교차 무늬	C-GRIDS01		실선 교차(일반)	

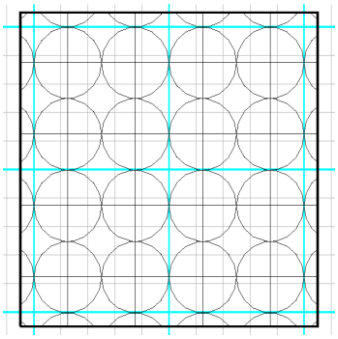
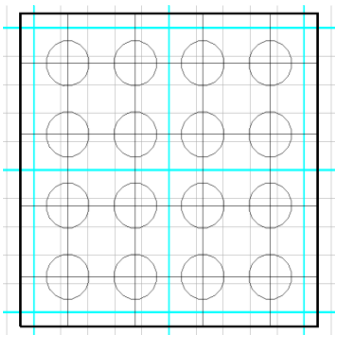
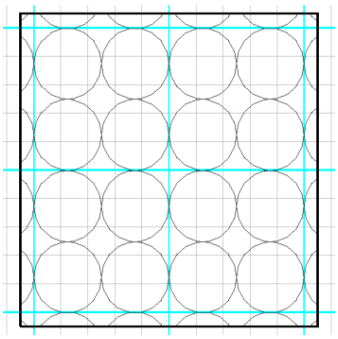
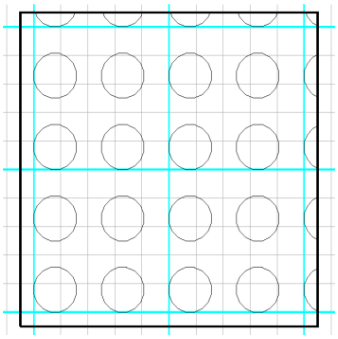
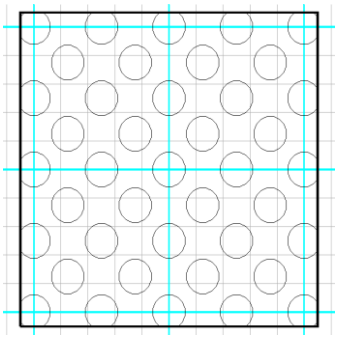
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
040	공통	실선교차 무늬	C-GRIDS02		실선 교차(그레이팅)	
041			C-GRIDM01		2실선 교차	
042			C-GRIDM02		3실선 교차	
043			C-GRIDM03		4실선 교차	
044			C-NETSQ01		실선 사각교차(일반)	

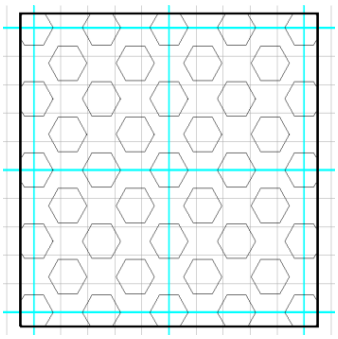
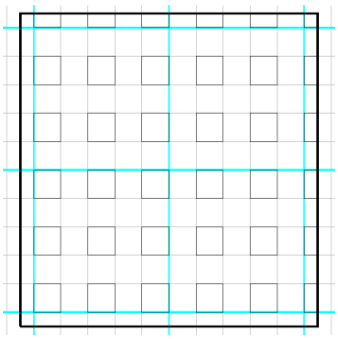
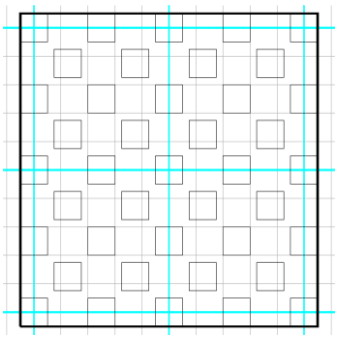
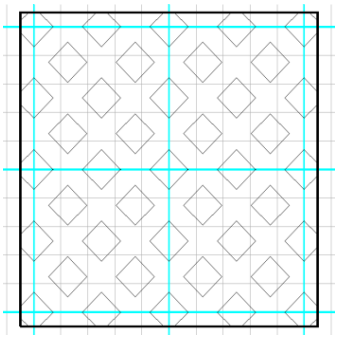
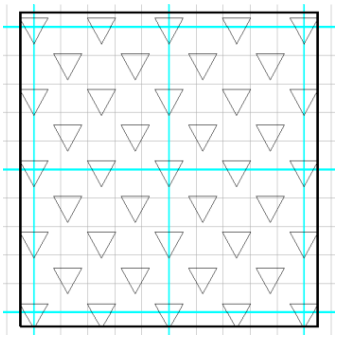
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
045	공통	실선교차 무늬	C-NETDA01		실선 마름모교차(일반)	
046			C-NETDA02		실선 마름모교차(횡선)	
047			C-NETWR01		철망형 교차(일반)	
048			C-NETWR02		철망형 교차(변형)	
049		십자 무늬	M-CROSS01		십자무늬	

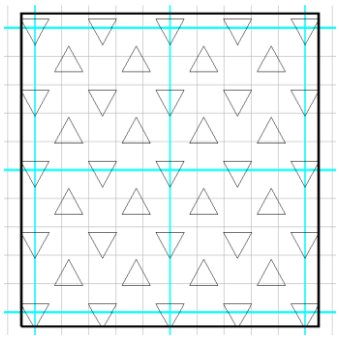
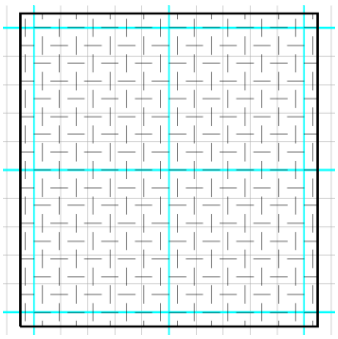
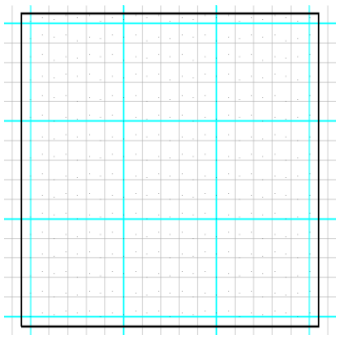
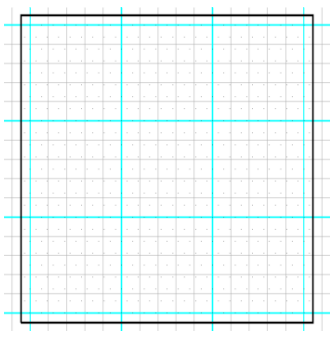
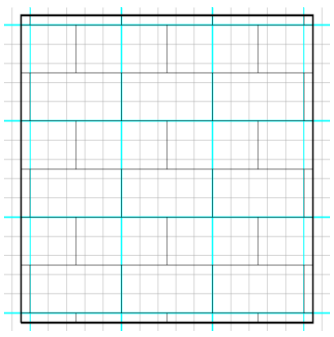
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
050	공통	십자 무늬	M-CROSS02		십자 수직선 반복(일반)	
051			M-CROSS03		십자엇갈림 수직선 반복	
052			M-CROSS04		십자 사선 반복(일반)	
053			M-CROSS05		십자 2수직선 반복	
054			M-CROSS06		십자 2사선 반복	

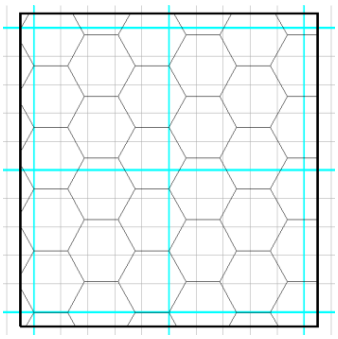
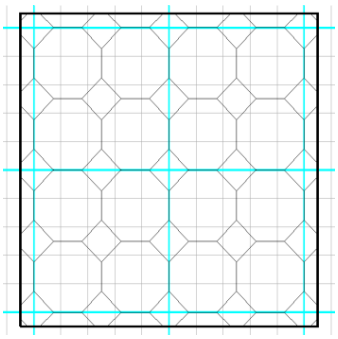
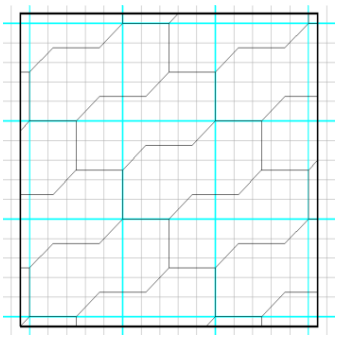
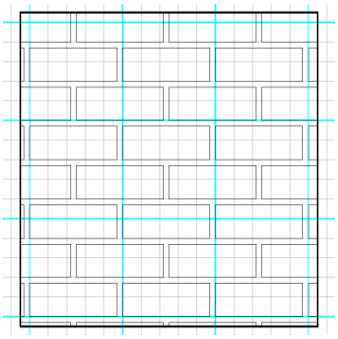
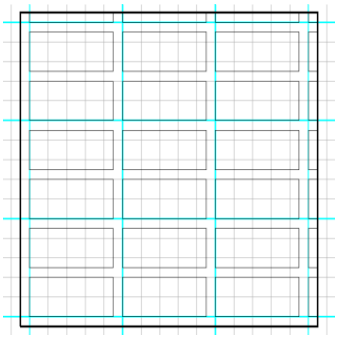
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
055	공통	십자 무늬	M-CROSS07		십자 3수직선 반복	
056			M-CROSS08		십자 3사선 반복	
057		지그재그 무늬	B-ZIGZG01		사각 지그재그(일반)	
058			B-ZIGZG02		사각 2지그재그(일반)	
059			B-ZIGZG03		수직 지그재그	

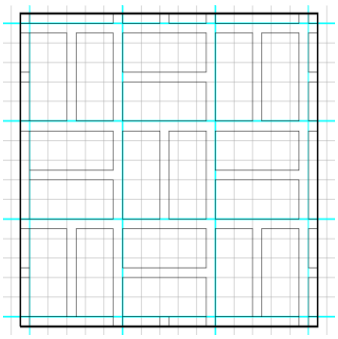
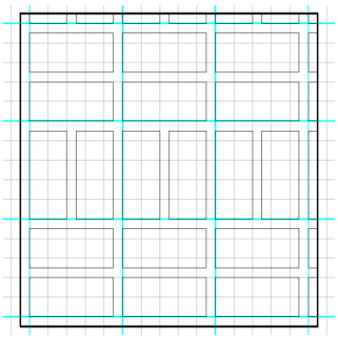
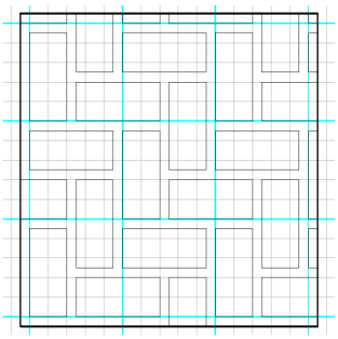
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
060	공통	지그재그 무늬	B-ZIGZG04		수직 지그재그 수평선	
061		사선교차	E-SLASH01		수평선 1사선 교차(일반)	
062			E-SLASH02		수평선 2사선 교차	
063			E-SLASH03		수평선 3사선 교차	
064			E-SLASH04		사선 파선 엇갈림교차	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
065	공통	원형 및 다각형	E-CIRNT01		네트 큰원(일반)	
066			E-CIRNT02		네트 작은 원	
067			N-CIRCL01		큰원 무늬(일반)	
068			N-CIRCL02		작은원 무늬	
069			N-CIRCL03		작은원(사각)	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
070	공통	원형 및 다각형	N-HEXGN01		작은 6각형(엇갈림)	
071		네모 무늬	N-SQUAR01		네모 무늬(일반)	
072			N-SQUAR02		네모 무늬(엇갈림)	
073			N-SQUAR03		네모 무늬(사각)	
074		삼각형 무늬	N-TRIAG01		역삼각형(엇갈림)	

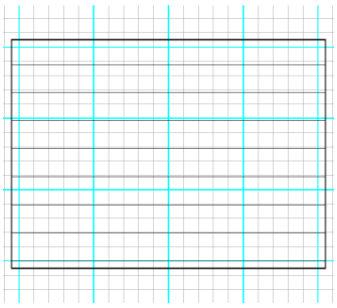
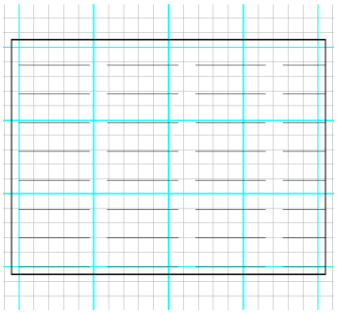
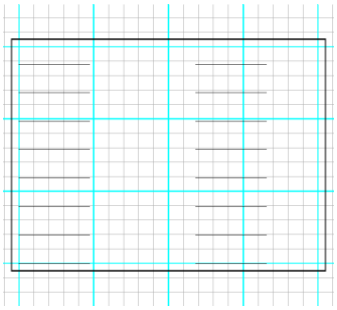
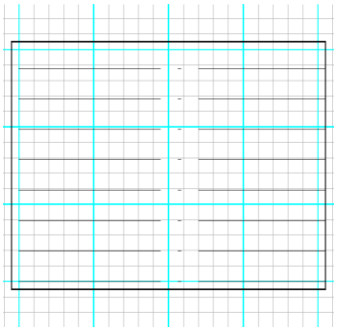
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
075	공통	삼각형 무늬	N-TRIAG02		삼각형 교대(엇갈림)	
076		체크무늬	F-CHECK01		무늬판	
077		점(DOTS)	M-DOTRM01		점 자유 배치	
078			M-DOTGD01		점 그리드 배치	
079		블록	N-BLOCK01		블록(일반)	

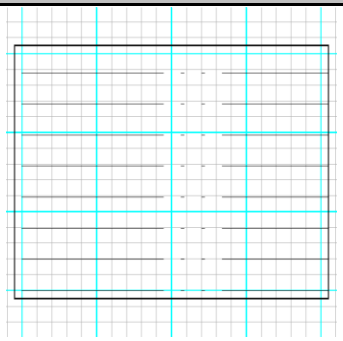
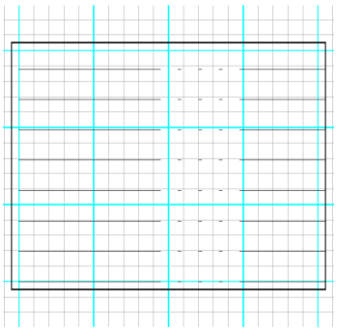
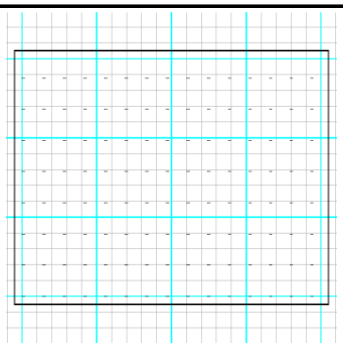
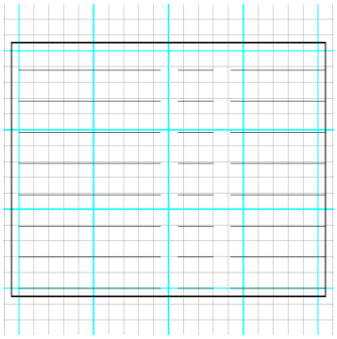
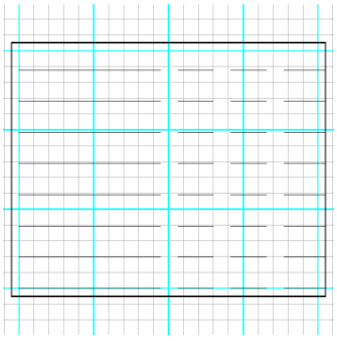
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
080	공통	블록	N-BLOCK02		6각형 블록(엇갈림)	
081			N-BLOCK03		6각형 블록	
082			N-BLOCK04		보도블록	
083		벽돌	N-BRICK01		벽돌쌓기(엇갈림)	
084			N-BRICK02		벽돌쌓기	

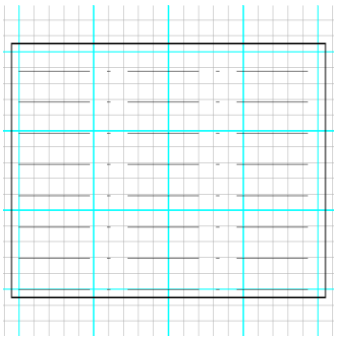
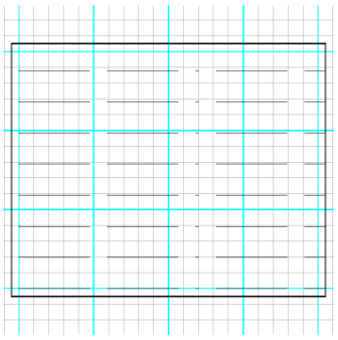
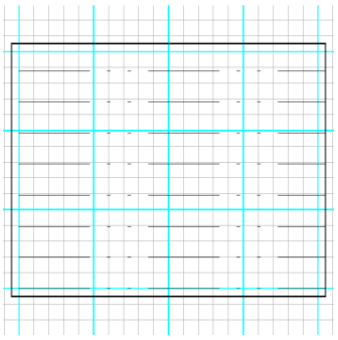
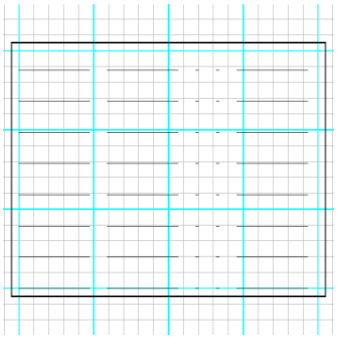
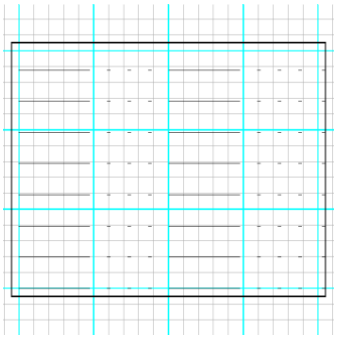
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
085	공통	벽돌	N-BRICK03		벽돌쌓기(2중 교대)	
086			N-BRICK04		벽돌쌓기(2중 열)	
087			N-BRICK05		벽돌쌓기(엇갈림 열)	

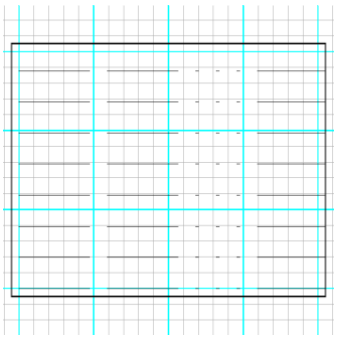
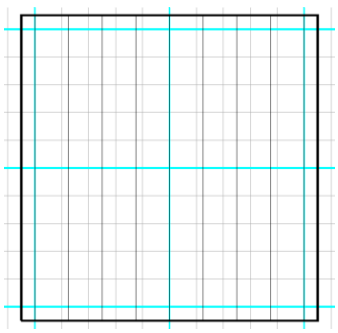
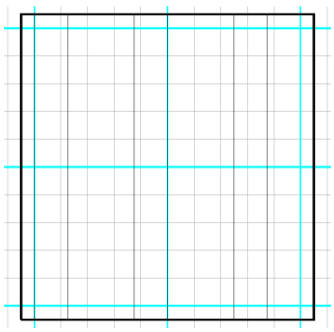
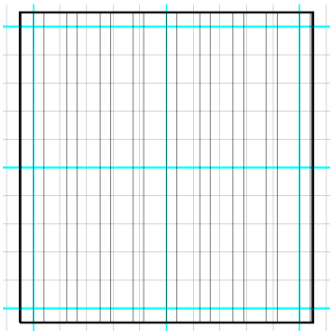
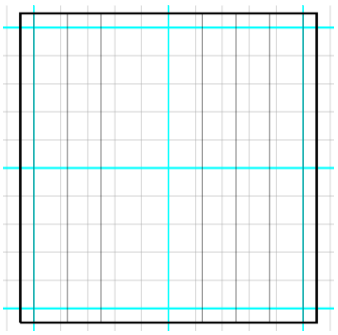
6. 통신설비분야 해칭 목록

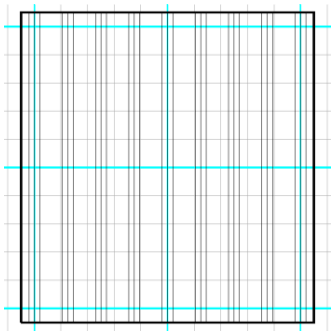
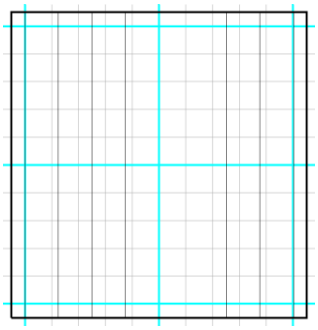
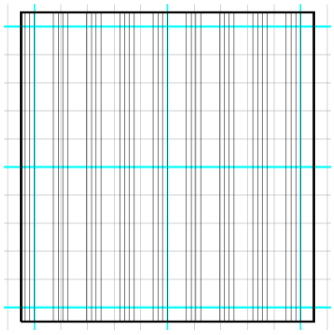
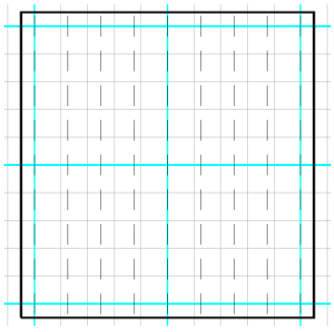
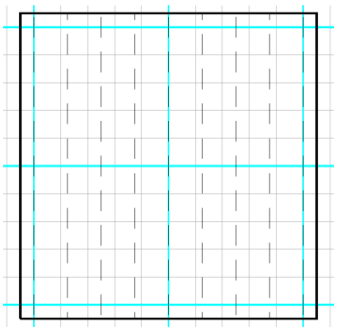
통신설비분야해칭목록

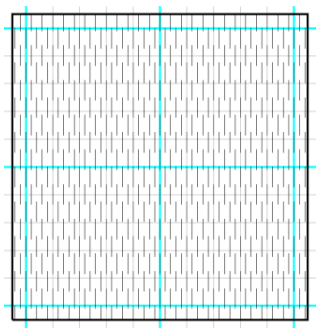
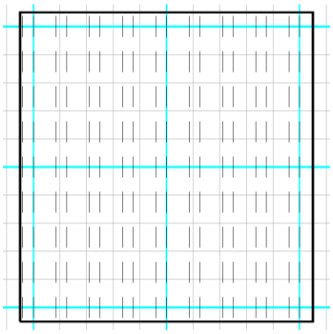
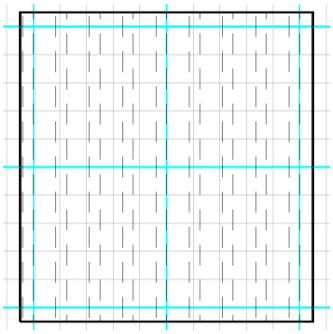
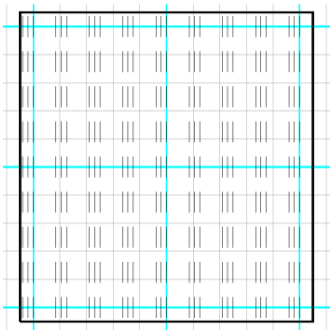
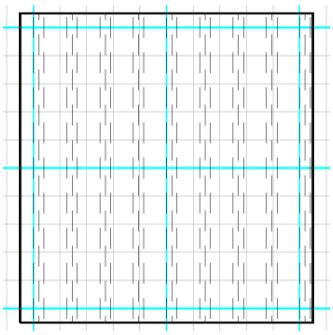
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	

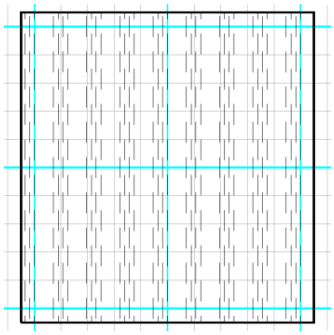
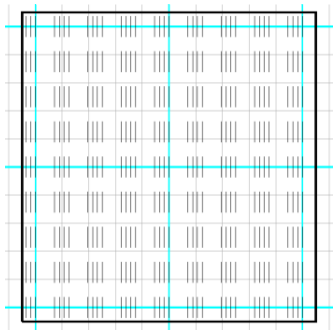
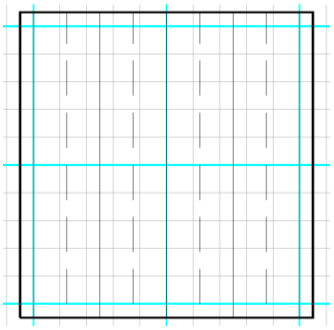
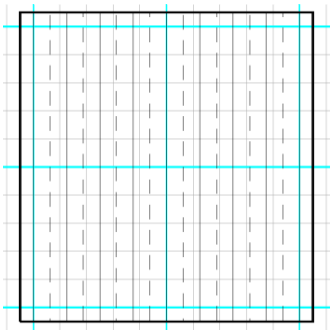
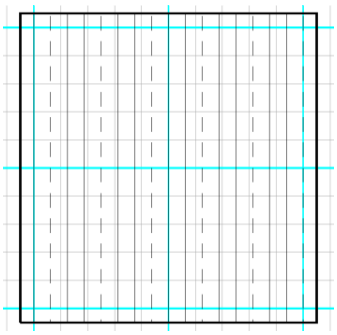
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
005	공통	ISO 국제규격	A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	

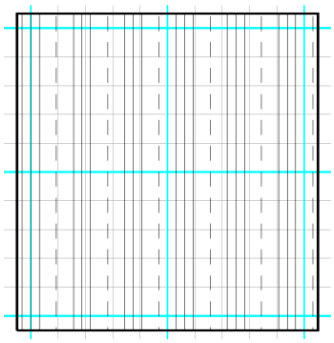
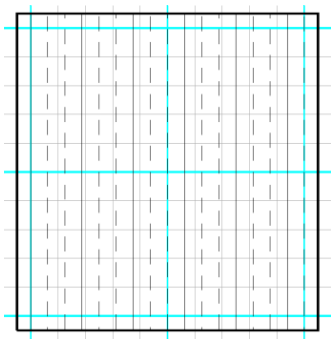
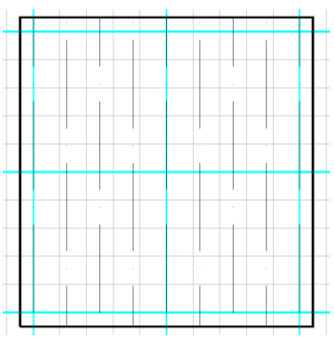
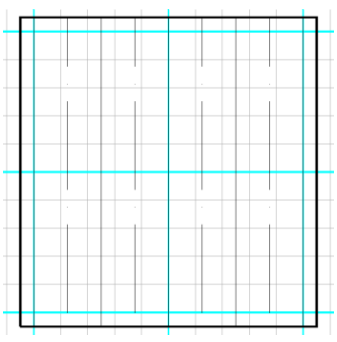
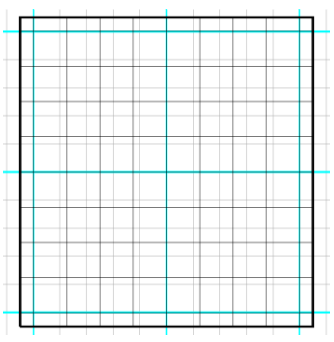
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
010	공통	ISO 국제규격	A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	

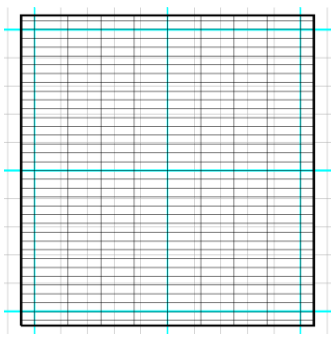
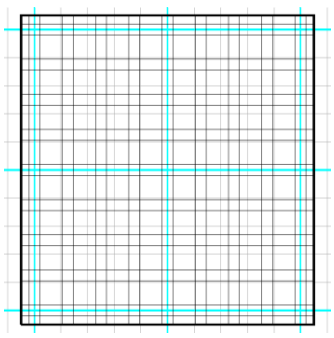
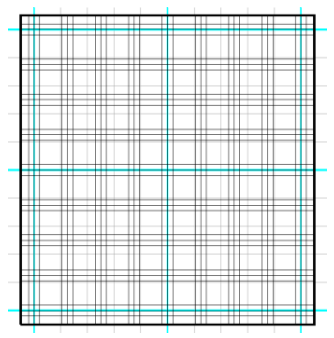
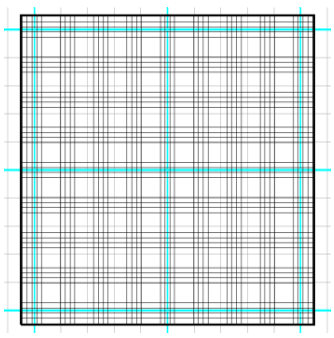
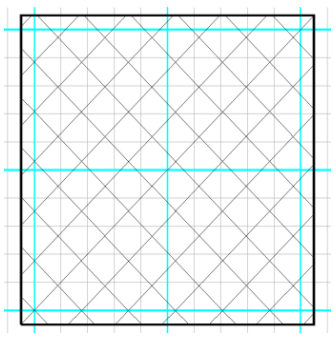
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
015	공통	ISO 국제규격	A-ISONS15		ISO 국제규격 15	
016		실선 무늬	C-LINES01		단일 수직선	
017			C-LINEM01		2중 수직선(일반)	
018			C-LINEM02		2중 수직선(조밀)	
019			C-LINEM03		3중 수직선(일반)	

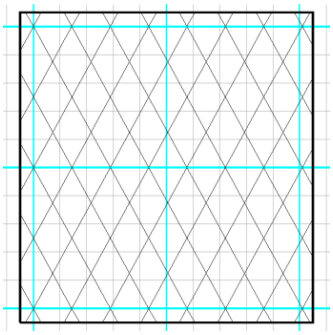
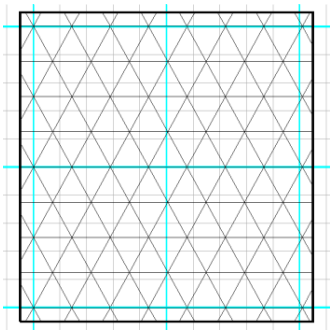
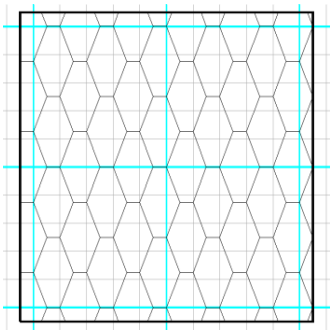
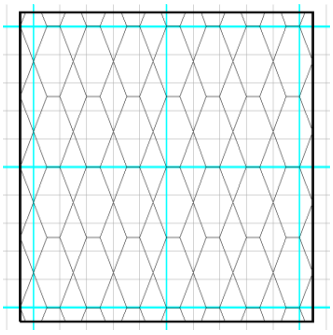
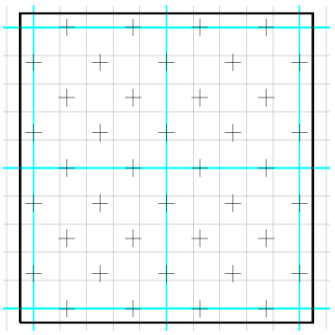
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
020	공통	실선 무늬	C-LINEM04		3중 수직선(조밀)	
021			C-LINEM05		4중 수직선(일반)	
022			C-LINEM06		4중 수직선(조밀)	
023		파선 무늬	C-DASHS01		파선 수직선(일반)	
024			C-DASHS02		파선 수직선(엇갈림)	

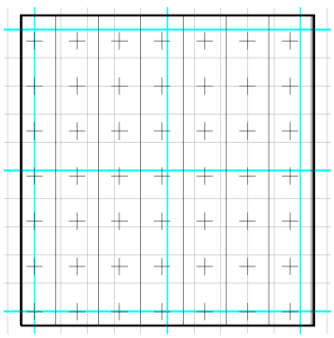
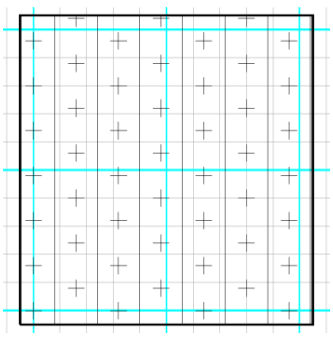
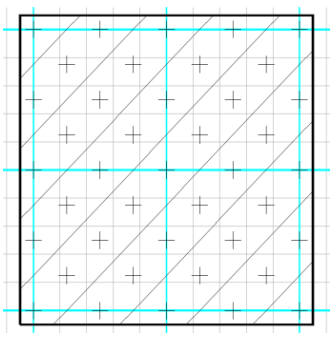
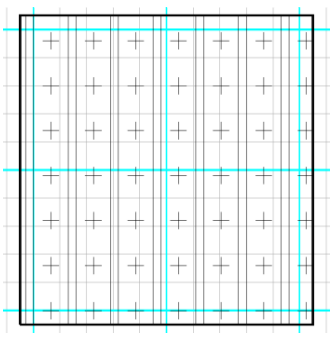
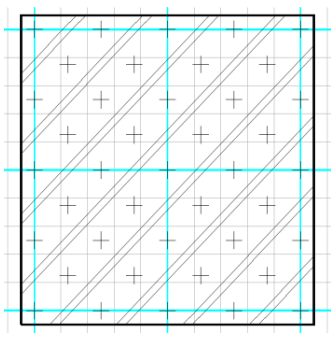
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
025	공통	파선 무늬	C-DASHS03		파선 수직선(조밀,엇갈림)	
026			C-DASHM01		2중 파선 수직선(일반)	
027			C-DASHM02		2중 파선 수직선(엇갈림)	
028			C-DASHM03		3중 파선 수직선(조밀)	
029			C-DASHM04		3중 파선 수직선(조밀,엇갈림)	

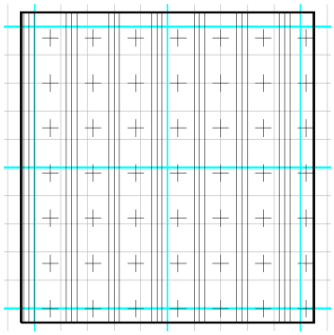
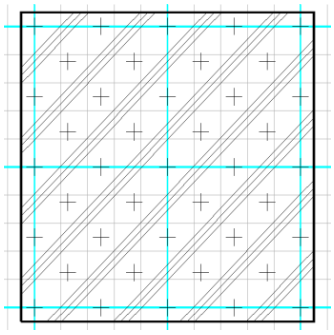
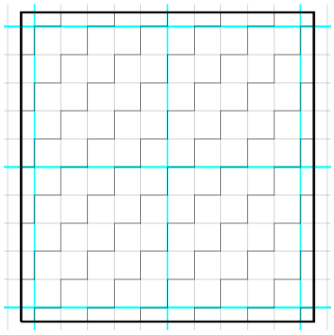
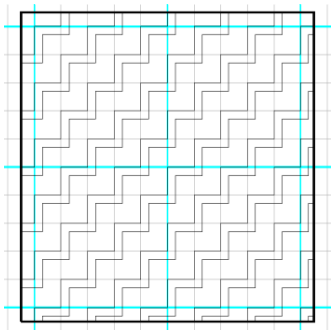
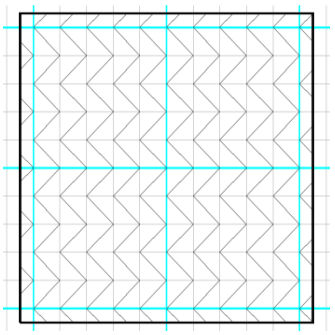
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
030	공통	파선 무늬	C-DASHM05		4중 파선 수직선(조밀,엇갈림)	
031			C-DASHM06		4중 파선 수직선(조밀)	
032		실선조합 무늬	D-DASHL01		수직선 파선 반복(일반)	
033			D-DASHL02		수직선 파선 반복(조밀)	
034			D-DASHL03		2수직선 파선 반복(조밀)	

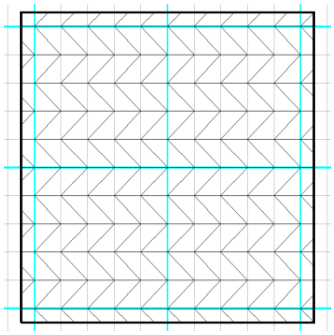
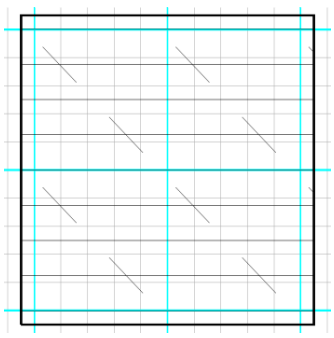
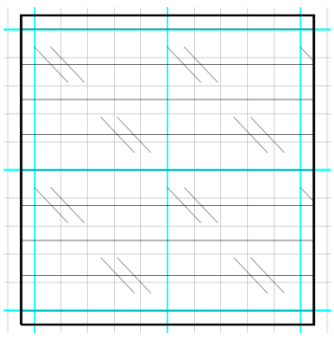
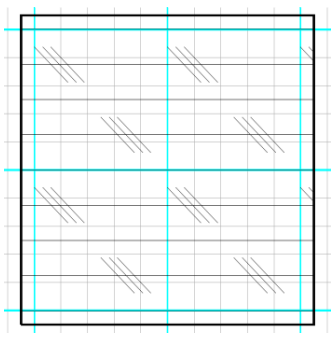
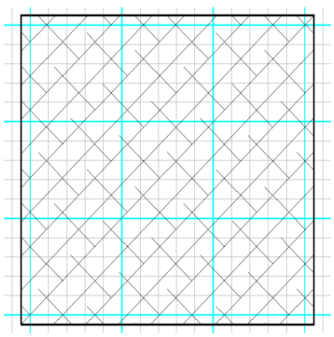
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
035	공통	실선조합 무늬	D-DASHL04		3수직선 파선 반복(조밀)	
036			D-DASHL05		수직선 2파선 반복(조밀)	
037			C-LNDOT01		수직선 점선(일반)	
038			C-LNDOT02		수직선/수직 점선 반복(일반)	
039		실선교차 무늬	C-GRIDS01		실선 교차(일반)	

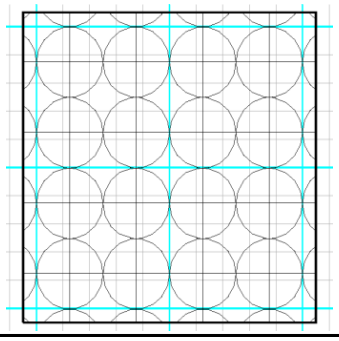
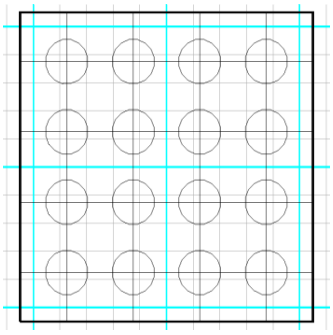
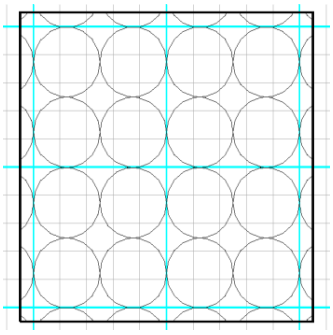
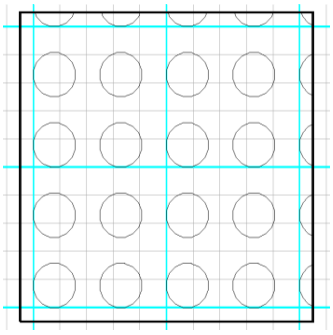
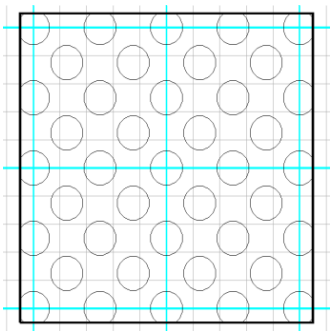
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
040	공통	실선교차 무늬	C-GRIDS02		실선 교차(그레이팅)	
041			C-GRIDM01		2실선 교차	
042			C-GRIDM02		3실선 교차	
043			C-GRIDM03		4실선 교차	
044			C-NETSQ01		실선 사각교차(일반)	

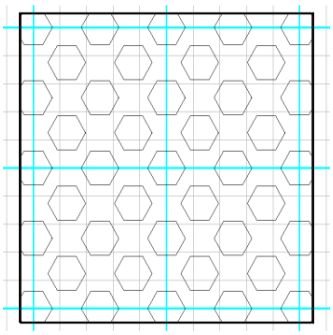
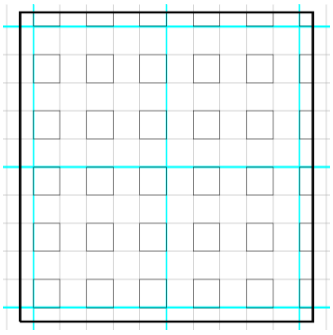
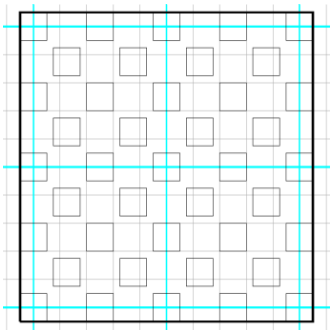
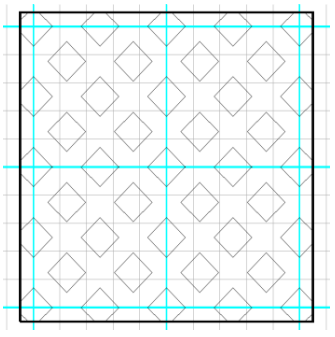
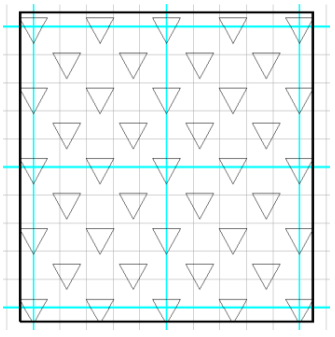
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
045	공통	실선교차 무늬	C-NETDA01		실선 마름모교차(일반)	
046			C-NETDA02		실선 마름모교차(횡선)	
047			C-NETWR01		철망형 교차(일반)	
048			C-NETWR02		철망형 교차(변형)	
049		십자 무늬	M-CROSS01		십자무늬	

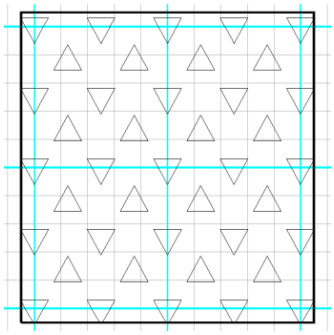
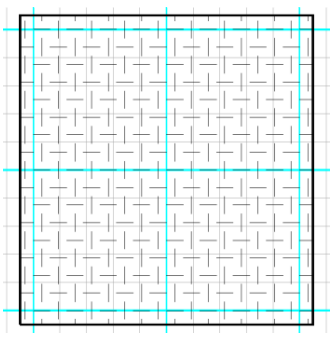
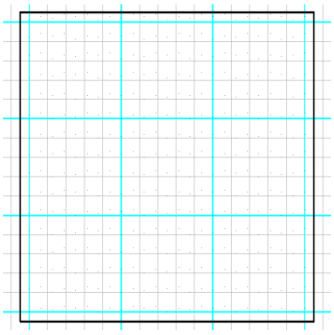
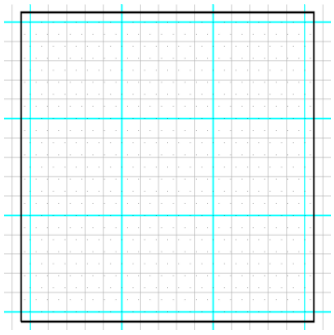
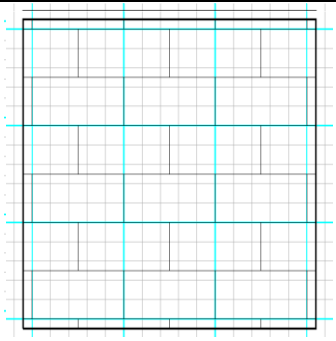
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
050	공통	십자 무늬	M-CROSS02		십자 수직선 반복(일반)	
051			M-CROSS03		십자엇갈림 수직선 반복	
052			M-CROSS04		십자 사선 반복(일반)	
053			M-CROSS05		십자 2수직선 반복	
054			M-CROSS06		십자 2사선 반복	

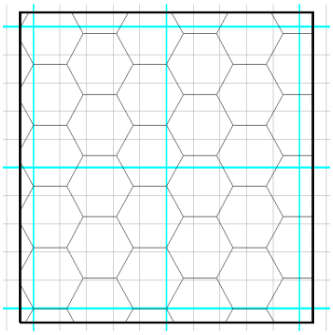
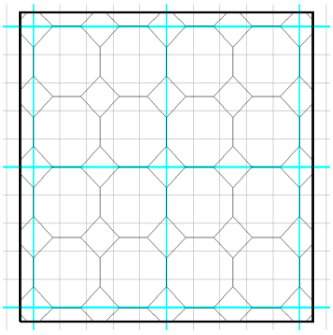
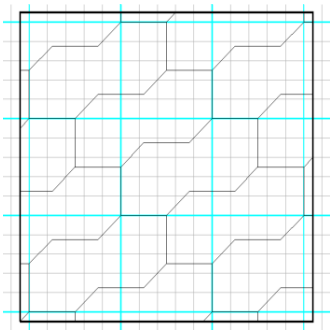
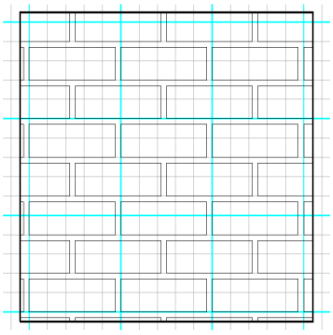
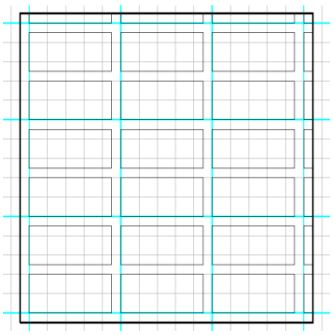
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
055	공통	십자 무늬	M-CROSS07		십자 3수직선 반복	
056			M-CROSS08		십자 3사선 반복	
057		지그재그 무늬	B-ZIGZG01		사각 지그재그(일반)	
058			B-ZIGZG02		사각 2지그재그(일반)	
059			B-ZIGZG03		수직 지그재그	

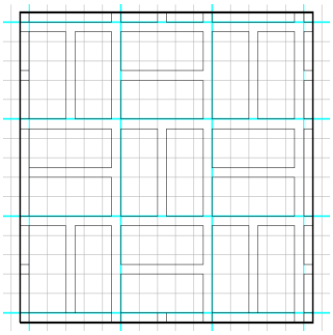
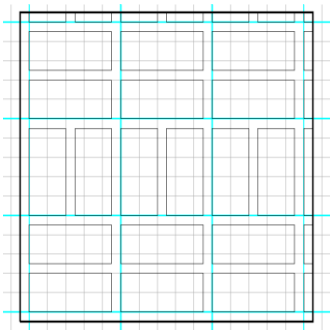
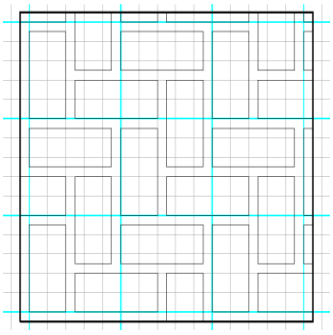
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
060	공통	지그재그 무늬	B-ZIGZG04		수직 지그재그 수평선	
061		사선교차	E-SLASH01		수평선 1사선 교차(일반)	
062			E-SLASH02		수평선 2사선 교차	
063			E-SLASH03		수평선 3사선 교차	
064			E-SLASH04		사선 파선 엇갈림교차	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
065	공통	원형 및 다각형	E-CIRNT01		네트 큰원(일반)	
066			E-CIRNT02		네트 작은 원	
067			N-CIRCL01		큰원 무늬(일반)	
068			N-CIRCL02		작은원 무늬	
069			N-CIRCL03		작은원(사각)	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
070	공통	원형 및 다각형	N-HEXGN01		작은 6각형(엇갈림)	
071		네모 무늬	N-SQUAR01		네모 무늬(일반)	
072			N-SQUAR02		네모 무늬(엇갈림)	
073			N-SQUAR03		네모 무늬(사각)	
074		삼각형 무늬	N-TRIAG01		역삼각형(엇갈림)	

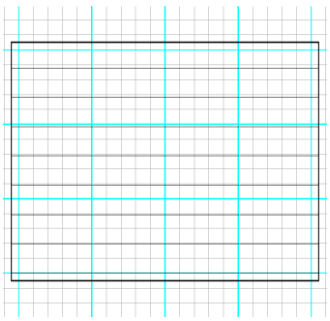
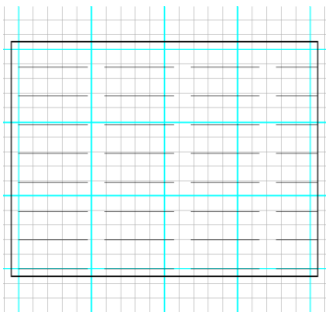
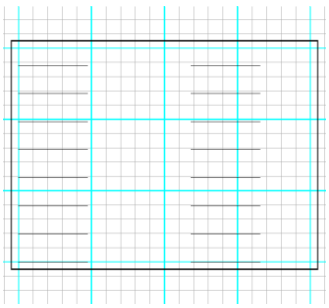
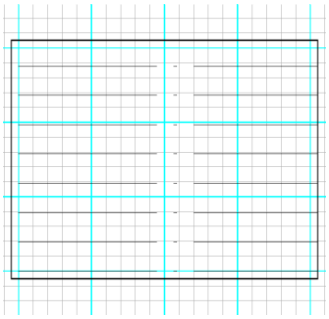
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
075	공통	삼각형 무늬	N-TRIAG02		삼각형 교대(엇갈림)	
076		체크무늬	F-CHECK01		무늬판	
077		점(DOTS)	M-DOTRM01		점 자유 배치	
078			M-DOTGD01		점 그리드 배치	
079		블록	N-BLOCK01		블록(일반)	

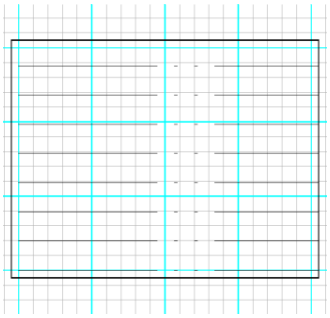
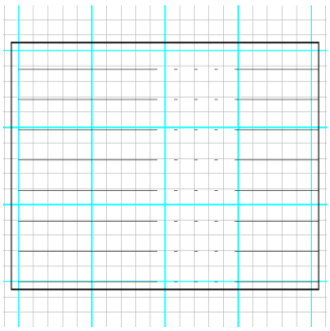
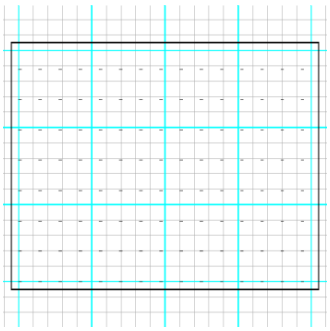
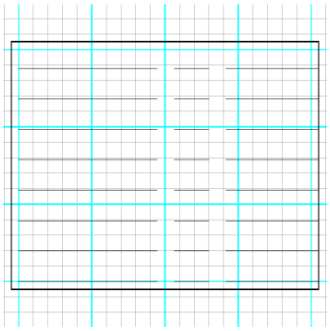
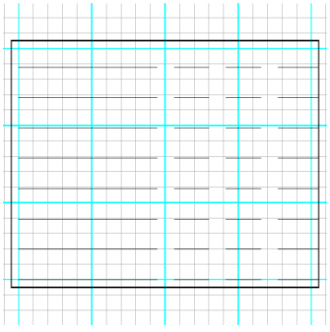
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
080	공통	블록	N-BLOCK02		6각형 블록(엇갈림)	
081			N-BLOCK03		6각형 블록	
082			N-BLOCK04		보도블록	
083		벽돌	N-BRICK01		벽돌쌓기(엇갈림)	
084			N-BRICK02		벽돌쌓기	

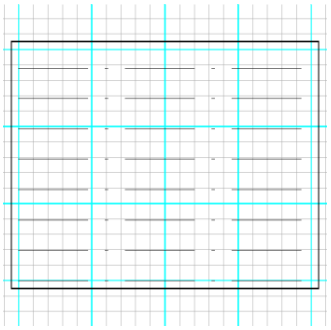
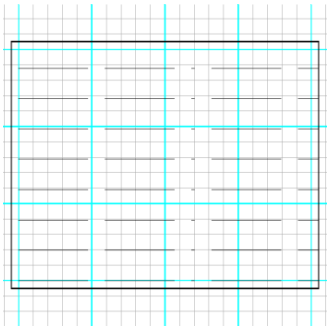
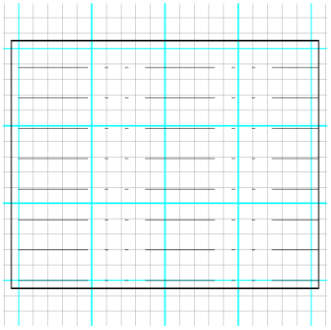
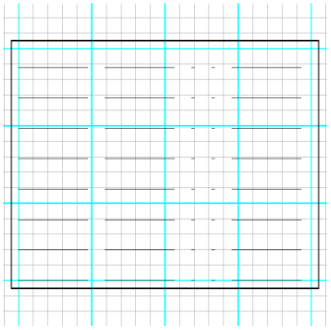
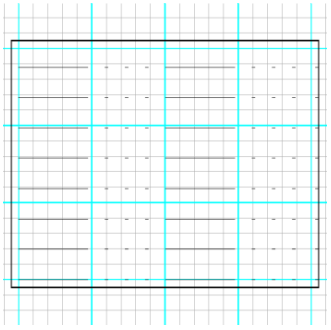
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
085	공통	벽돌	N-BRICK03		벽돌쌓기(2중 교대)	
086			N-BRICK04		벽돌쌓기(2중 열)	
087			N-BRICK05		벽돌쌓기(엇갈림 열)	

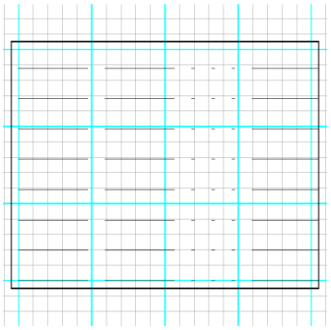
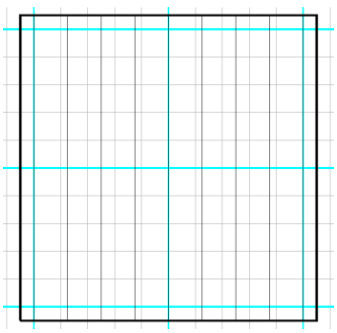
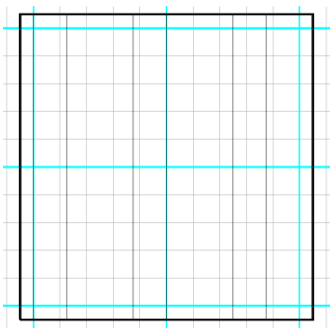
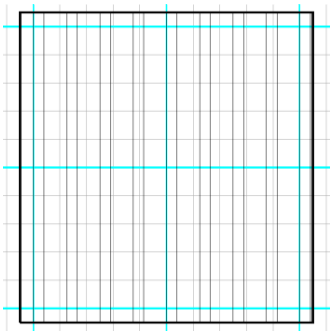
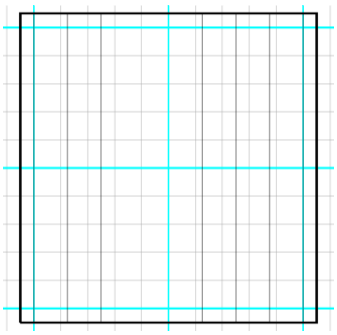
7. 조경분야 해칭 목록

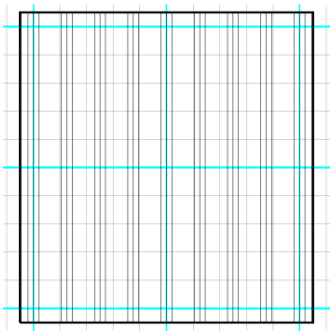
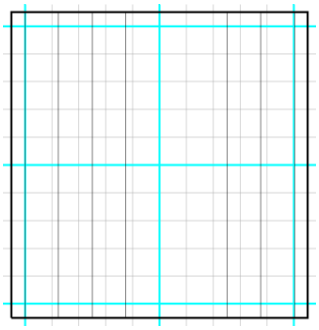
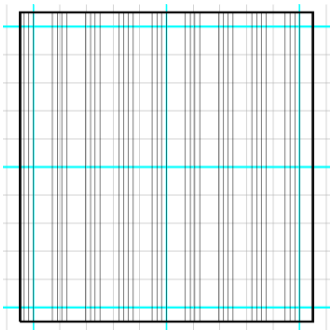
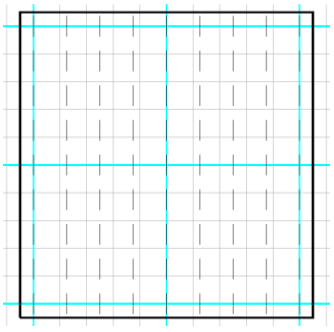
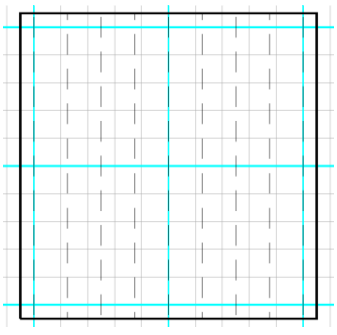
조경분야해칭목록

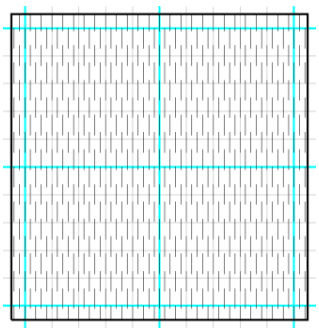
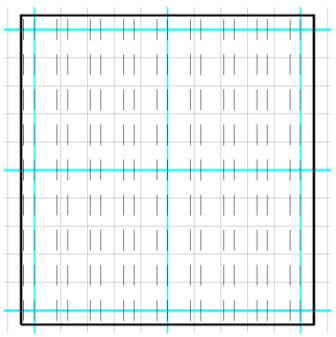
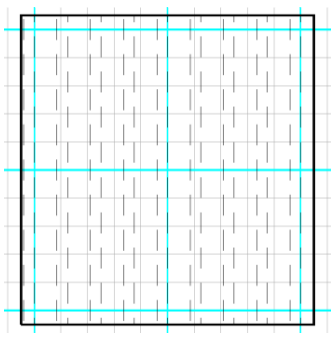
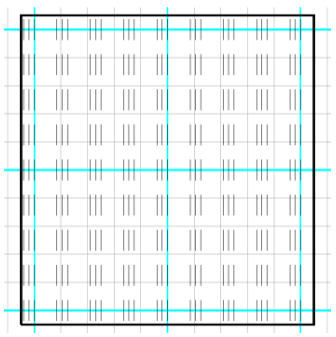
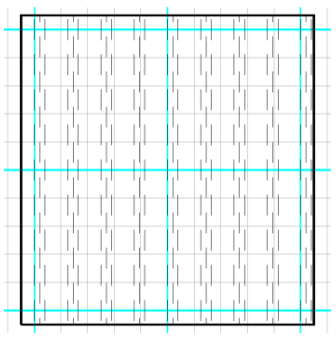
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	
004			A-ISONS04		ISO 국제규격 04	

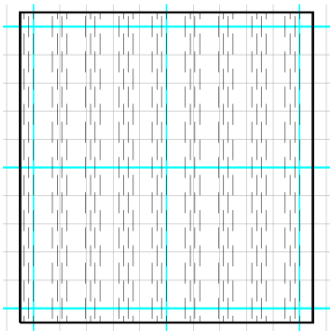
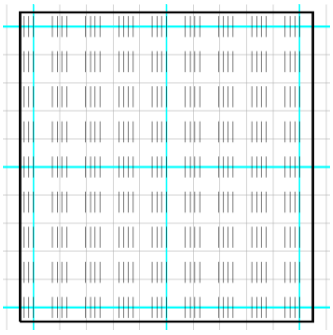
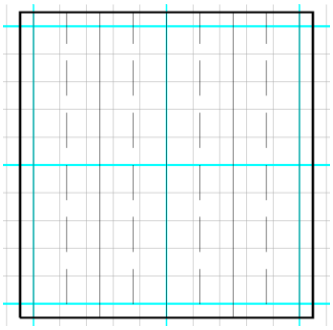
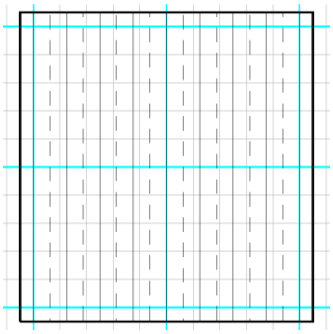
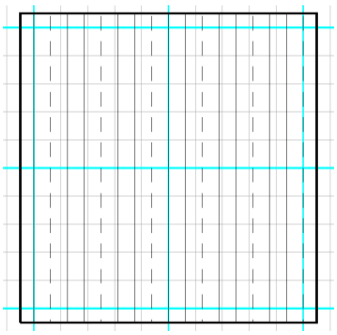
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
005	공통	ISO 국제규격	A-ISONS05		ISO 국제규격 05	
006			A-ISONS06		ISO 국제규격 06	
007			A-ISONS07		ISO 국제규격 07	
008			A-ISONS08		ISO 국제규격 08	
009			A-ISONS09		ISO 국제규격 09	

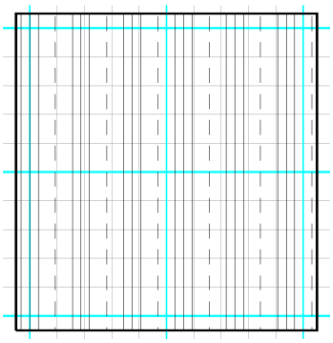
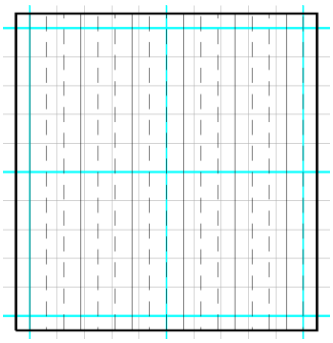
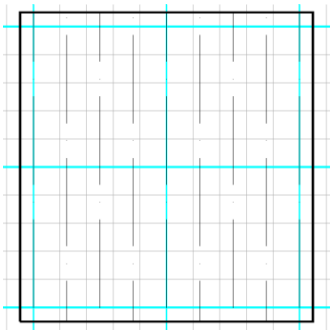
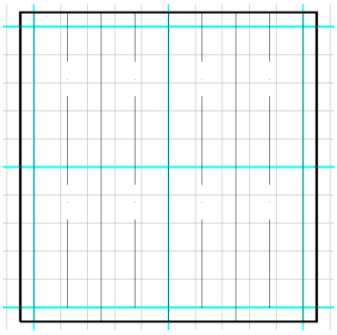
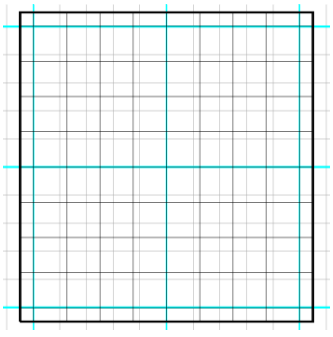
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
010	공통	ISO 국제규격	A-ISONS10		ISO 국제규격 10	
011			A-ISONS11		ISO 국제규격 11	
012			A-ISONS12		ISO 국제규격 12	
013			A-ISONS13		ISO 국제규격 13	
014			A-ISONS14		ISO 국제규격 14	

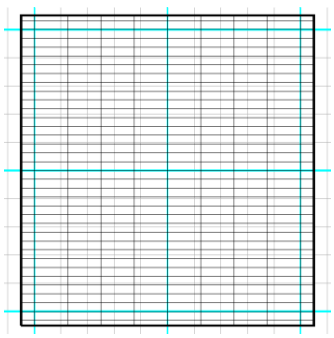
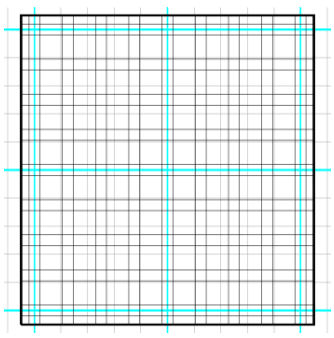
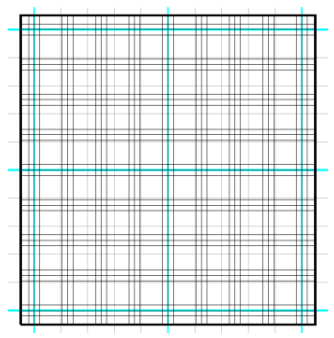
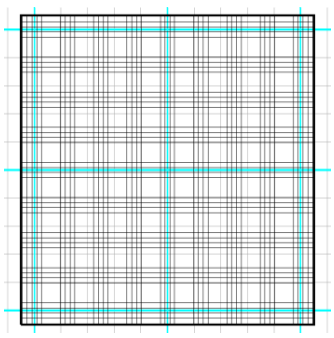
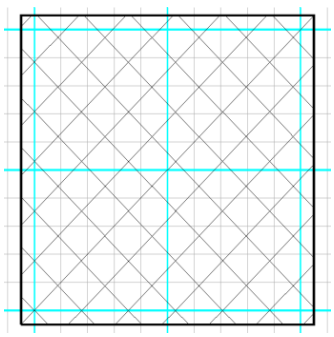
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
015	공통	실선 무늬	A-ISONS15		ISO 국제규격 15	
016			C-LINES01		단일 수직선	
017			C-LINEM01		2중 수직선(일반)	
018			C-LINEM02		2중 수직선(조밀)	
019			C-LINEM03		3중 수직선(일반)	

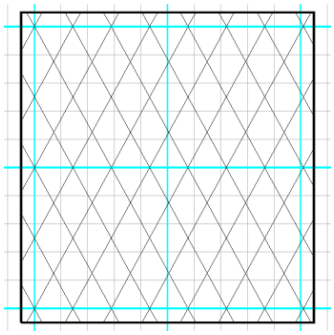
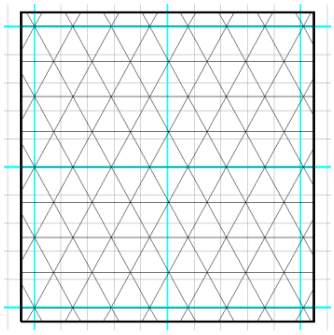
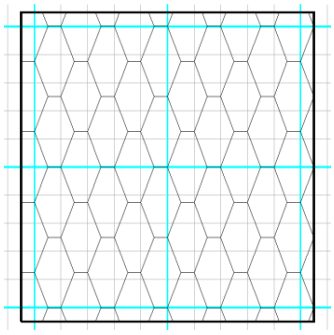
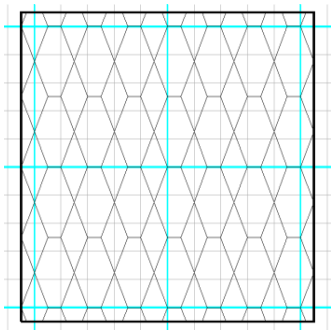
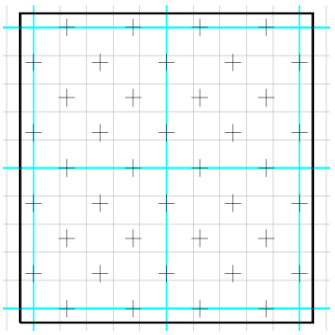
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
020	공통	실선 무늬	C-LINEM04		3중 수직선(조밀)	
021			C-LINEM05		4중 수직선(일반)	
022			C-LINEM06		4중 수직선(조밀)	
023		파선 무늬	C-DASHS01		파선 수직선(일반)	
024			C-DASHS02		파선 수직선(엇갈림)	

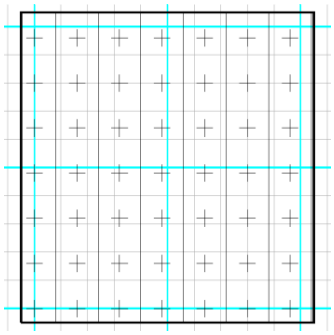
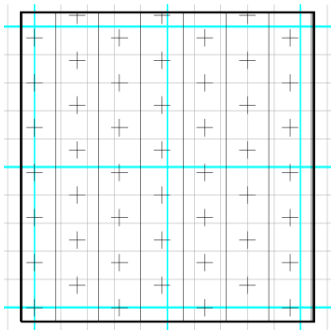
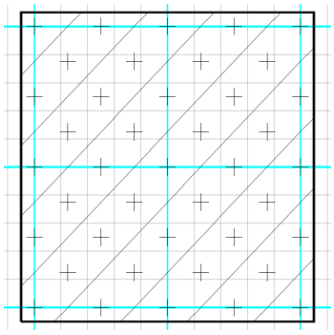
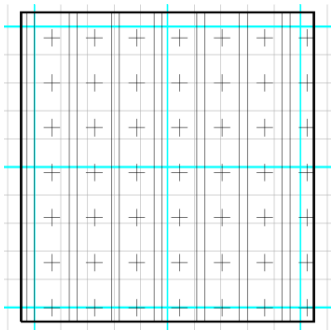
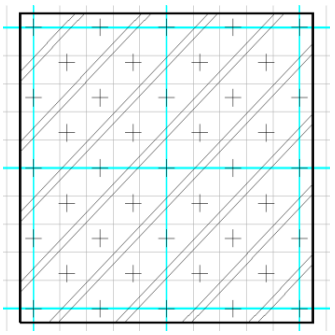
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
025	공통	파선 무늬	C-DASHS03		파선 수직선(조밀,엇갈림)	
026			C-DASHM01		2중 파선 수직선(일반)	
027			C-DASHM02		2중 파선 수직선(엇갈림)	
028			C-DASHM03		3중 파선 수직선(조밀)	
029			C-DASHM04		3중 파선 수직선(조밀,엇갈림)	

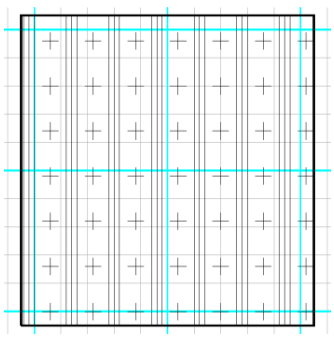
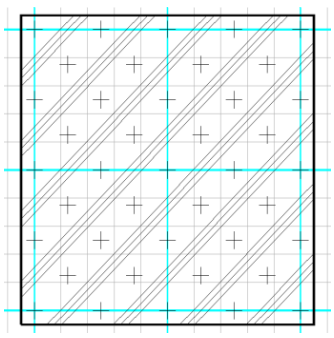
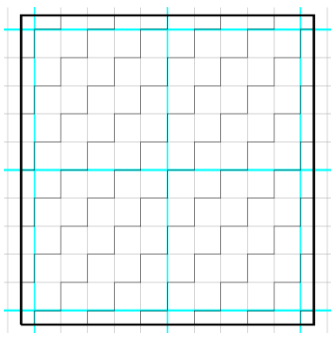
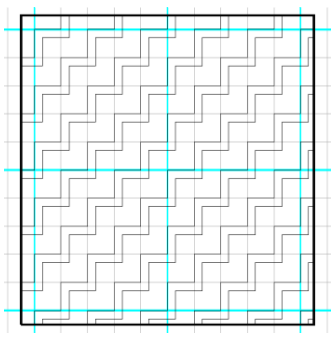
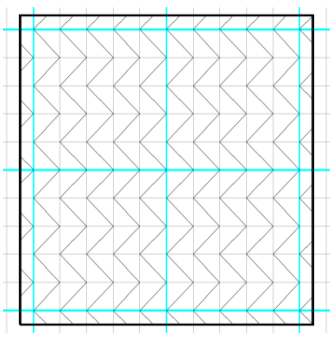
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
030	공통	파선 무늬	C-DASHM05		4중 파선 수직선(조밀,엇갈림)	
031			C-DASHM06		4중 파선 수직선(조밀)	
032		실선조합 무늬	D-DASHL01		수직선 파선 반복(일반)	
033			D-DASHL02		수직선 파선 반복(조밀)	
034			D-DASHL03		2수직선 파선 반복(조밀)	

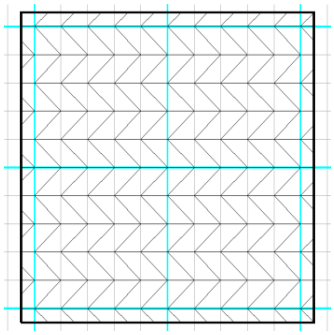
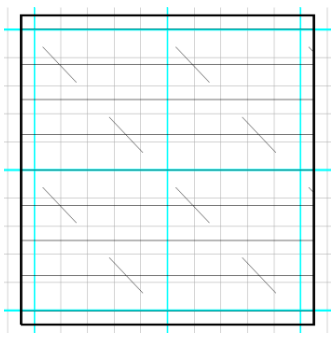
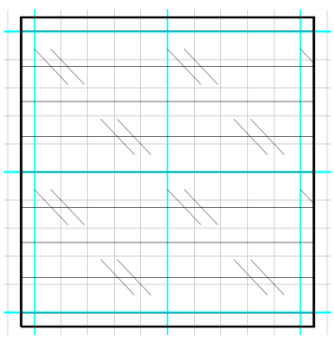
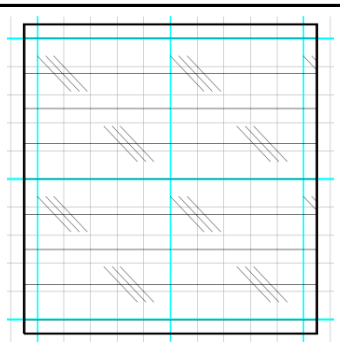
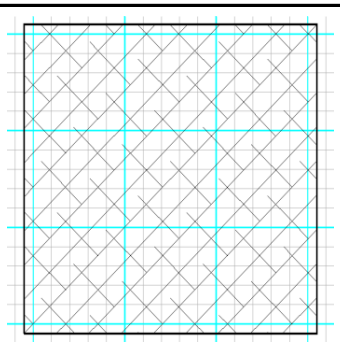
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
035	공통	실선조합 무늬	D-DASHL04		3수직선 파선 반복(조밀)	
036			D-DASHL05		수직선 2파선 반복(조밀)	
037			C-LNDOT01		수직선 점선(일반)	
038			C-LNDOT02		수직선/수직 점선 반복(일반)	
039		실선교차 무늬	C-GRIDS01		실선 교차(일반)	

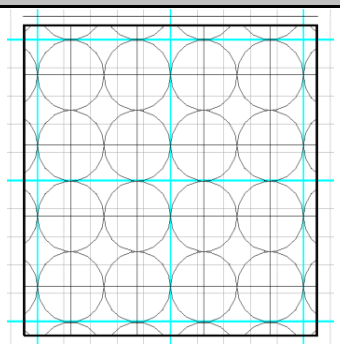
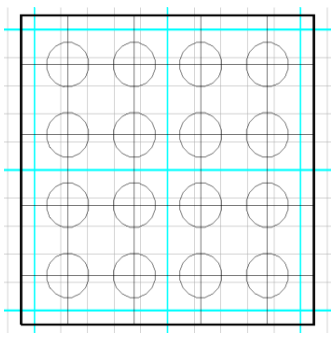
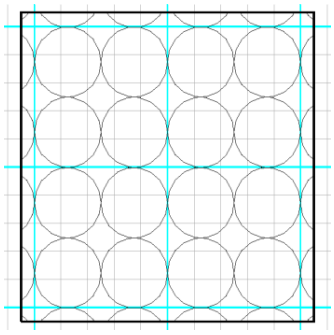
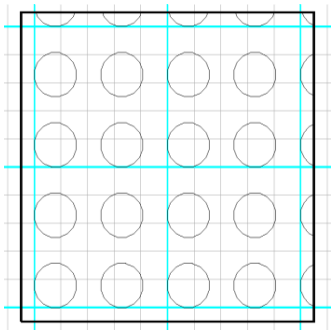
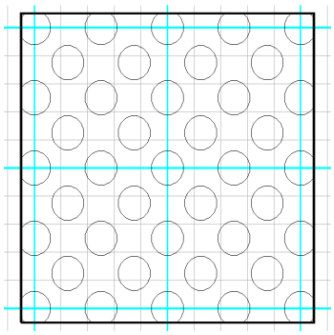
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
040	공통	실선교차 무늬	C-GRIDS02		실선 교차(그레이팅)	
041			C-GRIDM01		2실선 교차	
042			C-GRIDM02		3실선 교차	
043			C-GRIDM03		4실선 교차	
044			C-NETSQ01		실선 사각교차(일반)	

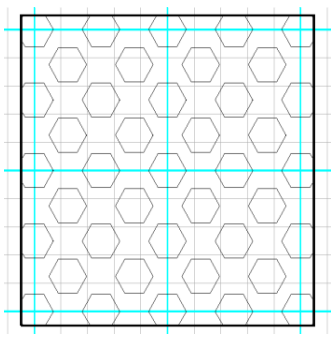
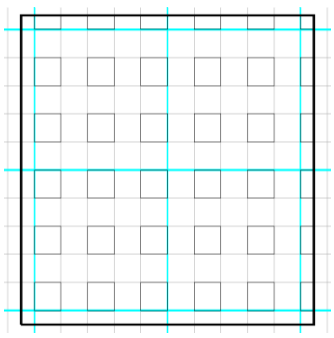
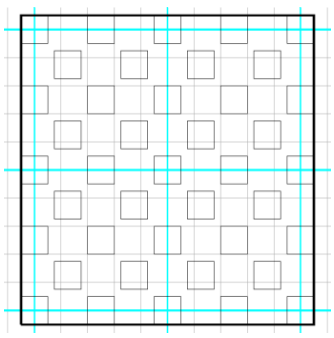
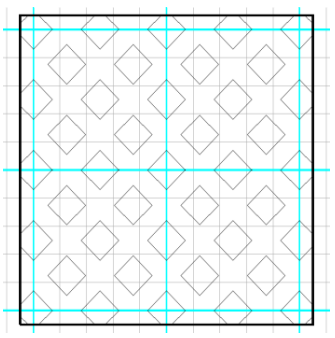
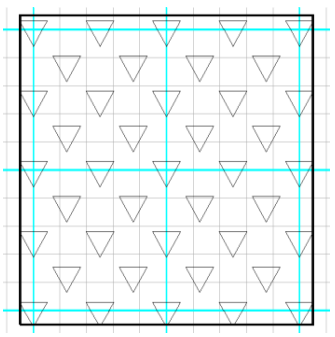
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
045	공통	실선교차 무늬	C-NETDA01		실선 마름모교차(일반)	
046			C-NETDA02		실선 마름모교차(횡선)	
047			C-NETWR01		철망형 교차(일반)	
048			C-NETWR02		철망형 교차(변형)	
049		십자 무늬	M-CROSS01		십자무늬	

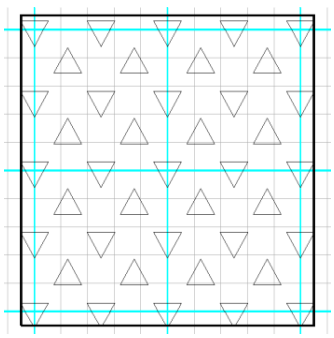
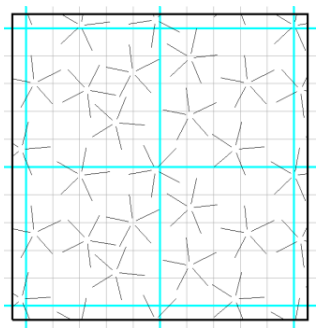
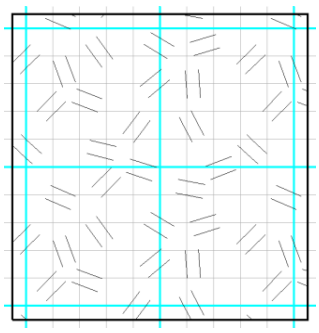
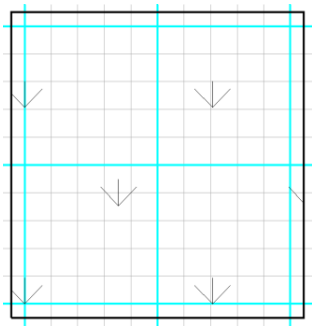
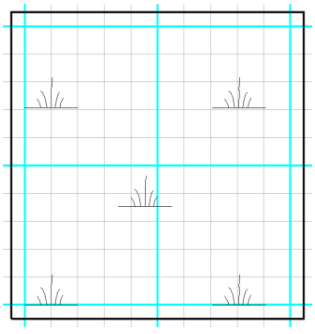
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
050	공통	십자 무늬	M-CROSS02		십자 수직선 반복(일반)	
051			M-CROSS03		십자엇갈림 수직선 반복	
052			M-CROSS04		십자 사선 반복(일반)	
053			M-CROSS05		십자 2수직선 반복	
054			M-CROSS06		십자 2사선 반복	

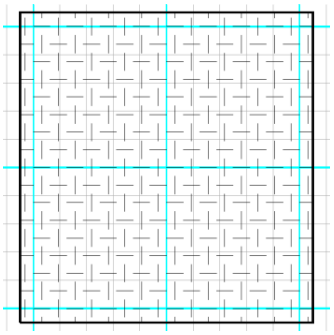
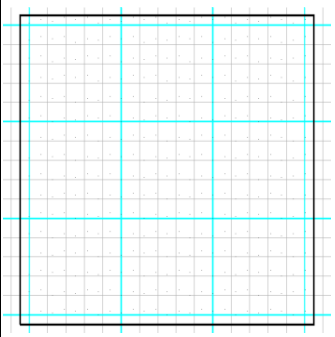
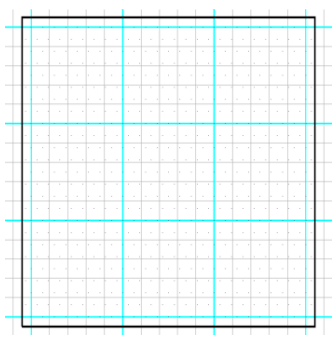
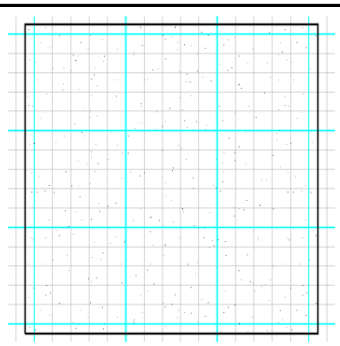
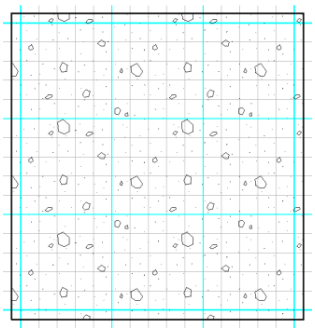
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
055	공통	십자 무늬	M-CROSS07		십자 3수직선 반복	
056			M-CROSS08		십자 3사선 반복	
057		지그재그 무늬	B-ZIGZG01		사각 지그재그(일반)	
058			B-ZIGZG02		사각 2지그재그(일반)	
059			B-ZIGZG03		수직 지그재그	

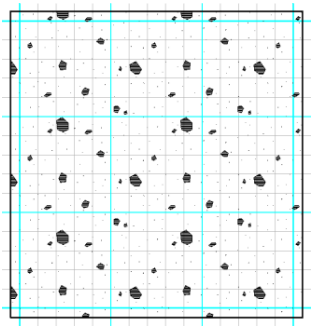
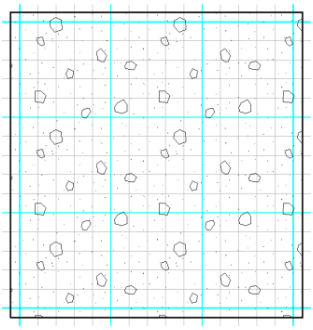
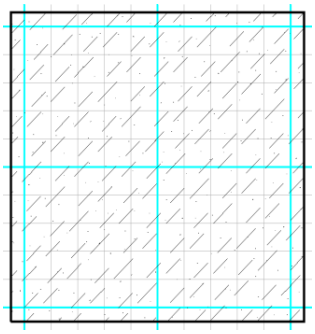
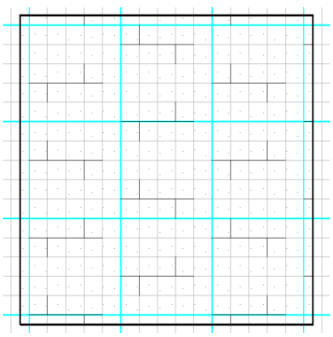
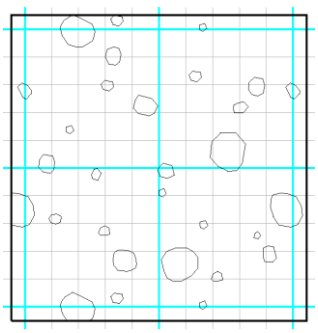
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
060	공통	지그재그 무늬	B-ZIGZG04		수직 지그재그 수평선	
061		사선교차	E-SLASH01		수평선 1사선 교차(일반)	
062			E-SLASH02		수평선 2사선 교차	
063			E-SLASH03		수평선 3사선 교차	
064			E-SLASH04		사선 파선 엇갈림교차	

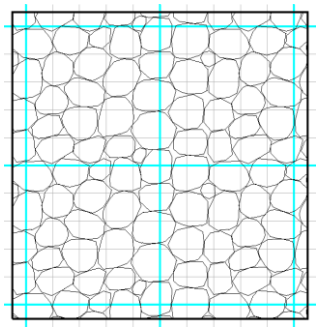
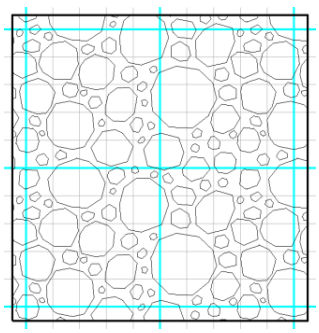
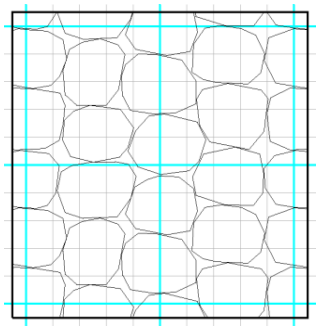
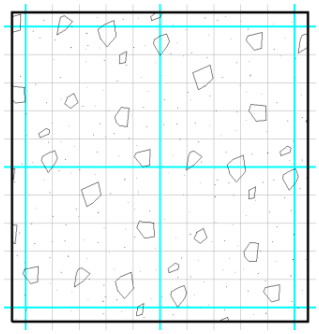
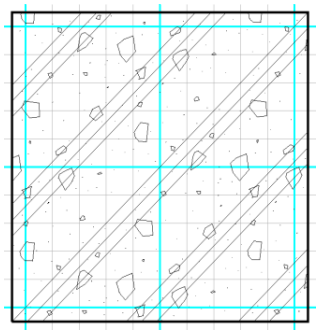
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
065	공통	원형 및 다각형	E-CIRNT01		네트 큰원(일반)	
066			E-CIRNT02		네트 작은 원	
067			N-CIRCL01		큰원 무늬(일반)	
068			N-CIRCL02		작은원 무늬	
069			N-CIRCL03		작은원(사각)	

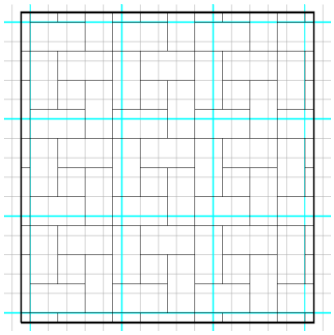
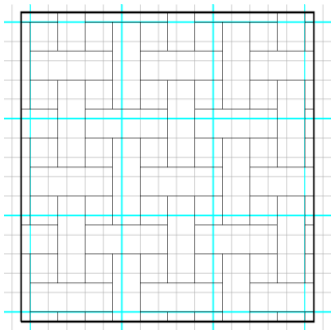
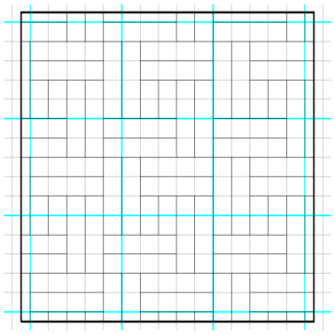
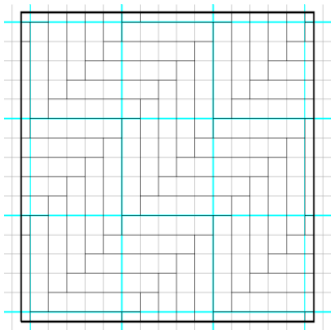
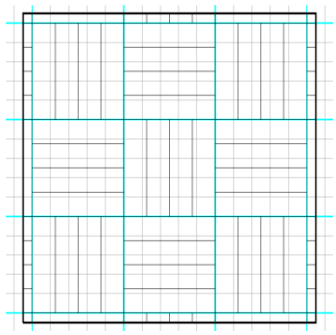
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
070	공통	원형 및 다각형	N-HEXGN01		작은 6각형(엇갈림)	
071		네모 무늬	N-SQUAR01		네모 무늬(일반)	
072			N-SQUAR02		네모 무늬(엇갈림)	
073			N-SQUAR03		네모 무늬(사각)	
074		삼각형 무늬	N-TRIAG01		역삼각형(엇갈림)	

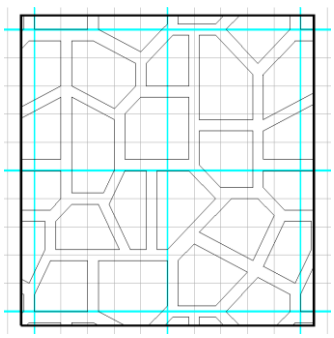
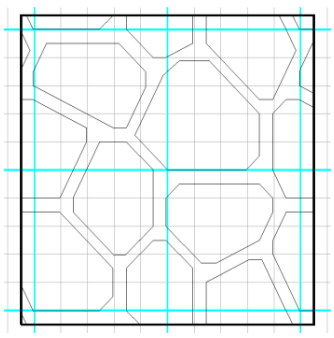
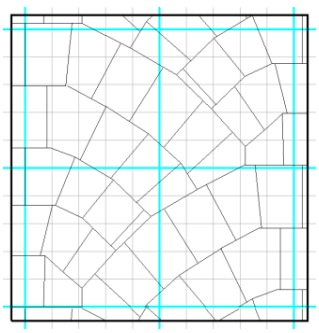
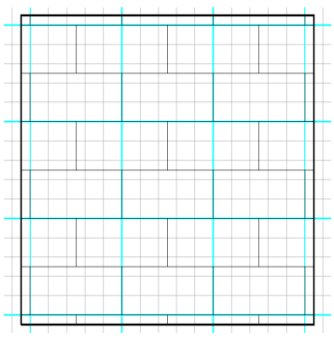
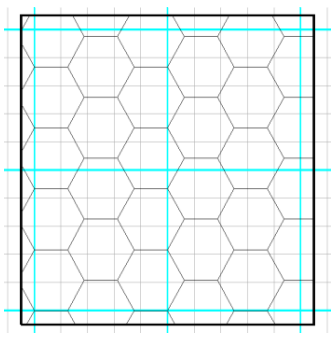
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
075	공통	삼각형 무늬	N-TRIAG02		삼각형 교대(엇갈림)	
076		녹지대	M-GREEN01		들꽃 무늬	
077			M-GREEN02		들풀 무늬	
078			M-GRASS01		잔풀 무늬	
079			M-GRASS02		목초지 무늬	

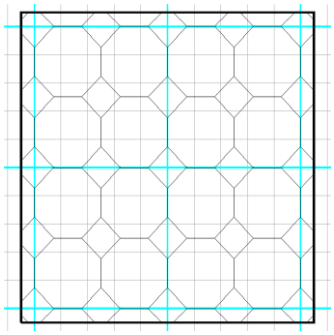
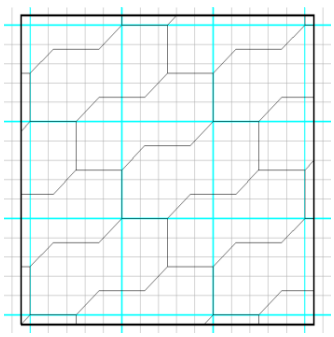
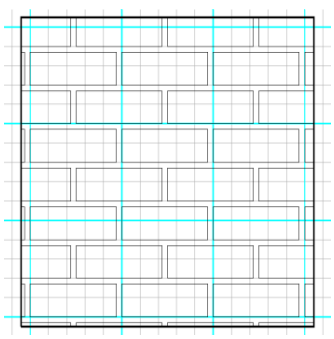
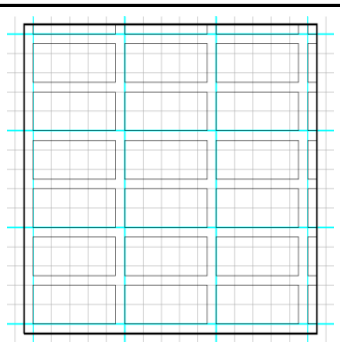
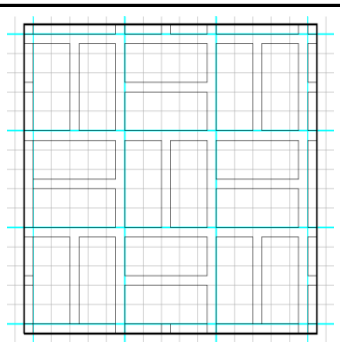
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
080	공통	체크무늬	F-CHECK01		무늬판	
081		점(DOTS)	M-DOTRM01		점 자유 배치	
082			M-DOTGD01		점 그리드 배치	
083		모래 및 모래질	N-SANDS01		모래	
084			N-SANDG01		모래섞인 자갈	

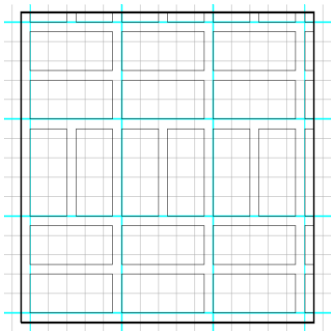
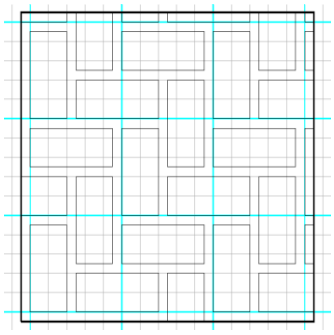
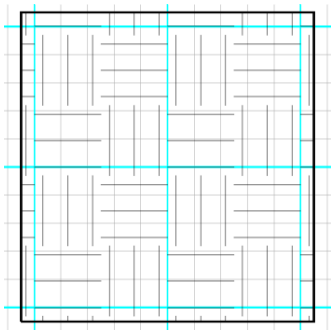
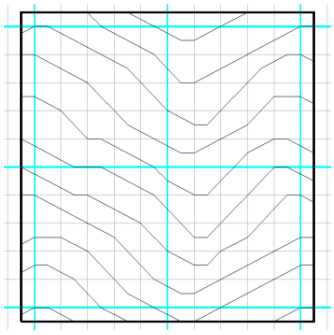
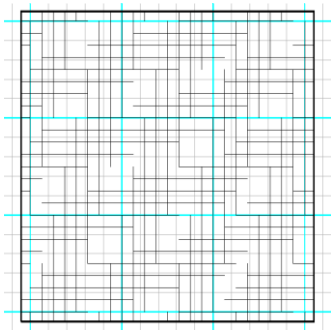
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
085	공통	모래 및 모래질	N-SANDG02		모래석인 불순자갈	
086			N-SANDG03		모래섞인 돌자갈	
087			N-SANDM01		모래섞인 기타재질(일반)	
088			N-SANDD01		불순물 섞인 모래	
089		자갈/잡석	N-GRAVL01		자갈	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
090	공통	자갈/잡석	N-GRAVL02		굵은 자갈	
091			N-GRAVL03		자갈 섞인 부순돌	
092			N-STONE01		부순돌	
093		콘크리트	N-CONCP01		무근콘크리트	
094			N-CONCR01		철근콘크리트	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
095	공통	타일	N-TILES01		타일 네모(일반)	
096			N-TILES02		타일 십자	
097			N-TILES03		타일 2중교대	
098			N-TILES04		타일 갈매기	
099			N-TILES05		타일 4중교대	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
100	공통	판석	N-FSTON01		판석포장(일반)	
101			N-FSTON02		넓은 판석포장	
102			N-FSTON03		기하 판석포장	
103		블록	N-BLOCK01		블록(일반)	
104			N-BLOCK02		6각형 블록(엇갈림)	

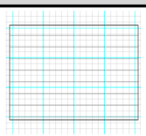
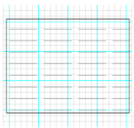
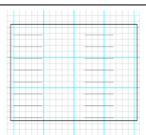
번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
105	공통	블록	N-BLOCK03		6각형 블록	
106			N-BLOCK04		보도블록	
107		벽돌	N-BRICK01		벽돌쌓기(엇갈림)	
108			N-BRICK02		벽돌쌓기	
109			N-BRICK03		벽돌쌓기(2중 교대)	

번호	공종분류	공통분류	해칭코드	해칭형상	내 용	비고
110	공통	벽돌	N-BRICK04		벽돌쌓기(2중 열)	
111			N-BRICK05		벽돌쌓기(엇갈림 열)	
112		지반	M-EARTH01		지반무늬	
113		기타	X-WOODG01		나무결	
114			X-HOUND01		하운드 무늬	

0. 해칭 목록 범례

가. 해칭 목록의 구조는 다음과 같다.

① 통신설비분야해칭목록

번호	공종분류 ②	공통분류 ③	해칭코드 ④	형 상 ⑤	내 용	비고
001	공통	ISO 국제규격	A-ISONS01		ISO 국제규격 01	
002			A-ISONS02		ISO 국제규격 02	
003			A-ISONS03		ISO 국제규격 03	

① 해당 목록의 이름
② 해칭의 분야별 적용공종
③ 유사한 해칭을 그룹핑한 분류
④ "건설CALS/EC 전자도면 작성표준"의 해칭 체계에 따른 코드

기본형태코드	해칭 명칭			
	형상/대상명칭		일련번호	구성코드
A	-BBBBB		nn	C
A:ISO 15종 외 기본선 구성 배치	기본선	ISONS:ISO국제규격	03:3번째 무늬	X:배수 크기
B:지그재그 등 변형선 구성 배치		LINEM:다중선 구성무늬		H:반배수 크기
C:동일한 2종 이상 선 평행/교차배치	형상	ZIGZG:지그재그 형상		Ann:nn도 기울기
D:다른 2종 이상 선의 평행/교차배치		CROSS:십자 형상		
E:연속선에 점/기하/문자 요소 배치	대상	GEOTL:지질+물결무늬		
F:파선에 점/기하/문자 요소 배치		GRASS:초지		
M:기호/점 혼합 배치		SANDG:모래+자갈		
N:면/점 형태의 혼합 배치		GRAVL:자갈		
X:기타/미분류		BLOCK:블록/포장 등		

⑤ 선의 정의 간격은 1x1 격자위에 기준형상을 표기하고, 이 크기는 문자높이 2.0mm를 기준으로 하는 출력 권장간격이다.

나. 토목, 건축 등 각 분야에서는 공통 해칭 목록과 해당 분야별 해칭 목록을 함께 사용한다.

건설CALS/EC 전자도면 작성표준 V2.0

[부속서 6]

도면 테이블 목록

KICT 한국건설기술연구원

[부속서 6] 도면 테이블 목록

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0. 도면 테이블 목록 범례

가. 도면 테이블 목록의 구조는 다음과 같다.

테이블 명칭	범 례 표	분류코드	① Z002

구성기준	번호	속성정보		형 식 (정밀도) ④	단 위 ⑤	필수 여부 ⑥	비 고
		항 목 ②	자료구조 ③				
	1	타이틀	데이터	문자	-	선택	범례
	2	기호	리스트	문자	-	선택	C.P
	3	부호		도형	-	필수	심벌 등
	4	설명		문자	-	필수	집수정(일반)
	5	비고		문자	-	선택	

기준형상 ⑦

범 례

기 호	부 호	설 명	비 고

비고	

① 테이블의 ID로서 '건설전문분야 분류코드'+'일련번호'(3자리)
필요한 경우, 일련번호에 확장코드를 부여가능
(예 : 범례표 형식추가 Z002 → Z002A, Z002B)
② 테이블을 구성하는 항목의 정의
③ 테이블 항목별 자료의 종류
데이터 : 단일 값 입력
리스트 : 동일한 항목의 세트를 여러 번 입력
④ 형식 및 정밀도
형식 : 문자, 도형, 숫자
정밀도 : 숫자의 경우 소수자리 (정수의 경우 0)
⑤ 숫자의 경우 단위표시 (mm, m, km 등)
⑥ 테이블을 작성할 때 반드시 값을 입력해야하는지의 여부
⑦ 테이블을 물리적 도형으로 정의한 기본적인 형상

나. 도면 테이블의 기준형상은 필요에 따라 다양하게 정의할 수 있다. 이 경우 속성정보의 구조는 본 표준에 의하여 동일하게 정의되어야 한다.

다. 토목, 건축 등 각 분야에서는 공통 테이블 목록과 해당 분야별 테이블 목록을 함께 사용한다.

1. 공통분야 도면 테이블 목록

1.1 도면목차

테이블 명칭	도면목차	분류코드	Z001

구성기준

번호	속성정보		형 식	단 위	필수 여부	비 고
	항 목	자료구조	(정밀도)			
1	일련번호(또는 순번)	리스트	숫자(0)	-	선택	6
2	도면명		문자	-	필수	평면 및 종단면도
3	도면번호		문자	-	필수	C0010202-008
4	축척		문자	-	필수	1/1200,1/200
5	비고		문자	-	선택	

기준형상

일련번호	도면번호	도면명	축척	비고

비고	1. 표 타이틀은 도곽 타이틀로 대신하여 표기한다. 2. 도면번호 항목은 발주자별 도면 번호체계를 표기한다. 3. 축척이 없는 경우는 NONE으로 표기한다. 4. 발주자별 특성에 따라 항목을 조정하여 사용할 수 있다.

1.2 설계도 목차

테이블 명칭	설계도 목차	분류코드	Z001a

구성기준

번호	속성정보		형 식	단 위	필수 여부	비 고
	항 목	자료구조	(정밀도)			
1	번호(도면분류)	데이터	숫자(0)	-	선택	1
2	도면명	데이터	문자	-	필수	평면 및 종단면도
3	매수	데이터	숫자(0)	-	선택	12
4	도면번호	데이터	문자	-	필수	3.123

기준형상

번호	도면명	매수	도면번호

비고	1. 도각에 따라 목차를 복수로 수평 배열할 수 있다. 2. 도면번호는 도면의 육안검색을 위한 편철번호 기입이 원칙이나, 도면코드를 기입할 수 도 있다. 3. 도면명은 단위도면 또는 그룹별 도면의 명칭이나 종류를 기입한다.

1.3 교량구조물도 목차

테이블 명칭	교량구조물도 목차	분류코드	Z001b

	번호	속성정보		형 식	단 위	필수 여부	비 고
		항 목	자료구조	(정밀도)			
구성기준	1	구분	데이터	문자	-	필수	-
		교량명	데이터	문자	-	필수	OO대교
		공종	데이터	문자	-	필수	상부공
		방향	데이터	문자	-	선택	방향(서울)
	2	도면명	데이터	문자	-	필수	슬래브일반도
	3	매수	데이터	숫자(0)	-	필수	12
	4	도면번호	데이터	문자	-	선택	3-012

기준형상

구분			도면명	매수	도면번호
교량명	공종	방향			

비고	1. 도면번호는 도면의 육안검색을 위한 편철번호 기입이 원칙이나, 도면코드를 기입할 수 도 있다.

1.4 터널구조물도 목차

테이블 명칭	터널구조물도 목차	분류코드	Z001c

구성기준

번호	속성정보		형 식	단 위	필수 여부	비 고
	항 목	자료구조	(정밀도)			
1	구분	데이터	문자	-	필수	-
	터널명	데이터	문자	-	필수	OO터널
	공종	데이터	문자	-	필수	본선
2	도면명	데이터	문자	-	필수	갱구부 보강도
3	매수	데이터	숫자(0)	-	필수	12
4	도면번호	데이터	문자	-	선택	T-012

기준형상

구분		도면명	매수	도면번호
터널명	공종			

비고	1. 도면번호는 도면의 육안검색을 위한 편철번호 기입이 원칙이나, 도면코드를 기입할 수 도 있다.

1.5 항만설계도면목차

테이블 명칭	항만설계도면목차	분류코드	Z001H-A

구성기준

번호	속성정보		형 식	단 위	필수 여부	비 고
	항 목	자료구조	(정밀도)			
1	구분	데이터	문자	-	필수	방파제공
2	시설명	데이터	문자	-	선택	서방파제
3	편철번호	리스트	문자	-	선택	BW-002
4	도면명	리스트	문자	-	필수	서방파제 표준단면도
5	도면번호	리스트	문자	-	필수	C2010201-002

기준형상

구분	편철번호	도면명	도면번호
	시설명		
	시설명		

구분	편철번호	도면명	도면번호
	시설명		
	시설명		

비고	1. 각 공종별 시설명은 단위시설의 경우 생략할 수 있다. 2. 편철번호의 경우 도면번호로 대체 사용하고 생략할 수 있다. 3. 도면의 배치는 도면의 분량에 따라 복수의 테이블이나 도면 파일로 구성할 수 있다.

1.6 범례표

테이블 명칭	범례표	분류코드	Z002

구성기준

번호	속성정보		형 식	단 위	필수 여부	비 고
	항 목	자료구조	(정밀도)			
1	타이틀	데이터	문자	-	선택	범례
2	기호	리스트	문자	-	선택	C.P
3	부호		도형	-	필수	심벌 등
4	설명		문자	-	필수	집수정(일반)
5	비고		문자	-	선택	

기준형상

범 례

기호	부호	설명	비고

비고

1. 표 타이틀과 항목별 타이틀은 도면 여건에 따라 생략할 수 있다.
2. 기호 및 비고 항목은 불필요한 경우 생략할 수 있다.
3. 부호 항목은 심벌, 해칭, 선 등 벡터 이미지를 표기한다.

2. 토목분야 도면 테이블 목록

2.1 도로선형 시·종점 제원표

테이블 명칭	도로선형 시·종점 제원표	분류코드	C001

구성기준

번호	속성정보		형 식	단 위	필수 여부	비 고
	항 목	자료구조	(정밀도)			
1	IP	데이터	문자	-	필수	B.P/E.P
2	X	데이터	숫자(4)	m	필수	211323.2342
3	Y	데이터	숫자(4)	m	필수	326843.2158

기준형상

<IP>		
X	m	
Y	m	

비고	1. IP 항목은 선형의 시점은 B.P, 종점은 E.P로 표기한다.

2.2 도로선형 원곡선 제원표

테이블 명칭	도로선형 원곡선 제원표	분류코드	C002

구성기준	번호	속성정보		형 식	단 위	필수 여부	비 고
		항 목	자료구조	(정밀도)			
	1	IP	데이터	숫자(0)/문자	-	필수	2[3-1]
	2	CO X	데이터	숫자(4)	m	필수	211323.2342
	3	CO Y	데이터	숫자(4)	m	필수	326843.2158
	4	IA	데이터	도-분-초(2)	각도	필수	22-45-32.35
	5	R	데이터	숫자(4)	m	필수	245.15
	6	TL	데이터	숫자(4)	m	필수	40.0324
	7	CL	데이터	숫자(4)	m	필수	98.7877
	8	SL	데이터	숫자(4)	m	필수	4.8554

기준형상

IP			
CO	X	m	
	Y	m	
IA		각도	
R		m	
TL		m	
CL		m	
SL		m	

비고	1. IA는 도-분-초 단위로 표기하며 초(“) 정밀도는 2자리까지 표기한다. 2. 항목별 약어는 ‘[부속서7] 도면 약어 목록'을 참조한다.

2.3 도로선형 완화곡선 제원표

테이블 명칭	도로선형 완화곡선 제원표	분류코드	C003

구성기준	번호	속성정보		형 식	단 위	필수 여부	비 고
		항 목	자료구조	(정밀도)			
	1	IP	데이터	숫자(0)/문자	-	필수	1[A-1]
	2	CO X	데이터	숫자(4)	m	필수	192,810.52
	3	CO Y	데이터	숫자(4)	m	필수	393.671.9641
	4	KNO 시점측	데이터	문자	-	필수	01월 01일
	5	KNO 종점측	데이터	문자	-	필수	01월 02일
	6	IA	데이터	도-분-초(2)	각도(°)	필수	30-29-24.11
	7	R	데이터	숫자(4)	m	필수	650
	8	⊿R 시점측	데이터	숫자(4)	m	필수	0.3243
	9	⊿R 종점측	데이터	숫자(4)	m	필수	0.1801
	10	XM 시점측	데이터	숫자(4)	m	필수	35.554
	11	XM 종점측	데이터	숫자(4)	m	필수	26.468
	12	X 시점측	데이터	숫자(4)	m	필수	71.0942
	13	X 종점측	데이터	숫자(4)	m	필수	52.9296
	14	Y 시점측	데이터	숫자(4)	m	필수	1.2959
	15	Y 종점측	데이터	숫자(4)	m	필수	0.7189
	16	LC	데이터	숫자(4)	m	필수	283.8711
	17	CL	데이터	숫자(4)	m	필수	407.9263
	18	D 시점측	데이터	숫자(4)	m	필수	212.507
	19	D 종점측	데이터	숫자(4)	m	필수	203.9514
	20	S	데이터	숫자(2)	%	필수	-6.23
	21	A 시점측	데이터	숫자(4)	m	필수	215
	22	A 종점측	데이터	숫자(4)	m	필수	185.5
	23	L 시점측	데이터	숫자(4)	m	필수	71.1152
	24	L 종점측	데이터	숫자(4)	m	필수	52.9389

기준형상

IP				X	m	m
CO	X	m		Y	m	m
	Y	m		LC	m	m
KNO				CL	m	m
IA		각도(°)		D	m	m
R		m		S	%	
⊿R	m	m		A	m	m
XM	m	m		L	m	m

비고	1. 비 대칭형 완화곡선인 경우 구분이 필요한 항목은 시점측과 종점측을 구분하여 표시한다. 2. 대칭 완화곡선인 경우 종점측은 시점측과 동일하게 기재한다. 3. 시점 혹은 종점측 중 어느 한쪽만 완화곡선으로 접속할 경우 완화곡선이 없는 측의 항목은 공란으로 처리한다. 4. IA는 도-분-초 단위로 표기하며 초(“) 정밀도는 2자리까지 표기한다. 5. 항목별 약어는 ‘[부속서7] 도면 약어 목록'을 참조한다.

2.4 상수관로 변실 제원표

테이블 명칭	상수관로 변실 제원표	분류코드	C004

	번호	속성정보		형 식	단 위	필수 여부	비 고
		항 목	자료구조	(정밀도)			
구성기준	1	측점	데이터	숫자(2)/문자	-	필수	NO. 12+14.00
	2	특기사항(DESC)	데이터	문자	-	선택	제수변실
	3	번호	리스트	숫자(0)	-	필수	1
	4	명칭		문자	-	필수	1수단관
	5	규격		문자	-	필수	D=1000x2.0
	6	수량		숫자(0)	-	필수	2
	7	비고		도형	-	필수	심벌기호

기준형상

측점		<DESC>		
번호	명칭	규격	수량	비고

비고	1. 비고 항목에는 해당 재료의 도형 심벌기호를 표기한다.

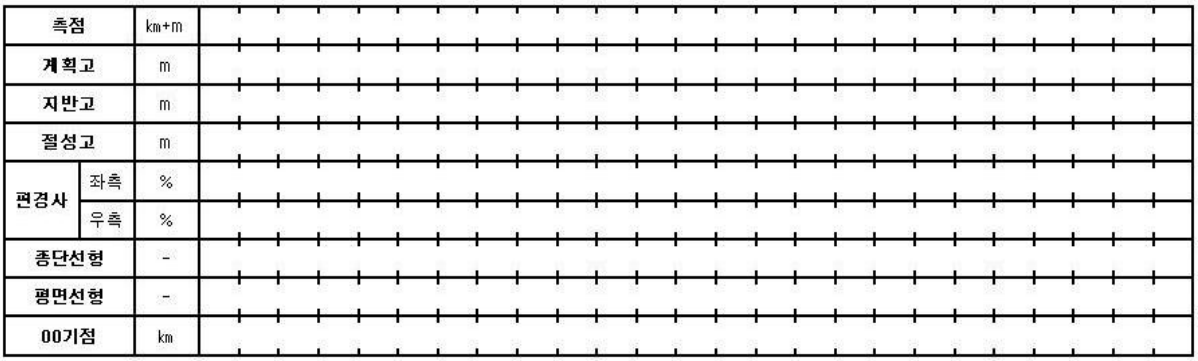
2.5 도로 종단 제원표

테이블 명칭	도로 종단 제원표	분류코드	C005

구성기준

번호	속성정보 항목		속성정보 자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
1	측점		리스트 (측점별)	숫자(2)/ 문자	km+m	필수	[1+] 200.00
2	계획고			숫자(2)	m	필수	37.51
3	지반고			숫자(2)	m	필수	21.94
4	절성고			숫자(2)	m	필수	15.56
5	편경사(%)	좌측		숫자(1)	%	필수	-2
6		우측		숫자(1)	%	필수	-2
7	종단선형		리스트 (곡선별)	문자	var.	필수	S=1.75% L=600.00...
8	평면선형			문자	var.	필수	IP=4 R=2200.00...
9	(지명)기점		리스트 (0.5km당)	기호/숫자 (1)	km	선택	30.5

기준형상



비고

1. 측점 항목은 단위도면의 시.종점과 km단위의 정 측점은 km+m로 표기한다.
2. 종단 및 평면선형의 해당 정보를 정밀도는 2자릿수로 기입한다.
3. 이정거리는 노선의 시작 지명에서 이격거리를 0.5km마다 심벌과 함께 표기한다.
4. 기본 및 실시설계에 따라 해당 필요한 항목만을 선별 사용할 수 있다.

2.6 철도 종단 제원표(고속철도)

테이블 명칭	철도 종단 제원표(고속철도)	분류코드	C006

구성기준	번호	속성정보			형 식	단 위	필수 여부	비 고
		항 목		자료구조	(정밀도)			
	1	경사		리스트 (측선별)	문자	-	선택	
	2	레일면고	상선	리스트 (측점별)	숫자(3)	m	필수	142.66
	3		하선		숫자(3)	m	필수	142.66
	4	계획고			숫자(2)	m	필수	141.99
	5	지반고			숫자(1)	m	필수	147.35
	6	누계거리			숫자(1)	m	필수	2240
	7	선형		리스트 (곡선별)	문자	-	필수	

기준형상

경사		-
레일면고	상선	m
	하선	m
계획고		m
지반고		m
누계거리		m
선형		-

비고	1. 기본 및 실시설계에 따라 필요한 항목을 변경 사용할 수 있다

2.7 상수도 종단 제원표

테이블 명칭	상수도 종단 제원표	분류코드	C007

구성기준	번호	속성정보		형 식	단 위	필수 여부	비 고
		항 목	자료구조	(정밀도)			
	1	측점	리스트 (측점별)	문자/숫자 (2)	-	필수	NO.12 12.25
	2	거리		숫자(2)	m	필수	20
	3	추가거리		숫자(2)	m	필수	240
	4	지반고		숫자(2)	m	필수	97.7
	5	관저고		숫자(2)	m	필수	95.1
	6	토피		숫자(2)	m	필수	1.6
	7	경사	리스트 (노드별)	문자	-	필수	S=60.00% ° L=120.00M
	8	비고	리스트	문자	-	선택	

기준형상

측점	-	
거리	m	
추가거리	m	
지반고	m	
관저고	m	
토피	m	
경사	m	
비고	-	

비고	1. 기본 및 실시설계에 따라 필요한 항목을 변경 사용할 수 있다. 2. 비고 항목은 경사정보의 인출 등을 기재할 수 있다.

2.8 우·오수 종단 제원표

테이블 명칭	우·오수 종단 제원표	분류코드	C008

구성기준	번호	속성정보		형 식	단 위	필수 여부	비 고
		항 목	자료구조	(정밀도)			
	1	맨홀번호	리스트 (노드별)	문자	-	필수	MH 2
	2	거리		숫자(2)	m	필수	27.5
	3	추가거리		숫자(2)	m	필수	68.75
	4	계획고		숫자(2)	m	필수	44
	5	관저고		숫자(2)	m	필수	42.24
	6	토피		숫자(2)	m	필수	1.31
	7	경사		문자	-	필수	S=6.00% L=27.50M

기준형상

맨홀번호	-	
거리	m	
추가거리	m	
계획고	m	
관저고	m	
토피	m	
경사	-	

비고	1. 맨홀번호 항목의 맨홀 기호는 임의 부여할 수 있다

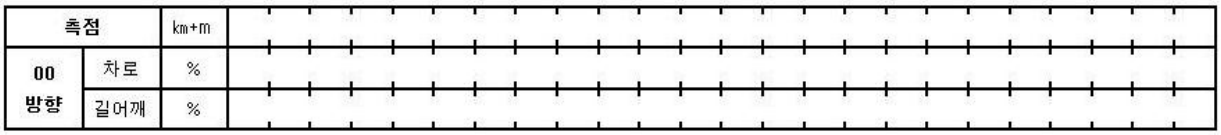
2.9 도로 편경사 제원표(편도)

테이블 명칭	도로 편경사 제원표(편도)	분류코드	C009

구성기준

번호	속성정보			형 식	단 위	필수 여부	비 고
	항 목		자료구조	(정밀도)			
1	측점		리스트 (측점별)	숫자(2)/ 문자	km+m	필수	[1+] 200.00
2	(지명)	차로		숫자(1)	%	필수	-2
3	방향	길어깨		숫자(1)	%	필수	-2

기준형상



비고	1. 측점 항목은 단위도면의 시.종점과 km단위의 정 측점은 km+m로 표기한다. 2. 방향 항목은 노선 진행방향의 지명을 표기한다.

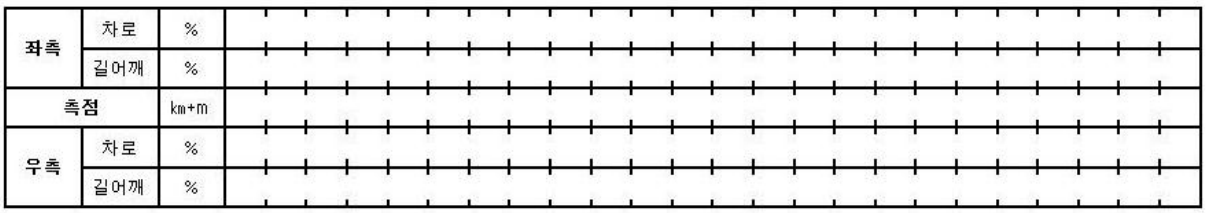
2.10 도로 편경사 제원표(왕복)

테이블 명칭	도로 편경사 제원표(왕복)	분류코드	C010

구성기준

번호	속성정보 항목		속성정보 자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
1	좌측	길어깨	리스트	숫자(1)	%	필수	-2
2	좌측	차로		숫자(1)	%	필수	-2
3	측점			숫자(2)/문자	km+m	필수	[1+] 200.00
4	우측	차로		숫자(1)	%	필수	-2
5	우측	길어깨		숫자(1)	%	필수	-2

기준형상



비고	1. 측점 항목은 단위도면의 시.종점과 km단위의 정 측점은 km+m로 표기한다. 2. 좌.우측 방향은 선형의 진행방향을 기준으로 좌측과 우측의 편경사 정보를 표기한다.

2.11 도로 횡단 토적집계표(A)

테이블 명칭	도로 횡단 토적집계표(A)	분류코드	C011

	번호	속성정보			형 식	단 위	필수 여부	비 고
		항 목		자료구조	(정밀도)			
구성기준	1	측점		데이터	문자	km+m(4)	필수	STA. 2+212.1530
	2	특기사항(DESC)		데이터	문자	-	선택	성산I.C육교 시점부
	3	지반고		데이터	숫자(2)	m	필수	19.92
	4	계획고		데이터	숫자(2)	m	필수	15.72
	5	흙깍기	토사	데이터	숫자(2)	m2	선택	68.72
	6		리핑암	데이터	숫자(2)	m2	선택	5.25
	7		편절암	데이터	숫자(2)	m2	선택	(이하 동일)
	8		발파암	데이터	숫자(2)	m2	선택	
	9	흙쌓기	노상	데이터	숫자(2)	m2	선택	
	10		노체	데이터	숫자(2)	m2	선택	
	11		녹지대	데이터	숫자(2)	m2	선택	
	12	벌개제근		데이터	숫자(2)	m	선택	
	13	답표토	깍기부	데이터	숫자(2)	m	선택	
	14		쌓기부	데이터	숫자(2)	m	선택	
	15	답외표토	깍기부	데이터	숫자(2)	m	선택	
	16		쌓기부	데이터	숫자(2)	m	선택	
	17	층따기	노상	데이터	숫자(2)	m2	선택	
	18		노체	데이터	숫자(2)	m2	선택	
	19	노반준비	기존도로	데이터	숫자(2)	m	선택	
	20		깍기부	데이터	숫자(2)	m	선택	
	21	법면보호	쌓기부	데이터	숫자(2)	m	선택	
	22		깍기부	데이터	숫자(2)	m	선택	
	23	면고르기	리핑암	데이터	숫자(2)	m	선택	
	24		발파암	데이터	숫자(2)	m	선택	
	25	측구	토사	데이터	숫자(2)	m2	선택	
	26		리핑암	데이터	숫자(2)	m2	선택	
	27		발파암	데이터	숫자(2)	m2	선택	
	28	측구뚝쌓기		데이터	숫자(2)	m2	선택	

기준형상

측점		km+m						<DESC>			
지반고		m		벌계제근		m		법면보호	쌓기부	m	
계획고		m		답표토	깍기부	m			깍기부	m	
흙깍기	토사	㎡			쌓기부	m		면고르기	리핑암	m	
	리핑암	㎡		답외표토	깍기부	m			발파암	m	
	편절암	㎡			쌓기부	m		측구	토사	㎡	
	발파암	㎡		층따기	노상	㎡			리핑암	㎡	
흙쌓기	노상	㎡			노체	㎡			발파암	㎡	
	노체	㎡		노반준비	기존	m		측구뚝쌓기		㎡	
	녹지대	㎡			깍기부	m					

비고	1. 토공 횡단면도 주변 지정위치에 배치하므로 타이틀은 생략한다. 2. 해당 수량 항목은 횡단의 특성에 따라 변경 사용할 수 있다. 3. 해당 수량이 없는 경우는 공란으로 처리한다. 4. 토적은 양단평균법에 의한 수량적산이 가능한 단위와 값을 적용한다 예) 토공(쌓기,깍기 등) : 토적표수량(㎥) x 측점간격(m) = 체적(㎥)

2.12 도로 횡단 토적집계표(B)

테이블 명칭	도로 횡단 토적집계표(B)	분류코드	C012

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	측점	데이터	문자	km+m(4)	필수	STA. 2+212.1530
	2	특기사항(DESC)	데이터	문자	-	선택	성산I.C육교 시점부
	3	지반고	데이터	숫자(2)	m	필수	19.92
	4	계획고	데이터	숫자(2)	m	필수	15.72
	5	토사다이크	데이터	숫자(2)	m2	선택	68.72
	6	답 표토제거	데이터	숫자(2)	m	선택	5.25
	7	벌개제근	데이터	숫자(2)	m	선택	(이하 동일)
	8	깍기공 토사	데이터	숫자(2)	m2	선택	
	9	깍기공 리핑암	데이터	숫자(2)	m2	선택	
	10	깍기공 신설발파	데이터	숫자(2)	m2	선택	
	11	깍기공 확장발파	데이터	숫자(2)	m2	선택	
	12	깍기공 미진동발파	데이터	숫자(2)	m2	선택	
	13	쌓기공 노체	데이터	숫자(2)	m2	선택	
	14	쌓기공 노상	데이터	숫자(2)	m2	선택	
	15	쌓기공 녹지대	데이터	숫자(2)	m2	선택	
	16	노상 준비공	데이터	숫자(2)	m	선택	
	17	층따기 평떼	데이터	숫자(2)	m	선택	
	18	층따기 리핑암	데이터	숫자(2)	m2	선택	
	19	층따기 발파암	데이터	숫자(2)	m2	선택	
	20	층따기 줄떼	데이터	숫자(2)	m	선택	
	21	층따기 씨앗뿜기	데이터	숫자(2)	m	선택	
	22	되메우기	데이터	숫자(2)	m2	선택	
	23	연약지반처리 표토제거	데이터	숫자(2)	m2	선택	
	24	연약지반처리 샌드매트	데이터	숫자(2)	m	선택	
	25	연약지반처리 P.P매트	데이터	숫자(2)	m	선택	
	26	연약지반처리 PET15	데이터	숫자(2)	m	선택	
	27	연약지반처리 PET25	데이터	숫자(2)	m	선택	
	28	연약지반처리 PET30	데이터	숫자(2)	m	선택	
	29	측구 터파기 토사	데이터	숫자(2)	m2	선택	
	30	측구 터파기 리핑암	데이터	숫자(2)	m2	선택	
	31	측구 터파기 발파암	데이터	숫자(2)	m2	선택	
	32	층따기 노상	데이터	숫자(2)	m2	선택	
	33	층따기 노체	데이터	숫자(2)	m2	선택	

기준형상

측점		km+m						<DESC>			
지반고		m		쌓기공	노제	㎡		연약지반처리	표토제거	㎡	
계획고		m			노상	㎡			센드매트	m	
토사다이크		㎡			녹지대	㎡			P.P매트	m	
답표토제거		m		노상준비공		m			PET15	m	
벌계제근		m		층따기	평떼	m			PET25	m	
깍기공	토사	㎡			리핑암	㎡			PET30	m	
	리핑암	㎡			발파암	㎡		측구터파기	토사	㎡	
	신설발파	㎡			줄떼	m			리핑암	㎡	
	확장발파	㎡			씨앗품기	m			발파암	㎡	
	미전동발파	㎡		되메우기		㎡		층따기	노상	㎡	
									전체	㎡	

비고

1. 해당 수량 항목은 횡단의 특성에 따라 변경 사용할 수 있다.
2. 해당 수량이 없는 경우는 공란으로 처리한다.
3. 규격화된 테이블에 수량배치가 어려운 경우 테이블 영역밖에 기입할 수 있다.
4. 토적은 양단평균법에 의한 수량적산이 가능한 단위와 값을 적용한다
   예) 토공(쌓기,깍기 등) : 토적표수량(㎡) x 측점간격(m) = 체적(㎥)

2.13 단지 횡단 토적집계표

테이블 명칭	단지 횡단 토적집계표	분류코드	C013

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	측점	데이터	문자	km+m(2)	필수	NO. 12+5.50
	2	특기사항(DESC)	데이터	문자	-	선택	
	3	지반고	데이터	숫자(2)	m	필수	19.92
	4	계획고	데이터	숫자(2)	m	필수	16.73
	5	절토 토사	데이터	숫자(2)	m2	선택	5.32
	6	절토 리핑암	데이터	숫자(2)	m2	선택	(이하 동일)
	7	절토 발파암	데이터	숫자(2)	m2	선택	
	8	되메우기 인력	데이터	숫자(2)	m2	선택	
	9	되메우기 기계	데이터	숫자(2)	m2	선택	
	10	성토	데이터	숫자(2)	m2	선택	
	11	터파기 토사	데이터	숫자(2)	m2	선택	
	12	터파기 리핑암	데이터	숫자(2)	m2	선택	
	13	터파기 발파암	데이터	숫자(2)	m2	선택	
	14	줄떼	데이터	숫자(2)	m	선택	
	15	평떼	데이터	숫자(2)	m	선택	
	16	녹생토	데이터	숫자(2)	m2	선택	

기준형상

측점		km+m		<DESC>			
지반고		m		성토		㎡	
계획고		m		터파기	토사	㎡	
절토	토사	㎡			리핑암	㎡	
	리핑암	㎡			발파암	㎡	
	발파암	㎡		줄떼		m	
되메우기	인력	㎡		평떼		m	
	기계	㎡		녹생토		㎡	

비고

1. 해당 수량 항목은 횡단의 특성에 따라 변경 사용할 수 있다.
2. 해당 수량이 없는 경우는 공란으로 처리한다.
3. 규격화된 테이블에 수량배치가 어려운 경우 테이블 영역밖에 기입할 수 있다.
4. 토적은 양단평균법에 의한 수량적산이 가능한 단위와 값을 적용한다
   예) 토공(쌓기,깍기 등) : 토적표수량(㎥) x 측점간격(m) = 체적(㎥)

2.14 관로 횡단 토적집계표

테이블 명칭	관로 횡단 토적집계표	분류코드	C014

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	측점	데이터	문자	km+m(2)	필수	NO. 12+5.50
	2	특기사항(DESC)	데이터	문자	-	선택	
	3	지반고	데이터	숫자(2)	m	필수	19.92
	4	관저고	데이터	숫자(2)	m	필수	16.76
	4	계획고	데이터	숫자(2)	m	필수	18.55
	6	되메우기 관상부	데이터	숫자(2)	m2	선택	5.32
	7	되메우기 관주위	데이터	숫자(2)	m2	선택	(이하 동일)
	8	모래부설	데이터	숫자(2)	m2	선택	
	9	표토제거	데이터	숫자(2)	m	선택	
	10	돌망태	데이터	숫자(2)	m	선택	
	11	암면고르기	데이터	숫자(2)	m	선택	
	12	터파기(육상) 토사	데이터	숫자(2)	m2	선택	
	13	터파기(육상) 풍화암	데이터	숫자(2)	m2	선택	
	14	터파기(육상) 연암	데이터	숫자(2)	m2	선택	
	15	터파기(수중) 토사	데이터	숫자(2)	m2	선택	
	16	터파기(수중) 풍화암	데이터	숫자(2)	m2	선택	
	17	터파기(수중) 연암	데이터	숫자(2)	m2	선택	
	18	A.S.P깨기 및 복구	데이터	숫자(2)	m2	선택	
	19	CON'C 깨기 및 복구	데이터	숫자(2)	m2	선택	
	20	보조기층	데이터	숫자(2)	m2	선택	

기준형상

측점		km+m		<DESC>			
지반고		m		터파기 (육상)	토사	㎡	
관저고		m			풍화암	㎡	
계획고		m			연암	㎡	
되메우기	관상부	㎡		터파기 (수중)	토사	㎡	
	관주위	㎡			풍화암	㎡	
모래부설		㎡			연암	㎡	
표토제거		m		ASP깨기및복구		㎡	
돌망태		m		CON'C깨기및복구		㎡	
암면고르기		m		보조기층		㎡	

비고	1. 해당 수량 항목은 횡단의 특성에 따라 변경 사용할 수 있다. 2. 해당 수량이 없는 경우는 공란으로 처리한다. 3. 규격화된 테이블에 수량배치가 어려운 경우 테이블 영역밖에 기입할 수 있다 4. 토적은 양단평균법에 의한 수량적산이 가능한 단위와 값을 적용한다 예) 토공(쌓기,깍기 등) : 토적표수량(㎡) x 측점간격(m) = 체적(㎥)

2.15 도로 횡배수구조물 집계표

테이블 명칭	도로 횡배수구조물 집계표	분류코드	C015

	번호	속성정보 항 목		자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
구성기준	1	측점		데이터	숫자(0)/문자	km+m	필수	STA. 1+840
	2	특기사항(DESC)		데이터	문자	-	선택	(보강흄관)
	3	지반고	M	데이터	숫자(2)	m	필수	37.99
	4	계획고	M	데이터	숫자(2)	m	필수	50.31
	5	최대토피	M	데이터	숫자(2)	m	필수	2.1
	6	사각	°	데이터	숫자(0)	각도(°)	필수	12°
	7	연장	M	데이터	숫자(2)	m	필수	88.3
	8	날개벽	1:1.5	데이터	숫자(0)	개소	선택	1
	9		1:1.8	데이터	숫자(0)	개소	선택	1
	10	배수관	MM	데이터	숫자[⌀](0)	mm	선택	1,000
	11	암거	M	데이터	[B](1)x[H](1)	m	선택	2.0x2.0
	12	도수로	쌓기부	데이터	숫자(2)	m	선택	6
	13		깍기부	데이터	숫자(2)	m	선택	5
	14	집수정	EA	데이터	숫자(0)	개소	선택	1
	15	집수거	EA	데이터	숫자(0)	개소	선택	1
	16	방수거	EA	데이터	숫자(0)	개소	선택	1

기준형상

측점		km+m		<DESC>			
지반고		m		배수관		mm	
계획고		m		암거		m	
최대토피		m		도수로	쌓기부	m	
사각		°			깍기부	m	
연장		m		집수정		개소	
날개벽	1:1.5	개소		집수거		개소	
	1:1.8	개소		방수거		개소	

비고

1. 날개벽은 쌓기부와 깍기부 인접 비탈면의 경사별 개소로 구분하여 표기한다.
2. 배수관은 직경(⌀)을, 암거는 폭(B)x높이(H) 규격을 표기한다.
3. 도수로는 쌓기부와 깍기부의 설치길이를 구분하여 표기한다.
4. 토적은 양단평균법에 의한 수량적산이 가능한 단위와 값을 적용한다
   예) 토공(쌓기,깍기 등) : 토적표수량(㎡) x 측점간격(m) = 체적(㎥)

2.16 측량점 제원표

테이블 명칭	측량점 제원표	분류코드	V001

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	NO	데이터	문자	-	필수	CP[TBM]-1
2	X	데이터	숫자(4)	m	필수	211323.2342
3	Y	데이터	숫자(4)	m	필수	326843.2158
4	Z	데이터	숫자(4)	m	필수	25.2376

기준형상

<NO.>		
X	m	
Y	m	
Z	m	

비고	1. NO. 항목은 측량표석점은 CP(Control Point), 가수준점은 TBM(Temporary Bench Mark)에 일련번호를 부여하여 표기한다.

2.17 구조물 일반 재료표

테이블 명칭	구조물 일반 재료표	분류코드	S001

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	타이틀	데이터	문자	-	선택	집수정 재료표
2	산출단위	데이터	문자	-	선택	(1개소당)
3	공종	리스트	문자	-	필수	콘크리트
4	규격		문자	-	필수	3종(ø40m/m)
5	단위		문자	var.	필수	M^3
6	수량		숫자(3)	var.	필수	0.876
7	비고		문자	var.	선택	

기준형상

재 료 표

(1개소당)

공종	규격	단위	수량	비고

비고

1. 대상 구조물의 종류에 따라 다양한 공종이 표기될 수 있다.
2. 수량 항목의 단위는 단위 항목에서 지정된다.

2.18 강구조물 재료 집계표

테이블 명칭	강구조물 재료 집계표	분류코드	S002

구성기준

번호	속성정보 항 목		속성정보 자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
1	타이틀		데이터	문자	-	선택	재료집계표
2	산출단위		데이터	문자	-	선택	(1개소당)
3	공종		리스트	문자	-	필수	강관
4	규격			문자	-	필수	⌀216.3x4.5t
5	단위			문자	var.	필수	m
6	수량			문자	var.	필수	7.36
7	단위중량			숫자(2)/문자	var.	필수	23.50kg/m
8	중량(KG)			숫자(2)	-	필수	172.96
9	비고			문자		선택	SS41
10	소계	중량(KG)	리스트	숫자(2)		선택	306.28
11	합계	중량(KG)	데이터	숫자(2)		선택	1,325.45

기준형상

재 료 집 계 표

(1개소당)

공종	규격	단위	수량	단위중량	중량(kg)	비고
소계						
소계						
합계						

비고

1. 대상 구조물의 종류에 따라 다양한 공종이 표기될 수 있다.
2. 동일 공종의 동일 단위일 경우 소계를 산출하여 중량항목에 표기할 수 있다.
3. 동일 공종 및 단위의 재료집계표일 경우 합계를 산출하여 중량항목에 표기할 수 있다.

2.19 철근 재료표

테이블 명칭	철근 재료표	분류코드	S003

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	데이터	문자	-	선택	
	2	산출단위	데이터	문자	-	선택	(1M당)
	3	번호	리스트	문자/숫자(0)	-	필수	W12[12]
	4	직경		문자	mm	필수	D[H]19
	5	길이(M)		숫자(3)	m	필수	5.563
	6	개수		숫자(0)	개	필수	32
	7	총길이(M)		숫자(3)	m	필수	178.016
	8	소계 총길이(M)	리스트	숫자(3)	m	필수	2,325.33
	9	소계 단위중량(KG/M)		숫자(3)	kg/m	필수	2.25
	10	소계 총중량(KG)		숫자(3)	kg	필수	5,231.98
	11	소계 비고		숫자(3)	ton	필수	5T.389
	12	합계 총중량(KG)	데이터	숫자(3)	kg	필수	52,435.24
	13	합계 비고	데이터	숫자(3)	ton	필수	54T.008

기준형상

철 근 재 료 표

(1m당)

번호	직경	길이(M)	개수	총길이(M)	단위중량	총중량	비고
	mm	M	개	m	kg/m	kg	ton
소계							
소계							
합계							

비고	1. 각 기재란은 철근 직경별로 분리하여 소계를 기재함을 원칙으로 한다. 2. 합계란에는 총중량과 할증을 가산한 전체중량을 비고란에 TON 단위로 기재한다. 3. 비고에는 할증률과 할증된 소계와 합계 수량을 TON 단위로 기재한다.

2.20 항만 수량구분 범례표

테이블 명칭	항만 수량구분 범례표	분류코드	C000H-XSEC1

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	번호	리스트	문자	var.	필수	2
2	공종 공종명	리스트	문자	-	필수	사석고르기
3	공종 공종구분	리스트	문자	-	선택	수중
4	규격	리스트	문자	var.	필수	0.015~0.03㎥/EA
5	단위	리스트	문자	-	필수	㎡
6	비고	리스트	문자	-	선택	

기준형상

수 량 구 분 범 례 표

번호	공종		규격	단위	비고
	공종명	공종구분			

비고	1. 공종 및 공종번호는 각 공사별로 전체 수량 항목에 일련 번호를 부여하고, 각 도면에 따라 동일한 공종번호를 일관되게 사용한다.

2.21 항만횡단 수량테이블(단위횡단)

테이블 명칭	항만횡단 수량테이블(단위횡단)	분류코드	C000H-XSEC2

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	측점	데이터	문자	-	필수	NO. 10
2	공종기호	리스트	숫자(0)	-	필수	2
3	공종수량	리스트	숫자(2)	var.	필수	5.74

기준형상

NO.

공종기호	공종수량	공종기호	공종수량	공종기호	공종수량	공종기호	공종수량

비고	1. 공종번호는 각 공사별로 전체 수량 항목에 일련 번호를 부여하고, 각 도면에 따라 동일한 공종 번호를 일관되게 사용한다.

2.22 항만횡단 수량테이블(복수횡단)

테이블 명칭	항만횡단 수량테이블(복수횡단)	분류코드	C000H-XSEC3

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	공종기호	리스트	숫자(0)	-	필수	2
2	측점(STA.)	리스트	문자	-	필수	NO.1
3	공종수량	리스트	숫자(2)	var.	필수	424.47

기준형상

공종 / STA.	1	2	3	4	5	6	7	8	9	10

비고	1. 공종번호는 각 공사별로 전체 수량 항목에 일련 번호를 부여하고, 각 도면에 따라 동일한 공종 번호를 일관되게 사용한다.

2.23 시설구역 테이블(ZONING TABLE)

테이블 명칭	시설구역 테이블(ZONING TABLE)	분류코드	C000H-FACL1

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	번호	리스트	숫자(0)	-	필수	1
2	시설구역	리스트	문자	-	필수	APRON
3	면적	리스트	숫자(3)	㎡	필수	263,168
5	비고	데이터	문자	var.	선택	B=82.24m
6	합계	데이터	숫자(3)	var.	필수	2,109,980

기준형상

시 설 구 역 테 이 블

번호	시설구역	면적(㎡)	비고
합계			

비고	

2.24 시설위치 좌표테이블

테이블 명칭	시설위치 좌표테이블	분류코드	C000H-FACL2

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	시설구분	리스트	문자	-	필수	QW-1
2	좌표 N	리스트	숫자(3)	m	필수	135,416.40
3	좌표 E	리스트	숫자(3)	m	필수	161,733.58

기준형상

시설구분	좌표	
	N	E
	m	m

비고	

2.25 연약지반개량 설계하중집계표

테이블 명칭	연약지반개량 설계하중집계표	분류코드	C000H-IMPV1

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	범례	데이터	이미지	-	필수	
2	시설구역	리스트	문자	-	필수	CONTAINER YARD
3	면적(㎡)	리스트	숫자(0)	㎡	선택	1,172,619
4	설계하중(t/㎡)	리스트	숫자(1)	t/㎡	선택	3.0

기준형상

범례	시설구역	면적(㎡)	설계하중(t/㎡)

비고	

2.26 항만 PBD수량집계표

테이블 명칭	항만 PBD수량집계표	분류코드	C000H-IMPV2

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	구분 공통구역	데이터	문자	-	필수	ZONE-II
2	구분 세부구역	데이터	문자	-	필수	F-1
3	번호	리스트	숫자(0)	-	필수	51
4	P.B.D 면적(㎡)	리스트	숫자(2)	㎡	필수	25046
5	P.B.D 길이(m)	리스트	숫자(2)	m	필수	44.00
6	총 길이(m)	리스트	숫자(0)	m	필수	489,764
7	PITCH(m)	리스트	문자	m	필수	1.5 x 4.5
8	소계	데이터	숫자(2)	var.	필수	385,557.07

기준형상

구분		번호	P.B.D면적	P.B.D길이	총길이	PITCH
공통구역	세부구역		㎡	m	m	m
소계						

비고	

2.27 철근집계표(A)

테이블 명칭	철근집계표(A)	분류코드	S003H-TYPEA

구성기준

번호	속성정보 항목		속성정보 자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
1	NO.		리스트	문자	-	필수	A1
2	DIA.		리스트	숫자(0)	-	필수	22
3	LENGTH (M)	A	리스트	숫자(2)	m	선택	19.95
4		B	리스트	숫자(2)	m	선택	1.15
5		C	리스트	숫자(2)	m	선택	2.25
6		LAP	리스트	숫자(2)	m	선택	1.93
7		HOOK	리스트	숫자(2)	m	선택	0.25
8		TOTAL	리스트	숫자(2)	m	필수	20.86
9	Q'TY(EA)		리스트	숫자(0)	EA	필수	59
10	WEIGHT	UNIT(KGM)	리스트	숫자(3)	kg/m	필수	3.044
11		TOTAL(TON)	리스트	숫자(3)	ton	필수	3.754
12	SKETCH		데이터	이미지	-	선택	
13	REMARK(ADD 3%)		리스트	숫자(3)	ton	필수	12.855
14	SUB TOTAL		리스트	숫자(3)	ton	필수	3.549
15	TOTAL		데이터	숫자(3)	ton	필수	18.042

기준형상

RE-BAR SCHEDULE

(PER 1BLOCK)

NO.	DIA.	LENGTH A	B	C	LAP	HOOK	TOTAL	Q'TY	WEIGHT UNIT	TOTAL	SKETCH	REMARK (ADD 3%)
		m	m	m	m	m	m	EA	kg/m	ton		ton
SUB TOTAL												
SUB TOTAL												
TOTAL												

비고

1. 각 기재란은 철근 직경별로 분리하여 소계를 기재함을 원칙으로 한다.
2. SUB TOTAL란에는 총중량과 할증을 가산한 전체중량을 비고란에 TON 단위로 기재한다.
3. REMARK에는 할증률과 할증된 소계와 합계 수량을 TON 단위로 기재한다.
4. 절곡철근의 단위길이는 철근의 형상에 따라 항목의 증감 혹은 생략이 가능하며, 이음(LAP)이나 HOOK이 없는 경우는 생략할 수 있다.

2.28 콘크리트블록 집계표

테이블 명칭	콘크리트블록 집계표	분류코드	S000H-CBLK1

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	형식	리스트	문자	-	필수	TYPE-A
2	블록규격(BxLxH)	리스트	문자	var.	필수	3.0BX3.0LX2.0H
3	개수(EA)	리스트	숫자(0)	EA	필수	47

기준형상

블 록 수 량 집 계 표

형식	블록규격	계수
	B×L×H	EA

비고	

2.29 콘크리트블록중량 테이블

테이블 명칭	콘크리트블록중량 테이블	분류코드	S000H-CBLK2

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	형식	리스트	문자	-	필수	A1
2	소요개수(EA)	리스트	숫자(0)	EA	필수	19
3	부피 (㎥) 1 BLOCK	리스트	숫자(2)	㎥	필수	29.07
4	부피 (㎥) 1 CAISSON	리스트	숫자(2)	㎥	필수	552.33
5	중량 (TON) 1 BLOCK	리스트	숫자(3)	TON	필수	68.794
6	중량 (TON) 1 CAISSON	리스트	숫자(3)	TON	필수	1,307.081
7	합계	데이터	숫자(3)	var.	필수	273.394

기준형상

콘 크 리 트 블 록 중 량 테 이 블

형식	소요개수	부피(㎥)		중량(ton)	
	EA	1BLOCK	1CAISSON	1BLOCK	1CAISSON
합계					

비고	

2.30 콘크리트블록규격 및 소요개수

테이블 명칭	콘크리트블록규격 및 소요개수	분류코드	S000H-CBLK2

구성기준

번호	속성정보 항 목		자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
1	형식		리스트	문자	-	필수	A1
2	블록규격(BXLXH)		리스트	문자	-	필수	5.0X2.98X2.0
3	소요개수 (PER 1CASSION)	1ST	리스트	숫자(0)	m	선택	8
4		2ND	리스트	숫자(0)	m	선택	6
5		3RD	리스트	숫자(0)	m	선택	4
6		4TH	리스트	숫자(0)	m	선택	2
7		5TH	리스트	숫자(0)	m	선택	1
8		6TH	리스트	숫자(0)	m	선택	3
9		소계	리스트	숫자(0)	m	필수	19
10	형상		데이터	이미지	m	필수	
11	합계		데이터	숫자(0)	m	필수	18

기준형상

콘 크 리 트 블 록 규 격 및 소 요 개 수 테 이 블

형식	블록규격	소요개수(PER 1 CASSION)							형상
		1ST	2ND	3RD	4TH	5TH	6TH	소계	
	B×L×H	m	m	m	m	m	m	m	m
합계									

비고	

2.31 항만 파일길이집계표

테이블 명칭	항만 파일길이집계표	분류코드	S000H-PILE1

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	PILE NO.	리스트	문자	-	필수	P76
	2	PILE DIA(mm)	리스트	문자	mm	필수	300X16t
	3	TOP DL.(+)	리스트	숫자(3)	m	필수	2.500
	4	TIP DL.(-)	리스트	숫자(3)	m	필수	34.900
	5	DESIGN LENGTH(m)	리스트	숫자(3)	m	필수	37.400
	6	PILE LENGTH(m) 1	리스트	숫자(1)	m	필수	15.0
	7	PILE LENGTH(m) 2	리스트	숫자(1)	m	필수	15.0
	8	PILE LENGTH(m) 3	리스트	숫자(1)	m	필수	9.0
	9	PILE LENGTH(m) 4	리스트	숫자(1)	m	필수	0.0
	10	PILE LENGTH(m) 5	리스트	숫자(1)	m	필수	0.0
	11	TOTAL LENGTH(m)	리스트	숫자(3)	m	필수	39.000
	12	NUMBERS OF PILE PER SIZE 9	리스트	숫자(0)	m	필수	1
	13	NUMBERS OF PILE PER SIZE 10	리스트	숫자(0)	m	필수	0
	14	NUMBERS OF PILE PER SIZE 11	리스트	숫자(0)	m	필수	0
	15	NUMBERS OF PILE PER SIZE 12	리스트	숫자(0)	m	필수	0
	16	NUMBERS OF PILE PER SIZE 13	리스트	숫자(0)	m	필수	0
	17	NUMBERS OF PILE PER SIZE 14	리스트	숫자(0)	m	필수	0
	18	NUMBERS OF PILE PER SIZE 15	리스트	숫자(0)	m	필수	2
	19	NUMBERS OF PILE PER SIZE TOTAL	리스트	숫자(0)	m	필수	3
	20	SPLICE(EA)	리스트	숫자(0)	EA	선택	2
	21	PILE LENGTH(m) 1	리스트	숫자(1)	m	선택	0.0
	22	PILE LENGTH(m) 2	리스트	숫자(1)	m	선택	14.0
	23	PILE LENGTH(m) 3	리스트	숫자(1)	m	선택	0.0
	24	PILE LENGTH(m) 4	리스트	숫자(1)	m	선택	0.0
	25	PILE LENGTH(m) 5	리스트	숫자(1)	m	선택	0.0
	26	TOTAL LENGTH(m)	리스트	숫자(1)	m	선택	14.0

기준형상

PILE NO.	PILE DIA.	TOP DL.(+)	TIP DL(-)	DESIGN LENGTH	PILE LENGTH(m)					TOTAL LENGTH	NUMBERS OF PILE PER SIZE(m)							
	mm	m	m	m	1	2	3	4	5	m	9.0	10.0	11.0	12.0	13.0	14.0	15.0	TOTAL

SPLICE	SLIP LAYER PILE LENGTH(m)					TOTAL LENGTH
EA	1	2	3	4	5	m

비고	1. 파일 이음부(SPLICE)가 없는 경우는 해당 항목을 생략할 수 있다.

2.32 보링주상도 좌표

테이블 명칭	보링주상도 좌표	분류코드	V000H-BORE1

구성기준

번호	속성정보			형 식	단 위	필수	비 고
	항 목		자료구조	(정밀도)		여부	
1	구분		데이터	문자	-	선택	기본설계
2	보링번호		리스트	문자	-	필수	BH-2
3	좌표	N	리스트	숫자(3)	m	필수	135,416.400
4	좌표	E	리스트	숫자(3)	m	필수	161,733.579

기준형상

구분	보링번호	좌표(m)	
		N	E

비고	1. 구분에는 보링주상도 심벌을 같이 표기할 수 있다.

2.33 등부표 좌표

테이블 명칭	등부표 좌표	분류코드	X000H-BUOY1

구성기준

번호	속성정보			형 식	단 위	필수	비 고
	항 목		자료구조	(정밀도)		여부	
1	구분		데이터	문자	-	선택	1차 설치
2	번호		리스트	숫자(0)	-	필수	2
3	좌표	N	리스트	숫자(3)	m	필수	135,416.400
4	좌표	E	리스트	숫자(3)	m	필수	161,733.579

기준형상

구분	번호	좌표(m)	
		N	E

비고	

3. 건축분야 도면 테이블 목록

3.1 건축개요

테이블 명칭	건축개요	분류코드	A001

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	타이틀		데이터	문자	-	선택	건축개요
	2	사업명 (또는 설계명, 공사명)		데이터	문자	-	필수	OO 오피스텔 신축공사
	3	대지현황	대지위치	데이터	문자	-	필수	서울시 OO구 OO동
	4		지역지구	데이터	문자	-	필수	중심상업지역
	5		대지면적	데이터	숫자(2)	m^2	필수	9,940.90 m^2
	6		도로현황	데이터	문자	m	필수	40m(동측),20m(서측)
	7	건축규모	용도	데이터	문자	-	필수	업무시설(오피스텔), 근린생활시설
	8		건축면적	데이터	숫자(2)	m^2	필수	5,990.42 m^2
	9		건폐율 법정	데이터	숫자(2)	%	선택	-
			건폐율 설계	데이터	숫자(2)	%	필수	60.26%
	10		연면적	데이터	숫자(2)	m^2	필수	80,341.36 m^2
	11		용적율 법정	데이터	숫자(2)	%	선택	-
			용적율 설계	데이터	숫자(2)	%	필수	525.70%
	12		구조	데이터	문자	-	필수	철근콘크리트구조
	13		층수	데이터	문자	-	선택	지하4층, 지상10층
	14		건물높이(또는 최고높이)	데이터	숫자(2)	m	선택	37.50 m
	15	주차대수	산정기준	데이터	숫자(0)	대	선택	-
	16		법정대수	데이터	숫자(0)	대	선택	-
	17		설계대수	데이터	숫자(0)	대	필수	1,051 대
	18	조경	법정 면적	데이터	숫자(2)	m^2	필수	-
	19		법정 비율	데이터	숫자(2)	%		-
	20		설계 면적	데이터	숫자(2)	m^2		1,829.34 m^2
	21		설계 비율	데이터	숫자(2)	%	선택	18.40%
	22	공개공지	법정 면적	데이터	숫자(2)	m^2	선택	-
	23		법정 비율	데이터	숫자(2)	%		-
	24		설계 면적	데이터	숫자(2)	m^2		935.16 m^2
	25		설계 비율	데이터	숫자(2)	%	선택	9.41%
	26	외장재료	지붕마감재	데이터	문자	-	선택	탄성도로/T30 화강석/알루미늄 쉬트접기
			주요외장재	데이터	문자	-	선택	콘크리트 평지붕
	27	기계설비		데이터	문자	-	선택	지역난방, 소화, 자동제어설비
	28	전기설비		데이터	문자	-	선택	수변전, 비상발전, 방송, 자동제어설비, 정보화2등급
	29	정화조		데이터	문자	-	선택	시오수관에 연결

기준형상

건 축 개 요

공사명			
대지현황	대지위치		
	지역지구		
	대지면적		
	도로현황		
건축규모	용도		
	건축면적		
	건폐율	법정	
		설계	
	연면적		
	용적율	법정	
		설계	
	구조		
	층수		
	건물높이		
주차대수	산정기준		
	법정대수		
	설계대수		
조경	법정	면적	
		비율	
	설계	면적	
		비율	
공개공지	법정	면적	
		비율	
	설계	면적	
		비율	
외장재료	지붕마감재		
	주요외장재		
기계설비			
전기설비			
정화조			

비고	1. 연면적은 지상층연면적 및 지하층연면적으로 세분할 수 있다. 2. 주차대수는 편의에 따라 주차면적, 시설별 주차대수, 차량종류별 주차대수 등으로 세분하여 작성할 수 있다.

3.2 토지목록표

테이블 명칭	토지목록표	분류코드	A002

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	데이터	문자	-	선택	토지목록표
	2	일련번호	리스트	숫자(0)	-	선택	1, 2, 3 …
	3	지번		문자	-	필수	211-1
	4	지목		문자	-	필수	도, 전, 구거, 임야
	5	면적		숫자(2)	m^2	필수	3,419.00 m^2
	6	합계 면적	데이터	숫자(2)	m^2	필수	51,276.00 m^2
	7	비고	데이터	문자	-	선택	-

기준형상

토 지 목 록 표

일련번호	지번	지목	면적	비고
합계				

비고	1. 면적을 m^2 및 평 단위로 중복 표기할 수 있다

3.3 구적표

테이블 명칭	구적표	분류코드	A003

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	타이틀	데이터	문자	-	선택	구적표
	2	일련번호	리스트	문자	-	필수	1, 2, 3 …
	3	산출근거 (또는 산식)		문자	m	필수	9.75 x 3.09 / 2
	4	면적		숫자(2)	m^2	필수	15.06 m^2
	5	합계 면적	데이터	숫자(2)	m^2	필수	4,768.00 m^2
	6	비고	리스트	문자	-	선택	-

기준형상

구 적 표

일련번호	산출근거	산출면적(M2)	비고
합계			

비고	1. 일련번호 항목은 구적도에 표시되는 기호를 표기한다.

3.4 층별면적산출표

테이블 명칭	층별면적산출표	분류코드	A004

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	타이틀	데이터	문자	-	선택	구적표
	2	일련번호	리스트	문자	-	필수	1, 2, 3 …
	3	산출근거 (또는 산식)		문자	m	필수	0.975 x 14.75
	4	면적		숫자(2)	m^2	필수	14.38 m^2
	5	합계 산출근거	데이터	문자	-	필수	1+2+3+4-A-B
	6	합계 면적	데이터	숫자(2)	m^2	필수	1,122.45 m^2
	7	비고	데이터	문자	-	선택	

기준형상

층 별 면 적 산 출 표

일련번호	산출근거	산출면적(M2)	비고
합계			

비고	1. 일련번호 항목은 건축평면도에 표시되는 기호를 표기한다.

3.5 실내재료마감표

테이블 명칭	실내재료마감표	분류코드	A005

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	데이터	문자	-	선택	실내재료마감표
	2	구분	리스트(시설별)	문자	-	선택	본관
	3	층별	리스트(층별)	문자	-	필수	1층
	4	실 번호	리스트	문자	-	선택	101
	5	실 실명		문자	-	필수	교무실
	6	바닥 바탕		문자	-	필수	구체콘크리트/시멘트몰탈
	7	바닥 마감		문자	-	필수	합성목재후로링
	8	바닥 마감두께		숫자(0)	mm	선택	30
	9	바닥 상세도		기호		선택	F08
	10	걸레걸이 바탕		문자	-	필수	시멘트 몰탈
	11	걸레걸이 마감		문자	-	필수	아크릴 페인트
	12	걸레걸이 마감높이		숫자(0)	mm	선택	100
	13	걸레걸이 상세도		기호		선택	F09
	14	벽 바탕		문자	-	필수	T18 시멘트 몰탈
	15	벽 마감		문자	-	필수	수성페이트 3회
	16	벽 마감두께		숫자(0)	mm	선택	18
	17	벽 상세도		기호		선택	C04
	18	천장 바탕		문자/숫자	-	필수	경량철골천정틀
	19	천장 마감		문자/숫자	-	필수	T6 지정텍스
	20	천장 천장고		숫자(0)	mm	선택	2,600
	21	천장 상세도		기호	-	선택	C02
	22	비고		문자	-	선택	-

기준형상

실 내 재 료 마 감 표

구분	층별	실		바닥				걸레받이				벽				천장				비고
		번호	실명	바탕	마감	마감두께	상세도	바탕	마감	마감높이	상세도	바탕	마감	마감두께	상세도	바탕	마감	천장고	상세도	

비고	

3.6 창호일람표

테이블 명칭	창호일람표	분류코드	A006

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	타이틀	데이터	문자	-	선택	창호일람표
	2	부호	데이터	문자	-	필수	
	3	위치	데이터	문자	-	필수	지하대피소
	4	개소	데이터	숫자(0)	개소	필수	3
	5	형태	이미지	벡터	-	필수	-
	6	프레임	데이터	문자	-	필수	45x100 T1.6 철판 위 현장도장
	7	유리마감	데이터	문자	-	필수	T0.8 양면철판 위 현장 도장
	8	부속철물	데이터	문자	-	필수	피봇힌지 상하 1조, 도어록 1조

기준형상

창 호 일 람 표

부호	
위치	
개소	
형태	
프레임	
유리마감	
부속철물	

비고	

3.7 상세도

테이블 명칭	상세도	분류코드	A007

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	타이틀	데이터	문자	-	선택	상세도
	2	상세도면	도형	-	-	필수	-
	3	상세번호	데이터	문자	-	필수	2
	4	상세도명	데이터	문자	-	필수	AT(방음문) 상세도
	5	축척	데이터	문자	-	필수	1:05

기준형상

비고	

3.8 보일람표

테이블 명칭	보일람표	분류코드	S004

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	데이터	문자	-	선택	보일람표
	2	부호	데이터	문자	-	필수	B1
	3	층별	데이터	문자	-	선택	-
	4	단면형태 내단부	도형	-	-	선택	-
	5	단면형태 중앙부/전단부			-	필수	-
	6	단면형태 외단부			-	선택	-
	7	크기	데이터	숫자(0)	mm	필수	400 x 600
	8	상부근 내단부	리스트	문자	var.	선택	10-HD22
	9	상부근 중앙부/전단부			var.	필수	3-HD22
	10	상부근 외단부			var.	선택	3-HD22
	11	하부근 내단부			var.	선택	4-HD22
	12	하부근 중앙부/전단부			var.	필수	3-HD22
	13	하부근 외단부			var.	선택	10-HD22
	14	늑근 내단부			mm	선택	HD13 @200
	15	늑근 중앙부/전단부			mm	필수	HD13 @250
	16	늑근 외단부			mm	선택	HD13 @200
	17	보조근			var.	선택	2-HD100

기준형상

보 일 람 표

층별	부호			
	단면형태			
		내단부	중앙부/전단부	내단부
	크기			
	상부근			
	하부근			
	늑근			
	보조근			

비고	1. 단면형태와 크기 정보를 한번에 기재할 경우, 크기 항목 생략 가능하다.

3.9 기둥일람표

테이블 명칭	기둥일람표	분류코드	S005

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	타이틀	데이터	문자	-	선택	기둥일람표
	2	부호	데이터	문자	-	필수	C1
	3	층별	데이터	문자	-	필수	지하층
	4	단면형태	도형	-	-	필수	-
	5	크기	데이터	문자	mm	필수	600 x 600
	6	주근	데이터	문자	var.	필수	12-HD22
	7	부근	데이터	문자	var.	선택	4-HD19
	8	대근	데이터	문자	mm	필수	D10 @300
	9	부대근	데이터	문자	mm	선택	D10 @900

기준형상

기 둥 일 람 표

층별	부호	
	단면형태	
	크기	
	주근	
	부근	
	대근	
	부대근	

비고	1. 단면형태와 크기 정보를 한번에 기재할 경우, 크기 항목 생략 가능하다.

3.10 슬라브일람표

테이블 명칭	슬라브일람표	분류코드	S006

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	데이터	문자	-	선택	슬라브일람표
	2	부호	리스트	기호/문자	-	필수	$_1S_1$
	3	형태		기호	-	필수	A
	4	두께		숫자(0)	mm	필수	150
	5	단면중앙부철근(Lx1) 상부근(X_1)		문자	mm	필수	HD10 @200
	6	절곡근(X_2)		문자	mm	필수	HD10 @200
	7	하부근(X_3)		문자	mm	선택	"
		단변단부철근(Lx2) 상부근(X_4)		문자	mm	선택	"
		하부근(X_5)		문자	mm	선택	"
	8	장변중앙부철근(Ly1) 상부근(Y_1)		문자	mm	필수	HD10 @300
	9	절곡근(Y_2)		문자	mm	필수	HD10 @300
	10	하부근(Y_3)		문자	mm	선택	"
		장변단부철근(Ly2) 상부근(Y_4)		문자	mm	선택	"
		하부근(Y_5)		문자	mm	선택	"
	11	비고	데이터	문자	-	선택	-

기준형상

슬 라 브 일 람 표

부호	형태	두께	단변중앙부철근(Lx1)			단변단부철근(Lx2)		장변중앙부철근(Ly1)			장변단부철근(Ly2)		비고

비고	1. 슬라브 형태에 대한 범례를 작성하여 형태 항목에는 기호로 기재한다. 2. 단변 및 장변의 철근 속성정보는 슬라브 형태에 따라 배근을 기입한다. 본 예는 4변 고정 장방형 슬라브이다.

3.11 철골보일람표

테이블 명칭	철골보일람표	분류코드	S007

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	데이터	문자	-	선택	철골보일람표
	2	Number	리스트	문자	-	필수	G4
	3	Member		문자	mm	필수	H-596x199x10x15
	4	Joint Interior		문자	-	필수	GJ4
	5	Joint Exterior			-	필수	BJ4C
	6	Stud		문자	var.	선택	1-⌀19@200
	7	Remark		문자	-	선택	-

기준형상

철 골 보 일 람 표

NUMBER	MEMBER	JOINT		STUD	REMARK
		INT	EXT		

비고	1. Joint의 기재 정보는 각각의 유형별 상세도와 연계하여 사용할 수 있다

3.12 철골기둥일람표

테이블 명칭	철골기둥일람표	분류코드	S008

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	타이틀	데이터	문자	-	선택	철골기둥일람표
	2	Number	리스트	문자	-	필수	1
	3	Member		문자	mm	필수	H-498x300x11x18
	4	Remark		문자	-	선택	SS 41

기준형상

철 골 기 둥 일 람 표

NUMBER	MEMBER	REMARK

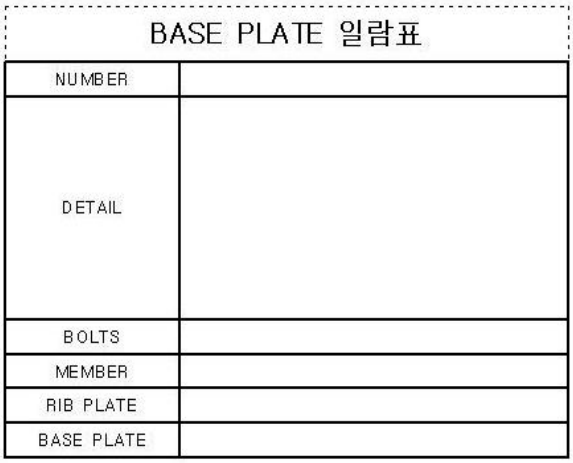
비고	

3.13 BASE PLATE 일람표

테이블 명칭	BASE PLATE 일람표	분류코드	S009

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	데이터	문자	-	선택	베이스플레이트 일람표
	2	Number	데이터	문자	-	필수	BP1
	3	Detail	도형	-	-	필수	-
	4	Bolts	데이터	문자	var.	필수	4-⌀32 L=100
	5	Member	데이터	문자	mm	필수	50H-480x480x40x50
	6	Rib Plate	데이터	문자	mm	선택	300x30
	7	Base Plate	데이터	문자	mm	필수	650x650x60

기준형상



비고	

3.14 철골접합상세

테이블 명칭	철골접합상세	분류코드	S010

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	타이틀		데이터	문자	-	선택	철골접합상세
	2	Connection Name		데이터	문자	-	필수	CJ1-1
	3	Detail		도형	-	-	필수	-
	4	Member	Member1	데이터	문자	mm	필수	50H-440x440x20x30
	5		Member2			mm	필수	50H-440x450x30x30
	6	Cover	Flange Ext	데이터	문자	var.	선택	-
	7		Flange Int			var.	선택	-
	8		Web			var.	선택	2PLS-320x480x12
	9	Filler	Flange Ext	데이터	문자	var.	선택	-
	10		Flange Int			var.	선택	-
	11		Web			var.	선택	2PLS-320x240x5
	12	Stiffner	Flange Ext	데이터	문자	var.	선택	-
	13		Flange Int			var.	선택	-
	14		Web			var.	선택	-
	15	Bolts		데이터	문자	var.	필수	20-M24
	16	Remarks		데이터	문자	var.	선택	-

기준형상

비고	

4. 기계설비분야 도면 테이블 목록

4.1 장비일람표

테이블 명칭	장비일람표	분류코드	M001

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	기호	리스트	문자	-	필수	CU-2
	2	명칭		문자	-	필수	컴팩트형 열교환 유니트
	3	수량		숫자(0)	개(대)	필수	1
	4	비고		문자	-	선택	오피스텔용

기준형상

장비일람표

기호	명칭	수량	비고

비고	

4.2 밸런싱 밸브 일람표

테이블 명칭	밸런싱 밸브 일람표	분류코드	M002

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	장비번호	리스트	문자/기호	-	필수	
	2	수량		숫자(0)	개	필수	
	3	용도		문자	-	필수	
	4	형식		문자	-	필수	
	5	설치위치		문자	-	선택	
	6	유량 최소		숫자(0)	Lpm	선택	
	7	유량 최대		숫자(0)	Lpm	선택	
	8	규격		숫자(0)	mm	선택	
	9	압력		숫자(0)	Kg/cm^2g	선택	
	10	밸브형식		문자	-	선택	
	11	밸브연결		문자	-	선택	
	12	설계기준 제품모델		문자	-	선택	
	13	비고		문자	-	선택	

기준형상

밸런싱 밸브 일람표

장비 번호	수량	용도	형식	설치위치	유량		규격	압력	밸브형식	밸브형식	설계기준 제품모델	비고
					최소 Lpm	최대 Lpm	mm	kg/㎠g				

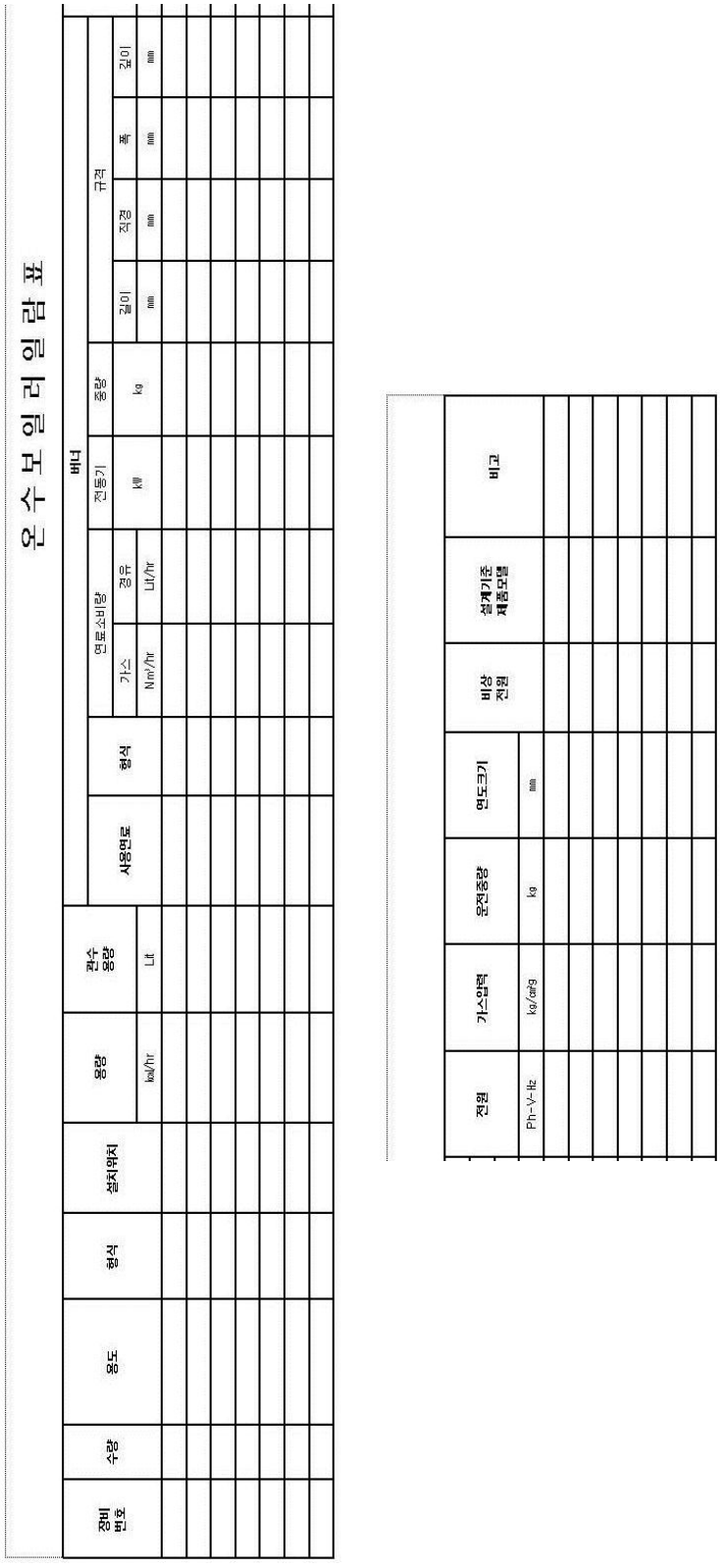
비고	

4.3 온수보일러 일람표

테이블 명칭	온수보일러 일람표	분류코드	M003

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	용량			숫자(0)	Kcal/hr	선택	
	7	관수용량			숫자(0)	Lit	선택	
	8	버너	사용연료		문자	-	선택	
	9		형식		문자	-	선택	
	10		연료소비량	가스	숫자(0)	Nm3/hr	선택	
	11			경유	숫자(0)	Lit/hr	선택	
	12		전동기		숫자(1)	Kw	선택	
	13		중량		숫자(0)	Kg	선택	
	14		규격	길이	숫자(0)	mm	선택	
	15			직경	숫자(0)	mm	선택	
	16			폭	숫자(0)	mm	선택	
	17			깊이	숫자(0)	mm	선택	
	18	전원			문자	Ph-V-Hz	선택	
	19	가스압력			숫자(0)	Kg/cm2g	선택	
	20	사용압력			숫자(0)	Kg/cm2g	선택	
	21	운전중량			숫자(1)	Kg	선택	
	22	연도크기			숫자(0)	mm	선택	
	23	비상전원			문자	-	선택	
	24	설계기준 제품모델			문자	-	선택	
	25	비고			문자	-	선택	

기준형상


온수보일러일람표
버너
장비 번호
수량
용도
형식
설치위치
용량
kg/hr
공수 용량
Lit
사용연료
형식
연료소비량
가스
Nm³/hr
경유
Lit/hr
전동기
kW
중량
kg
규격
길이
mm
직경
mm
폭
mm
깊이
mm
전원
Ph-V-Hz
가스압력
kg/cm²g
운전중량
kg
연도크기
mm
비상 전원
설계기준 제품모델
비고

비고	

4.4 흡수식 냉동기 일람표

테이블 명칭	흡수식 냉동기 일람표	분류코드	M004

	번호	속성정보		자료구조	형 식	단 위	필수	비 고
		항 목			(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	용량			숫자(0)	USRT	선택	
	7	증발기	유량		숫자(0)	Lpm	선택	
	8		수온	입구	숫자(1)	° C	선택	
	9			출구	숫자(1)	° C	선택	
	10		손실수두		숫자(0)	mAq	선택	
	11		사용압력		숫자(0)	Kg/cm2g	선택	
	12		중량		숫자(0)	Kg	선택	
	13		규격	길이	숫자(0)	mm	선택	
	14			직경	숫자(0)	mm	선택	
	15			폭	숫자(0)	mm	선택	
	16			깊이	숫자(0)	mm	선택	
	17	응측기	유량		숫자(0)	Lpm	선택	
	18		수온	입구	숫자(1)	° C	선택	
	19			출구	숫자(1)	° C	선택	
	20		손실수두		숫자(0)	mAq	선택	
	21		사용압력		숫자(0)	Kg/cm2g	선택	
	22		중량		숫자(0)	Kg	선택	
	23		규격	길이	숫자(0)	mm	선택	
	24			직경	숫자(0)	mm	선택	
	25			폭	숫자(0)	mm	선택	
	26			깊이	숫자(0)	mm	선택	
	27	증기	압력		숫자(0)	Kg/cm2g	선택	
	28		소비량		숫자(0)	Kg/hr	선택	
	29	동력	전원용량		숫자(1)	KVA	선택	
	30		전원		숫자(0)	Ph-V-Hz	선택	
	31	운전중량			숫자(1)	Kg	선택	
	32	비상전원			문자	-	선택	
	33	설계기준 제품모델			문자	-	선택	
	34	비고			문자	-	선택	

기준형상

흡수식냉동기일람표

장비번호	수량	용도	형식	설치위치	용량	증발기												응축기							
						유량	수온℃		손실수두	사용압력	중량	규격						유량	수온℃		손실수두	사용압력	중량
							입구	출구				길이	직경	폭	길이								
					USRT	Lpm			mAq	kg/㎠g	kg	mm	mm	mm	mm	Lpm			mAq	kg/㎠g	kg	

규격				증기		동력			운전중량	비상전원	설계기준 제품모델	비고
길이	직경	폭	길이	압력	소비량	전원용량	전원					
mm	mm	mm	mm	kg/㎠g	kg/hr	KVA	Ph-V-Hz	kg				

비고	

4.5 냉각탑 일람표

테이블 명칭	냉각탑 일람표	분류코드	M005

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	용량			숫자(0)	Kcal/hr	선택	
	7	송풍기	형식		문자	-	선택	
	8		풍량		숫자(0)	m3/hr	선택	
	9		전동기		숫자(1)	kW	선택	
	10	응측기	순환수량		숫자(0)	Lpm	선택	
	11		수온	입구	숫자(1)	° C	선택	
	12			출구	숫자(1)	° C	선택	
	13		손실수두		숫자(0)	mAq	선택	
	14	외기조건	DB		숫자(1)	° C	선택	
	15		WB		숫자(1)	° C	선택	
	16	산수압 손실			숫자(0)	Kg/cm2g	선택	
	17	전원			숫자(0)	Ph-V-Hz	선택	
	18	운전중량			숫자(1)	Kg	선택	
	19	비상전원			문자	-	선택	
	20	설계기준 제품모델			문자	-	선택	
	21	비고			문자	-	선택	

기준형상

냉각탑일람표

장비번호	수량	용도	형식	설치위치	용량	송풍기			응축기				외기조건		산수압손실	전원	운전중량	비상전원	설계기준제품모델	비고
						형식	풍량	전동기	순환수량	수온℃		손실수두	DB	WB						
					kcal/hr		m^3/hr	㎾	Lpm	입구	출구	mAq	℃	℃	kg/cm^2g	Ph-V-Hz	kg			

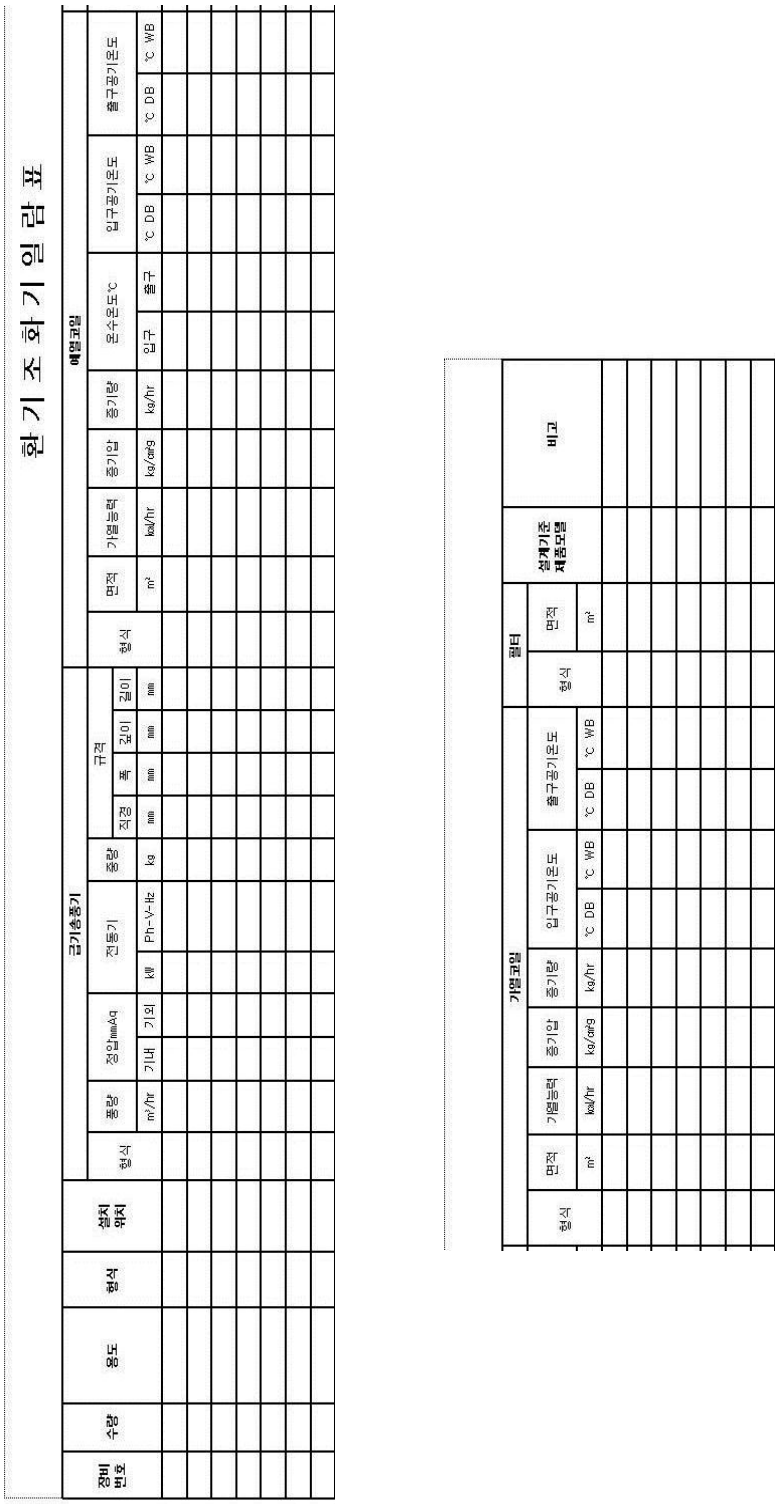
비고	

4.6 환기조화기 일람표

테이블 명칭	환기조화기 일람표	분류코드	M006

	번호	속성정보		자료구조	형 식	단 위	필수	비 고
		항 목			(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	급기송풍기	형식		문자	-	선택	
	7		풍량		숫자(0)	m3/hr	선택	
	8		정압	기내	숫자(0)	mmAq	선택	
	9			기외	숫자(0)	mmAq	선택	
	10		전동기	동력	숫자(1)	kW	선택	
	11			전원	숫자(0)	Ph-V-Hz	선택	
	12		중량		숫자(0)	Kg	선택	
	13		규격	길이	숫자(0)	mm	선택	
	14			직경	숫자(0)	mm	선택	
	15			폭	숫자(0)	mm	선택	
	16			깊이	숫자(0)	mm	선택	
	17	예열코일	형식		문자	-	선택	
	18		면적		숫자(1)	m2	선택	
	19		가열능력		숫자(0)	Kcal/hr	선택	
	20		증기압		숫자(0)	Kg/cm2g	선택	
	21		증기량		숫자(0)	Kg/hr	선택	
	22		온수온도	입구	숫자(0)	° C	선택	
	23			출구	숫자(0)	° C	선택	
	24		입구공기온도	DB	숫자(1)	° C	선택	
	25			WB	숫자(1)	° C	선택	
	26		출구공기온도	DB	숫자(1)	° C	선택	
	27			WB	숫자(1)	° C	선택	
	28	가열코일	형식		문자	-	선택	
	29		면적		숫자(1)	m2	선택	
	30		가열능력		숫자(0)	Kcal/hr	선택	
	31		증기압		숫자(0)	Kg/cm2g	선택	
	32		증기량		숫자(0)	Kg/hr	선택	
	33		입구공기온도	DB	숫자(1)	° C	선택	
	34			WB	숫자(1)	° C	선택	
	35		출구공기온도	DB	숫자(1)	° C	선택	
	36			WB	숫자(1)	° C	선택	
	37	필터	형식		문자	-	선택	
	38		면적		숫자(1)	m2	선택	
	39	설계기준 제품모델			문자	-	선택	
	40	비고			문자	-	선택	

기준형상



환 기 조 화 기 일 람 표

장비번호	수량	용도	형식	설치위치	급기송풍기										예열코일											
					형식	풍량	정압mmAq		전동기		중량	규격			형식	면적	가열능력	증기압	증기량	온수온도℃		입구공기온도		출구공기온도	
							기내	기외	상	Ph-V-Hz		직경	폭	깊이						입구	출구	℃ DB	℃ WB	℃ DB	℃ WB
						m³/hr					kg	mm	mm	mm		m²	kcal/hr	kg/cm²	kg/hr						

기열코일									팬터			비고
형식	면적	가열능력	증기압	증기량	입구공기온도		출구공기온도		형식	면적	설계기준 제품모델	
	m²	kcal/hr	kg/cm²g	kg/hr	℃ DB	℃ WB	℃ DB	℃ WB		m²		

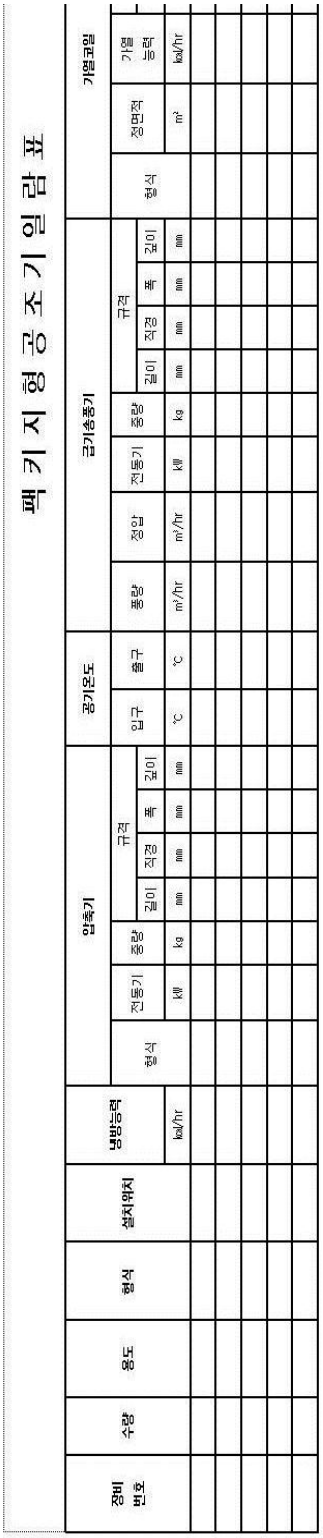
비고	

4.7 팩키지형 공조기 일람표

테이블 명칭	팩키지형 공조기 일람표	분류코드	M007

	번호	속성정보			자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
		항 목							
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	냉방능력				숫자(0)	Kcal/hr	선택	
	7	압축기	형식			문자	-	선택	
	8		전동기			숫자(1)	kW	선택	
	9		중량			숫자(0)	Kg	선택	
	10		규격	길이		숫자(0)	mm	선택	
	11			직경		숫자(0)	mm	선택	
	12			폭		숫자(0)	mm	선택	
	13			깊이		숫자(0)	mm	선택	
	14	공기 온도	입구			숫자(1)	° C	선택	
	15		출구			숫자(1)	° C	선택	
	16	급기 송풍기	풍량			숫자(0)	m3/hr	선택	
	17		정압			숫자(1)	mmAq	선택	
	18		전동기			숫자(1)	kW	선택	
	19		중량			숫자(0)	Kg	선택	
	20		규격	길이		숫자(0)	mm	선택	
	21			직경		숫자(0)	mm	선택	
	22			폭		숫자(0)	mm	선택	
	23			깊이		숫자(0)	mm	선택	
	24	가열 코일	형식			문자	-	선택	
	25		정면적			숫자(1)	m2	선택	
	26		가열능력			숫자(0)	Kcal/hr	선택	
	27		공기 온도	입구		숫자(1)	° C	선택	
	28			출구		숫자(1)	° C	선택	
	29	냉각수	온도	입구		숫자(1)	° C	선택	
	30			출구		숫자(1)	° C	선택	
	31		유량			숫자(0)	Lpm	선택	
	32		손실수두			숫자(1)	mAq	선택	
	33	실외기	풍량			숫자(0)	m3/hr	선택	
	34		전동기			숫자(1)	kW	선택	
	35	전원				숫자(0)	Ph-V-Hz	선택	
	36	필터	형식			문자	-	선택	
	37		면적			숫자(1)	m2	선택	
	38	설계기준 제품모델				문자	-	선택	
	39	비고				문자	-	선택	

기준형상



팩키지형공조기일람표

장비 번호	수량	용도	형식	설치위치	냉방능력	압축기							공기온도		급기송풍기								기열교환		
						형식	전동기	풍량	규격				입구	출구	풍량	정압	전동기	풍량	규격				형식	정면적	기열 능력
									길이	직경	폭	길이							길이	직경	폭	길이			
					kal/hr		kW	kg	mm	mm	mm	mm	℃	℃	m³/hr	m³/hr	kW	kg	mm	mm	mm	mm		m²	kal/hr

	냉각수					설외기		전원	필터		설계기준 제품모델	비고
	공기온도	온도			손실 수두	풍량	전동기	Ph-V-Hz	형식	면적		
	입구	출구	입구	출구	유량							
	℃	℃	℃	℃	Lpm	mAq	m³/hr	kW		m²		

비고	

4.8 탱크 일람표

테이블 명칭	탱크 일람표	분류코드	M008

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			자료구조	(정밀도)		여부	
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	용량				숫자(0)	m3	선택	
	7	재질				문자	-	선택	
	8	케이싱	재질			문자	-	선택	
	9		두께			숫자(1)	mm	선택	
	10	규격	원형	직경		숫자(0)	m	선택	
	11			길이		숫자(0)	m	선택	
	12		각형	가로		숫자(0)	m	선택	
	13			세로		숫자(0)	m	선택	
	14			높이		숫자(0)	m	선택	
	15		중량			숫자(0)	ton	선택	
	16	도장	내부			문자	-	선택	
	17		외부			문자	-	선택	
	18	단열 및 마감				문자	-	선택	
	19	설계기준 제품모델				문자	-	선택	
	20	비고				문자	-	선택	

기준형상

탱 크 일 람 표

장비 번호	수량	용도	형식	설치위치	용량	재질	케이싱			규격							도장		단열 및 마감	설계기준 제품모델	비고
					m^3		재질	두께		원형 mm		각형 mm					내부	외부			
										직경	길이	가로	세로	높이	중량	ton					

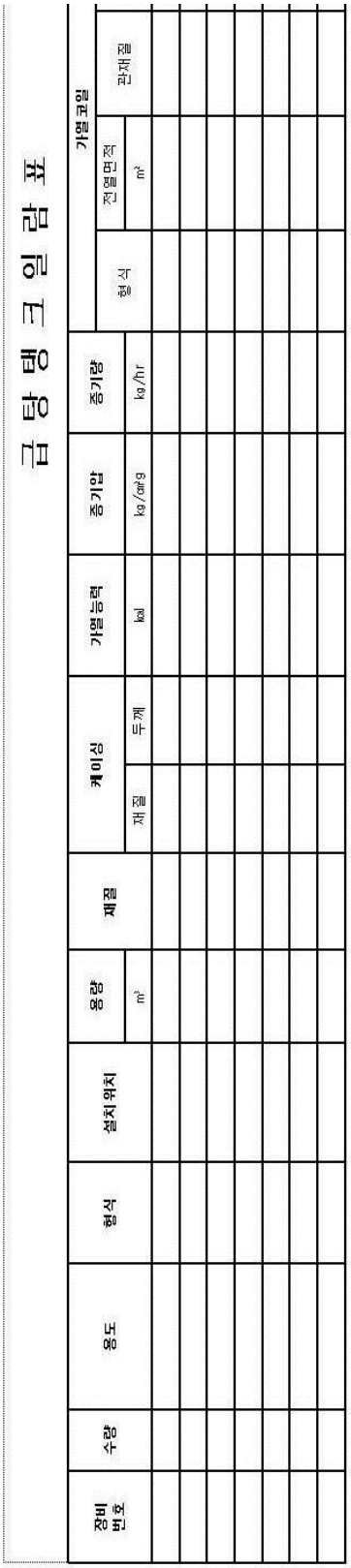
비고

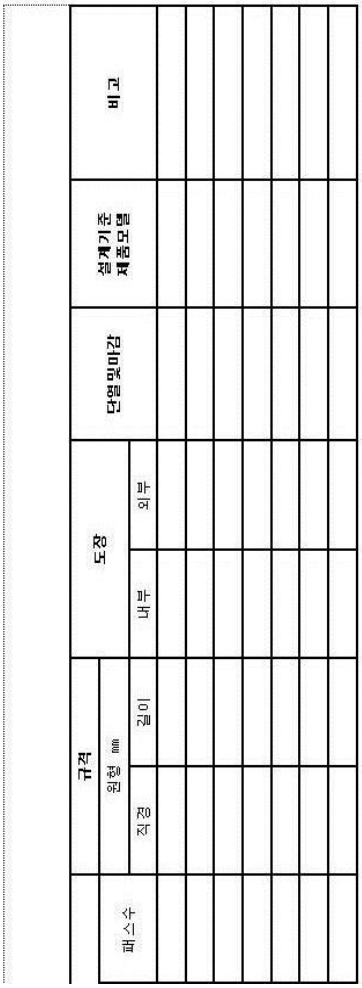
4.9 급탕탱크 일람표

테이블 명칭	급탕탱크 일람표	분류코드	M009

	번호	속성정보		자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
		항 목						
구성기준	1	장비번호		리스트	문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	용량			숫자(0)	m3	선택	
	7	재질			문자	-	선택	
	8	케이싱	재질		문자	-	선택	
	9		두께		숫자(1)	mm	선택	
	10	가열능력			숫자(0)	Kcal/hr	선택	
	11	증기압			숫자(1)	Kg/cm2g	선택	
	12	증기량			숫자(0)	Kg/hr	선택	
	13	가열코일	형식		문자	-	선택	
	14		전열면적		숫자(1)	m2	선택	
	15		관재질		문자	-	선택	
	16		패스수		숫자(0)	개소	선택	
	17	규격	원형	직경	숫자(0)	mm	선택	
	18			길이	숫자(0)	mm	선택	
	19		중량		숫자(0)	ton	선택	
	20	도장	내부		문자	-	선택	
	21		외부		문자	-	선택	
	22	단열 및 마감			문자	-	선택	
	23	설계기준 제품모델			문자	-	선택	
	24	비고			문자	-	선택	

기준형상


급탕탱크일람표
장비번호
수량
용도
형식
설치위치
용량
m³
재질
케이싱
재질
두께
가열능력
kal
증기압
kg/cm²g
증기량
kg/hr
가열코일
형식
전열면적
m²
관재질


규격
원형 mm
직경
길이
도장
내부
외부
단열및마감
설계기준
제품모델
비고
패스수

비고	

4.10 펌프 일람표

테이블 명칭	펌프 일람표	분류코드	M010

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	장비번호	리스트	문자/기호	-	필수	
	2	수량		숫자(0)	대	필수	
	3	용도		문자	-	필수	
	4	형식		문자	-	필수	
	5	설치위치		문자	-	선택	
	6	유량		숫자(0)	Lpm	선택	
	7	양정		숫자(0)	m	선택	
	8	중량		숫자(0)	Kg	선택	
	9	구경 흡입		숫자(0)	mm	선택	
	10	구경 토출		숫자(0)	mm	선택	
	11	전동기 동력		숫자(1)	kW	선택	
	12	전동기 전원		숫자(1)	Ph-V-Hz	선택	
	13	최고 사용압		숫자(1)	Kg/cm2g	선택	
	14	MECHNICAL SEAL 사용여부		문자	-	선택	
	15	방진장치		문자	-	선택	
	16	예비		문자	-	선택	
	17	비상전원		문자	-	선택	
	18	설계기준 제품모델		문자	-	선택	
	19	비고		문자	-	선택	

기준형상

펌프일람표

장비번호	수량	용도	형식	설치위치	유량	양정	구경		전동기	
							흡입	토출		
					Lpm	m	mm	mm	kW	Ph-V-Hz

최고사용압	MECHANICAL SEAL 사용여부	방진장치	예비	비상전원	설계기준 제품모델	비고
kg/cm²g						

비고	

4.11 열교환기 일람표

테이블 명칭	열교환기 일람표	분류코드	M011

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			자료구조	(정밀도)		여부	
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	가열능력				숫자(0)	Kcal/hr	선택	
	7	증기압				숫자(1)	Kg/cm2g	선택	
	8	증기량				숫자(0)	Kg/hr	선택	
	9	규격	원형	직경		숫자(0)	m	선택	
	10			길이		숫자(0)	m	선택	
	11		각형	가로		숫자(0)	m	선택	
	12			세로		숫자(0)	m	선택	
	13			높이		숫자(0)	m	선택	
	14		중량			숫자(1)	Kg	선택	
	15	온수 온도	입구			숫자(0)	° C	선택	
	16		출구			숫자(0)	° C	선택	
	17		사용압			숫자(1)	Kg/cm2g	선택	
	18	가열 코일	전열면적			숫자(0)	m2	선택	
	19		재질			문자	-	선택	
	20		온수 온도	입구		숫자(0)	° C	선택	
	21			출구		숫자(0)	° C	선택	
	22	손실수두				숫자(1)	mAq	선택	
	23	도장	내부			문자	-	선택	
	24		외부			문자	-	선택	
	25	단열 및 마감				문자	-	선택	
	26	설계기준 제품모델				문자	-	선택	
	27	비고				문자	-	선택	

기준형상

열교환기 일람표

장비 번호	수량	용도	형식	설치 위치	가열 능력	증기압	증기량	규격						온수온도		
								원형		각형			중 량	입구	출구	사용압
								직경	길이	가로	세로	높이			
					Kcal/hr	Kg/cm²g	Kg/hr	m	m	m	m	m	Kg	℃	℃	Kg/cm²g

가열코일					손실수두	도장		단열 및 마감	중량		설계기준 제품모델	비고
전열 면적	재질	온수온도				내부	외부					
		입구	출구									
㎡		℃	℃		m Ag					Kg		

비고	

4.12 열교환기(온수용) 일람표

테이블 명칭	열교환기(온수용) 일람표	분류코드	M012

	번호	속성정보			자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
		항 목							
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	규격	원형	직경		숫자(0)	m	선택	
	7			길이		숫자(0)	m	선택	
	8		각형	가로		숫자(0)	m	선택	
	9			세로		숫자(0)	m	선택	
	10			높이		숫자(0)	m	선택	
	11		중량			숫자(1)	Kg	선택	
	12	중온수 온도	유량			숫자(1)	Lpm	선택	
	13		입구			숫자(0)	° C	선택	
	14		출구			숫자(0)	° C	선택	
	15		사용압			숫자(1)	Kg/cm2g	선택	
	16	온수 온도	입구			숫자(0)	° C	선택	
	17		출구			숫자(0)	° C	선택	
	18		사용압			숫자(1)	Kg/cm2g	선택	
	19	가열 코일	전열면적			숫자(1)	m2	선택	
	20		재질			문자	-	선택	
	21		온수 온도	입구		숫자(0)	° C	선택	
	22			출구		숫자(0)	° C	선택	
	23	손실수두				숫자(1)	mAq	선택	
	24	도장	내부			문자	-	선택	
	25		외부			문자	-	선택	
	26	단열 및 마감				문자	-	선택	
	27	설계기준제품모델				문자	-	선택	
	28	비고				문자	-	선택	

기준형상

열교환기(온수용) 일람표

장비 번호	수량	용도	형식	설치위치	규격						중온수 온도					온수온도			
					원형		각형				중량	유량	입구	출구	사용압	입구	출구	사용압	
					직경	길이	가로	세로	높이										
					m	m	m	m	m	Kg	Lpm	℃	℃	Kg/cm²g	℃	℃	Kg/cm²g		

가열코일						손실수두	도장		단열 및 마감	중량	설계기준 제품모델	비고
전열면적	재질	온수온도					내부	외부				
		입구	출구									
㎡		℃	℃			mAq				Kg		

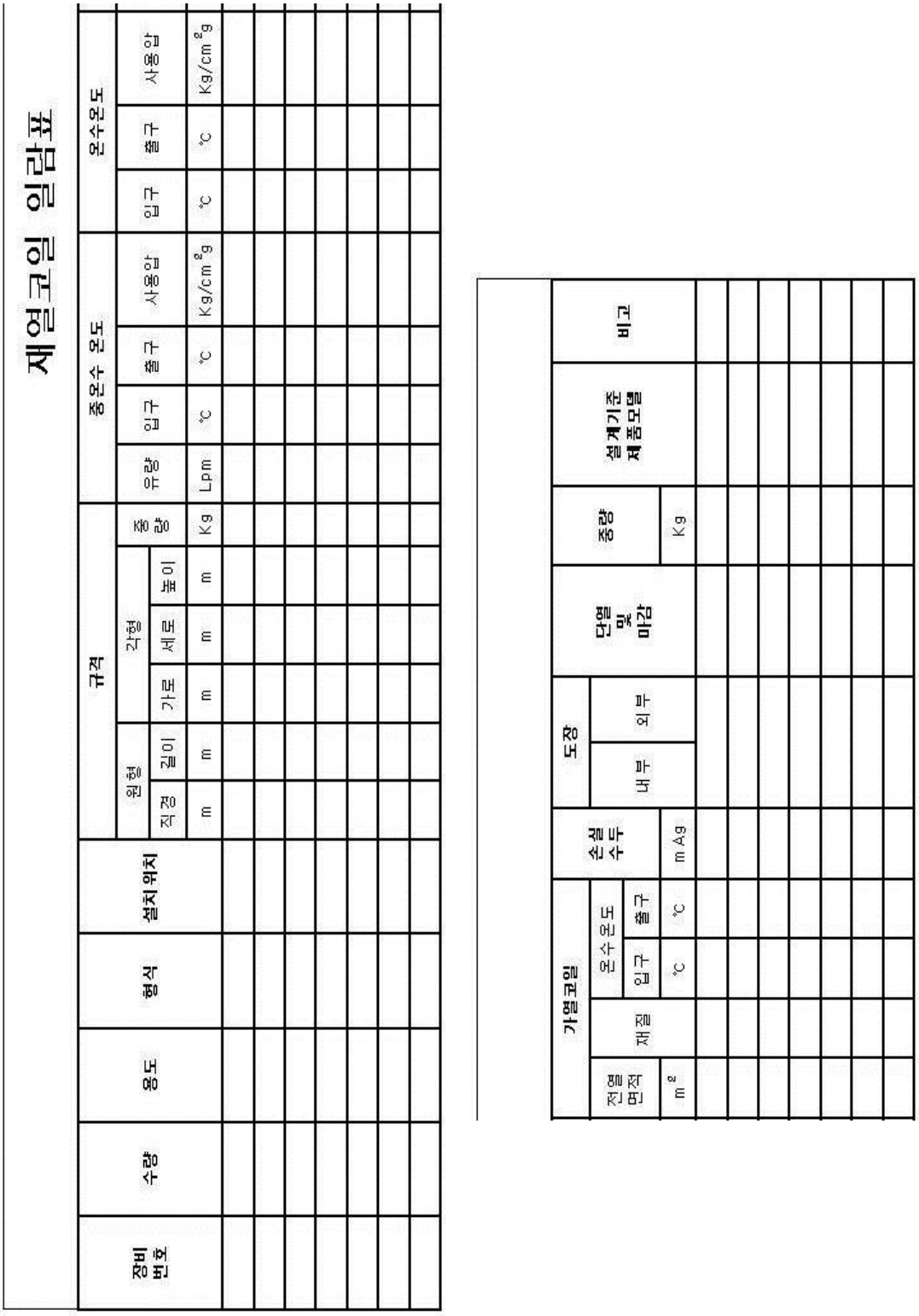
비고	

4.13 재열코일 일람표

테이블 명칭	재열코일 일람표	분류코드	M013

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			자료구조	(정밀도)		여부	
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	규격	원형	직경		숫자(0)	m	선택	
	7			길이		숫자(0)	m	선택	
	8		각형	가로		숫자(0)	m	선택	
	9			세로		숫자(0)	m	선택	
	10			높이		숫자(0)	m	선택	
	11		중량			숫자(1)	Kg	선택	
	12	중온수 온도	유량			숫자(1)	Lpm	선택	
	13		입구			숫자(0)	° C	선택	
	14		출구			숫자(0)	° C	선택	
	15		사용압			숫자(1)	Kg/cm2g	선택	
	16	온수 온도	입구			숫자(0)	° C	선택	
	17		출구			숫자(0)	° C	선택	
	18		사용압			숫자(1)	Kg/cm2g	선택	
	19	가열 코일	전열면적			숫자(1)	m2	선택	
	20		재질			문자	-	선택	
	21		온수 온도	입구		숫자(0)	° C	선택	
	22			출구		숫자(0)	° C	선택	
	23	손실수두				숫자(1)	mAq	선택	
	24	도장	내부			문자	-	선택	
	25		외부			문자	-	선택	
	26	단열 및 마감				문자	-	선택	
	27	설계기준 제품모델				문자	-	선택	
	28	비고				문자	-	선택	

기준형상


재열코일 일람표
장비 번호
수량
용도
형식
설치위치
규격
원형
직경
길이
각형
가로
세로
높이
중량
중온수 온도
유량
입구
출구
사용압
온수온도
입구
출구
사용압
Lpm
℃
Kg/cm²g
m
Kg
가열코일
전열 면적
m²
재질
온수온도
입구
출구
℃
℃
손실 수두
mAq
도장
내부
외부
단열 및 마감
중량
Kg
설계기준 제품모델
비고

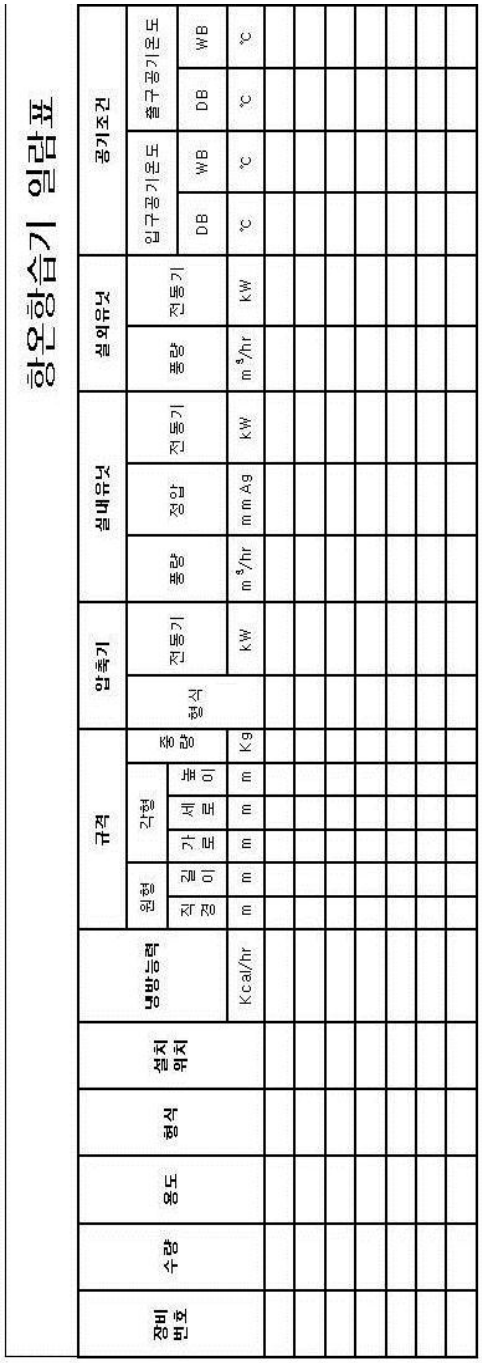
비고	

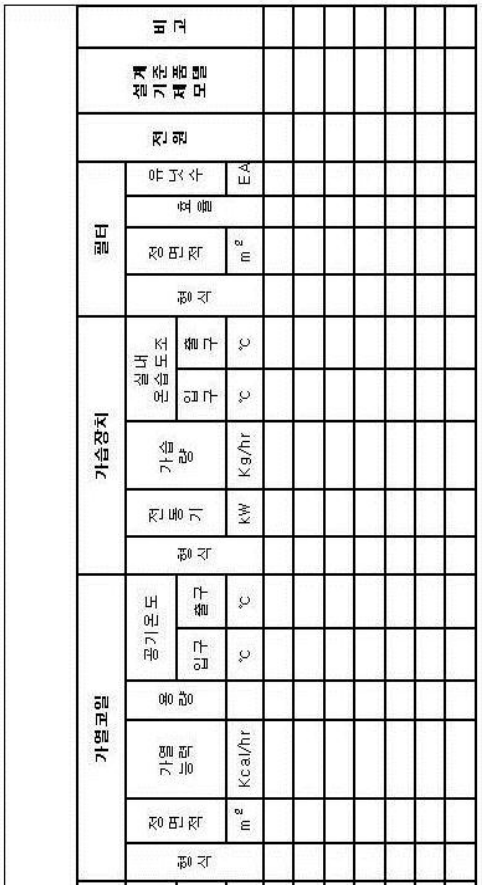
4.14 항온 항습기 일람표

테이블 명칭	항온 항습기 일람표	분류코드	M014

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			(정밀도)		여부	
구성기준	1	장비번호			문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	냉방능력			숫자(0)	Kcal/hr	선택	
	7	규격	원형	직경	숫자(0)	m	선택	
	8			길이	숫자(0)	m	선택	
	9		각형	가로	숫자(0)	m	선택	
	10			세로	숫자(0)	m	선택	
	11			높이	숫자(0)	m	선택	
	12		중량		숫자(1)	Kg	선택	
	13	압축기	형식		문자	-	선택	
	14		전동기		숫자(0)	kW	선택	
	15	실내유닛	풍량		숫자(0)	m3/hr	선택	
	16		정압		숫자(1)	mmAq	선택	
	17		전동기		숫자(1)	kW	선택	
	18	실외유닛	풍량		숫자(0)	m3/hr	선택	
	19		전동기		숫자(1)	kW	선택	
	20	공기조건	입구공기온도	DB	숫자(1)	° C	선택	
	21			WB	숫자(1)	° C	선택	
	22		출구공기온도	DB	숫자(1)	° C	선택	
	23			WB	숫자(1)	° C	선택	
	24	가열코일	형식		문자	-	선택	
	25		정면적		숫자(0)	m2	선택	
	26		가열능력		숫자(0)	Kcal/hr	선택	
	27		용량		문자	kWx단	선택	
	28		공기온도	입구	숫자(1)	° C	선택	
	29			출구	숫자(1)	° C	선택	
	30	가습장치	형식		문자	-	선택	
	31		전동기		숫자(1)	kW	선택	
	32		가습량		숫자(0)	Kg/hr	선택	
	33		실내온습도조건	입구	숫자(1)	° C	선택	
	34			출구	숫자(1)	° C	선택	
	35	필터	형식		문자	-	선택	
	36		정면적		숫자(0)	m2	선택	
	37		효율		문자	-	선택	
	38		유닛수		숫자(0)	개	선택	
	39	전원			숫자(0)	Ph-V-Hz	선택	
	40	설계기준 제품모델			문자	-	선택	
	41	비고			문자	-	선택	

기준형상


항온항습기 일람표
장비 번호
수량
용도
형식
설치 위치
냉방능력
Kcal/hr
규격
원형
직경
m
길이
m
각형
가로
m
세로
m
높이
m
중량
Kg
압축기
형식
전동기
kW
실내유닛
풍량
m³/hr
정압
mmAq
전동기
kW
실외유닛
풍량
m³/hr
전동기
kW
공기조건
입구공기온도
DB
℃
WB
℃
DB
℃
출구공기온도
WB
℃


가열코일
형식
전면적
m²
가열능력
Kcal/hr
열량
공기온도
입구
℃
출구
℃
가습장치
형식
전열기
kW
가습량
Kg/hr
실내 온습도조
입구
℃
출구
℃
필터
형식
전면적
m²
효율
EA
전원
설계 기준 제품 모델
비고

비고	

4.15 항온 항습기(공랭식) 일람표

테이블 명칭	항온 항습기(공랭식) 일람표	분류코드	M015

	번호	속성정보			자료구조	형 식	단 위	필수	비 고
		항 목				(정밀도)		여부	
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	냉방능력				숫자(0)	Kcal/hr	선택	
	7	규격	원형	직경		숫자(0)	m	선택	
	8			길이		숫자(0)	m	선택	
	9		각형	가로		숫자(0)	m	선택	
	10			세로		숫자(0)	m	선택	
	11			높이		숫자(0)	m	선택	
	12		중량			숫자(1)	Kg	선택	
	13	압축기	형식			문자	-	선택	
	14		전동기			숫자(0)	kW	선택	
	15	실내유닛	풍량			숫자(0)	m3/hr	선택	
	16		정압			숫자(1)	mmAq	선택	
	17		전동기			숫자(1)	kW	선택	
	18	실외유닛	풍량			숫자(0)	m3/hr	선택	
	19		전동기			숫자(1)	kW	선택	
	20	공기조건	입구공기온도	DB		숫자(1)	° C	선택	
	21			WB		숫자(1)	° C	선택	
	22		출구공기온도	DB		숫자(1)	° C	선택	
	23			WB		숫자(1)	° C	선택	
	24	가습장치	형식			문자	-	선택	
	25		전동기			숫자(1)	kW	선택	
	26		가습량			숫자(0)	Kg/hr	선택	
	27	필터	형식			문자	-	선택	
	28		정면적			숫자(0)	m2	선택	
	29		효율			문자	-	선택	
	30		유닛수			숫자(0)	개	선택	
	31	전원				숫자(0)	Ph-V-Hz	선택	
	32	운전중량				숫자(1)	Kg	선택	
	33	비상전원				문자	-	선택	
	34	설계기준 제품모델				문자	-	선택	
	35	비고				문자	-	선택	

기준형상

항온항습기(공랭식) 일람표

장비 번호	수량	용도	형식	설치 위치	냉방 능력	규격					압축기		실내유닛			실외유닛		공기조건					
						원형		각형			중량	형식	전동기	풍량	정압	전동기	풍량	전동기	입구공기온도			출구공기온도	
						직경	길이	가로	세로	높이									DB	WB	DB	WB
						m	m	m	m	m	Kg		kW	m^3/hr	mmAg	kW	m^3/hr	kW	℃	℃	℃	℃

가열코일 가습장치				필터				전원	운전중량	비상전원	설계기준제품모델	비고
형식	전동기	가습량		형식	정면적	효율	유닛수					
	kW	Kg/hr			m^2		EA	Ph-V-Hz	Kg			

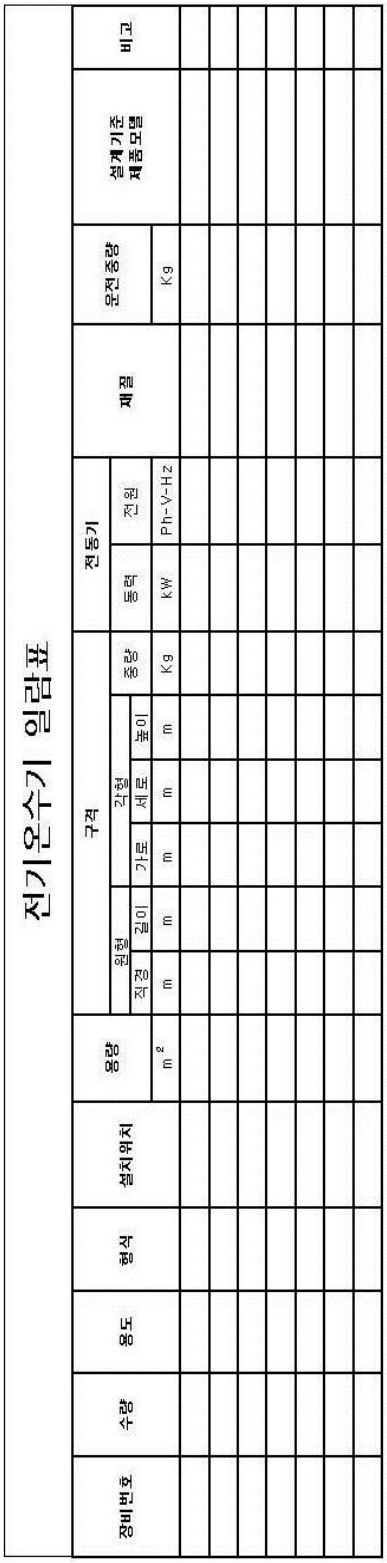
비고	

4.16 전기온수기 일람표

테이블 명칭	전기온수기 일람표	분류코드	M016

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			자료구조	(정밀도)		여부	
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	용량				숫자(0)	m2	선택	
	7	규격	원형	직경		숫자(0)	m	선택	
	8			길이		숫자(0)	m	선택	
	9		각형	가로		숫자(0)	m	선택	
	10			세로		숫자(0)	m	선택	
	11			높이		숫자(0)	m	선택	
	12	전동기	동력			숫자(1)	kW	선택	
	13		전원			숫자(0)	Ph-V-Hz	선택	
	14	재질				문자	-	선택	
	15	운전중량				숫자(1)	Kg	선택	
	16	설계기준 제품모델				문자	-	선택	
	17	비고				문자	-	선택	

기준형상


전기온수기 일람표
장비번호
수량
용도
형식
설치위치
용량
구격
원형
직경
길이
각형
가로
세로
높이
중량
전동기
동력
전원
제품
운전중량
설계기준 제품모델
비고
m²
m
m
m
m
m
Kg
kW
Ph-V-Hz
Kg

비고	

4.17 유닛히터 일람표

테이블 명칭	유닛히터 일람표	분류코드	M017

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	팬	형식		문자	-	선택	
	7		풍량		숫자(0)	m3/hr	선택	
	8		전동기		숫자(1)	kW	선택	
	9		전원		숫자(0)	Ph-V-Hz	선택	
	10	가열코일	정면적		숫자(0)	m2	선택	
	11		가열량		숫자(1)	Kcal/hr	선택	
	12		증기압		숫자(1)	Kg/cm2g	선택	
	13		온수온도	입구	숫자(0)	° C	선택	
	14			출구	숫자(0)	° C	선택	
	15	핀	재질		문자	-	선택	
	16		규격		숫자(1)	mm	선택	
	17		갯수		숫자(0~1)	EA/m	선택	
	18	규격	크기		숫자(0)	mm	선택	
	19		길이		숫자(0)	mm	선택	
	20	운전중량			숫자(1)	Kg	선택	
	21	설계기준 제품모델			문자	-	선택	
	22	비고			문자	-	선택	

유닛히터 일람표

장비 번호	수량	용도	형식	설치 위치	팬				가열코일				
					형식	풍량	전동기	전원	정면적	가열량	증기압	온수온도	
												입구	출구
						m^3/hr	kW	Ph-V-Hz	m^2	Kcal/hr	Kg/cm^2g	℃	℃

핀			규격		운전 중량	설계 기준 제품 모델	비 고
재질	규격	갯수	크기	길이			
	mm	EA/m	mm	Kg	Kg		

비고

4.18 콘덴싱 유닛 일람표

테이블 명칭	콘덴싱 유닛 일람표	분류코드	M018

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			자료구조	(정밀도)		여부	
구성기준	1	장비번호			리스트	문자/기호	-	필수	
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	형식				문자	-	필수	
	5	설치위치				문자	-	선택	
	6	냉동용량				숫자(0)	USRT	선택	
	7	증발온도				숫자(0)	° C	선택	
	8	응축온도				숫자(0)	° C	선택	
	9	규격	원형	직경		숫자(0)	mm	선택	
	10			길이		숫자(0)	mm	선택	
	11		각형	가로		숫자(0)	mm	선택	
	12			세로		숫자(0)	mm	선택	
	13			높이		숫자(0)	mm	선택	
	14		중량			숫자(1)	Kg	선택	
	15	압축기	형식			문자	-	선택	
	16		전동기			숫자(1)	kW	선택	
	17		원형	직경		숫자(0)	mm	선택	
	18			길이		숫자(0)	mm	선택	
	19		각형	가로		숫자(0)	mm	선택	
	20			세로		숫자(0)	mm	선택	
	21			높이		숫자(0)	mm	선택	
	22		중량			숫자(1)	Kg	선택	
	23	냉매				문자	-	선택	
	24	응축기	전동기			숫자(1)	kW	선택	
	25		수량			숫자(0)	개	선택	
	26		원형	직경		숫자(0)	mm	선택	
	27			길이		숫자(0)	mm	선택	
	28		각형	가로		숫자(0)	mm	선택	
	29			세로		숫자(0)	mm	선택	
	30			높이		숫자(0)	mm	선택	
	31		중량			숫자(1)	Kg	선택	
	32	전원				숫자(0)	Ph-V-Hz	선택	
	33	비상전원				문자	-	선택	
	34	설계기준 제품모델				문자	-	선택	
	35	비고				문자	-	선택	

기준형상

콘덴싱 유닛 일람표

장비 번호	수량	용도	형식	설치 위치	냉동용량		증발 온도		응축 온도		규격										압축기									
											원형			각형							형식	전동기	원형			각형					
											직경		길이	가로		세로		높이		중량			직경		길이	가로		세로		높이	중량
						USRT		℃		℃	m		m	m		m		m		Kg		kW	m		m	m		m		m	Kg

냉매	응축기										전원		비상전원	설계기준 제품모델	비고
	전동기		수량		원형			각형			중량				
					직경	길이	가로	세로	높이						
	kW	EA	m	m	m	m	m	m	m	Kg	Ph-V-Hz				

비고	

4.19 송·배풍기 일람표

테이블 명칭	송·배풍기 일람표	분류코드	M019

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	장비번호	리스트	문자/기호	-	필수	
	2	수량		숫자(0)	대	필수	
	3	용도		문자	-	필수	
	4	형식		문자	-	필수	
	5	설치위치		문자	-	선택	
	6	규격 가로		숫자(0)	mm	선택	
	7	규격 세로		숫자(0)	mm	선택	
	8	규격 높이		숫자(0)	mm	선택	
	9	풍량		숫자(0)	m3/hr	선택	
	10	정압		숫자(1)	mmAq	선택	
	11	전동기 동력		숫자(1)	kW	선택	
	12	전동기 전원		숫자(0)	Ph-V-Hz	선택	
	13	방진장치		문자	-	선택	
	14	운전중량		숫자(1)	Kg	선택	
	15	비상전원		문자	-	선택	
	16	설계기준 제품모델		문자	-	선택	
	17	비고		문자	-	선택	

기준형상

송.배풍기 일람표

장비번호	수량	용도	형식	설치 위치	규격							풍량	정압	전동기		방진장치	운전중량	비상전원	설계기준 제품모델	비고
					원형		각형				중량			동력	전원					
					직경	길이	가로	세로	높이											
					m	m	m	m	m		Kg	m^3/hr	mmAg	kW	Ph-V-Hz		Kg			

비고	

4.20 라디에터 일람표

테이블 명칭	라디에터 일람표	분류코드	M020

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	장비번호	리스트	문자/기호	-	필수	
	2	수량		숫자(0)	대	필수	
	3	용도		문자	-	필수	
	4	형식		문자	-	필수	
	5	설치위치		문자	-	선택	
	6	난방능력		숫자(0)	Kcal/hr	선택	
	7	증기압		숫자(1)	Kg/cm2g	선택	
	8	온수 온도 입구		숫자(0)	° C	선택	
	9	온수 온도 출구		숫자(0)	° C	선택	
	10	방열면적		숫자(0)	m2	선택	
	11	규격 폭		숫자(0)	mm	선택	
	12	규격 길이		숫자(0)	mm	선택	
	13	규격 높이		숫자(0)	mm	선택	
	14	규격 중량		숫자(0)	mm	선택	
	15	쪽수		숫자(0)	개소	선택	
	16	재질		문자	-	선택	
	17	접속관경		숫자(0)	mm	선택	
	18	사용압력		숫자(1)	Kg/cm2g	선택	
	19	설계기준 제품모델		문자	-	선택	
	20	비고		문자	-	선택	

기준형상

라디에터 일람표

장비번호	수량	용도	형식	설치위치	난방능력	증기압	온수온도		방열면적	규격			
							입구	출구		폭	길이	높이	중량
					Kcal/hr	Kg/cm²g	℃	℃		mm	mm	mm	Kg

족수	제품	접속관경	사용압력	설계기준 제품모델	비고
EA		mm	Kg/cm²g		

비고	

4.21 팬코일 유닛 일람표

테이블 명칭	팬코일 유닛 일람표	분류코드	M021

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			자료구조 (정밀도)		여부	
구성기준	1	장비번호			리스트 문자/기호	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	설치위치			문자	-	선택	
	6	규격	원형	직경	숫자(0)	m	선택	
	7			길이	숫자(0)	m	선택	
	8		각형	가로	숫자(0)	m	선택	
	9			세로	숫자(0)	m	선택	
	10			높이	숫자(0)	m	선택	
	11	중량			숫자(1)	Kg	선택	
	12	냉방 능력	능력		숫자(0)	Kcal/hr	선택	
	13		순환수량		숫자(0)	Lpm	선택	
	14		냉수 온도	입구	숫자(0)	° C	선택	
	15			출구	숫자(0)	° C	선택	
	16	난방 능력	능력		숫자(0)	Kcal/hr	선택	
	17		순환수량		숫자(0)	Lpm	선택	
	18		온수 온도	입구	숫자(0)	° C	선택	
	19			출구	숫자(0)	° C	선택	
	20	송풍기	풍량		숫자(0)	m3/hr	선택	
	21		전동기	동력	숫자(1)	W	선택	
	22			전원	숫자(0)	Ph-V-Hz	선택	
	23		규격	가로	숫자(0)	mm	선택	
	24			세로	숫자(0)	mm	선택	
	25			높이	숫자(0)	mm	선택	
	26			중량	숫자(1)	Kg	선택	
	27	실내 온도	냉방	DB	숫자(0)	° C	선택	
	28			WB	숫자(0)	° C	선택	
	29		난방	DB	숫자(0)	° C	선택	
	30	배관방향			문자	-	선택	
	31	토출방향			문자	-	선택	
	32	제동제어			문자	-	선택	
	33	설계기준 제품모델			문자	-	선택	
	34	비고			문자	-	선택	

기준형상

팬코일 유닛 일람표

장비 번호	수량	용도	형식	설치 위치	규격						냉방능력						난방능력					
					원형		각형			중량	능력	순환 수량	냉수온도		능력	순환 수량	온수온도					
					직경	길이	가로	세로	높이				입구	출구			입구	출구				
					m	m	m	m	m	Kg	Kcal/hr	Lpm	℃	℃	Kcal/hr	Lpm	℃	℃				

송풍기				실내온도							배관 방향	토출 방향	제동 제어	설계 기준 제품 모델	비고
풍량	전동기			냉방			난방								
	동력	전원		DB		WB	DB								
m^3/hr	W	Ph-V-Hz		℃		℃	℃								

비고	

4.22 흄후드 일람표

테이블 명칭	흄후드 일람표	분류코드	M022

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	장비번호	리스트	문자/기호	-	필수	
	2	수량		숫자(0)	대	필수	
	3	용도		문자	-	필수	
	4	형식		문자	-	필수	
	5	설치위치		문자	-	선택	
	6	규격 가로		숫자(0)	mm	선택	
	7	규격 세로		숫자(0)	mm	선택	
	8	규격 높이		숫자(0)	mm	선택	
	9	규격 중량		숫자(1)	Kg	선택	
	10	냉방능력 형식		문자	-	선택	
	11	냉방능력 용량		숫자(0)	RT	선택	
	12	냉방능력 풍량		숫자(0)	m3/hr	선택	
	13	냉방능력 정압		숫자(1)	mmAq	선택	
	14	냉방능력 전동기		숫자(1)	kW	선택	
	15	펌프 형식		문자	-	선택	
	16	펌프 전동기		숫자(1)	kW	선택	
	17	펌프 전원		숫자(0)	Ph-V-Hz	선택	
	18	재질		문자	-	선택	
	19	운전중량		숫자(1)	Kg	선택	
	20	비상전원		문자	-	선택	
	21	설계기준 제품모델		문자	-	선택	
	22	비고		문자	-	선택	

기준형상

흡 후 드

장비번호	수량	용도	설치위치	규격				냉방능력				펌프			
				가로	세로	높이	중량	형식	규격	풍량	정압	전등기	형식	전동기	전원
				mm	mm	mm	Kg		mm	m^3/hr	mmAq	kW		kW	Ph-V-Hz

제품	운전중량 kg	비상전원	설계기준 제품모델	비고

비고	

4.23 기수 분리기

테이블 명칭	기수 분리기	분류코드	M023

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	타이틀	리스트	문자	-	선택	
	2	번호		문자/숫자	-	필수	
	3	수량		숫자(0)	-	필수	
	4	유량		숫자(0)	LPM	필수	
	5	규격 가로		숫자(0)	mm	선택	
	6	규격 세로		숫자(0)	mm	선택	
	7	규격 높이		숫자(0)	mm	선택	
	8	규격 중량		숫자(0)	Kg	선택	
	9	설치위치		문자/숫자	-	필수	
	10	비고		문자	-	선택	

기준형상

기 수 분 리 기

번호	수량	유량(Lit)	규격				설치위치	비고
			가로 mm	세로 mm	높이 mm	중량 Kg		

비고	

4.24 케미컬 피더

테이블 명칭	케미컬 피더	분류코드	M024

	번호	속성정보			형 식	단 위	필수	비 고
		항 목			자료구조	(정밀도)		여부	
구성기준	1	타이틀			리스트	문자	-	선택	
	2	번호				문자/숫자	-	필수	
	3	수량				숫자(0)	-	필수	
	4	탱크용량				숫자(0)	Lit	필수	
	5	규격	원형	직경		숫자(0)	mm	선택	
	6			길이		숫자(0)	mm	선택	
	7		각형	가로		숫자(0)	mm	선택	
	8			세로		숫자(0)	mm	선택	
	9			높이		숫자(0)	mm	선택	
	10	토출량				숫자(0)	cc/min	필수	
	11	사용압력				숫자(0)	Kg/cm3	필수	
	12	펌프	동력			숫자(0)	W	필수	
	13		전원			숫자(0)	-	필수	
	14	설치위치				문자/숫자	-	필수	
	15	청관제				숫자(0)	Lit	필수	
	16	비고				숫자(0)	-	선택	

기준형상

케 미 컬 피 더

번호	수량	탱크용량 (Lit)	규격					토출량 (CC/min)	사용압력 (kg/cm²)	펌프		설치위치	청관제 (Lit)	비고
			원형		각형					동력(W)	전원			
			직경	길이	가로	세로	높이							
			mm	mm	mm	mm	mm							

비고	

4.25 증기 보일러

테이블 명칭	증기 보일러	분류코드	M025

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자	-	필수	
	2	수량			숫자(0)	-	필수	
	3	용도			문자	Ton/h	필수	
	4	설치위치			문자	Lit	선택	
	5	형식			문자/숫자	-	선택	
	6	용량			숫자(0)	Ton/h	선택	
	7	상용압력			숫자(0)	kg/cm2	선택	
	8	규격	가로		숫자(0)	mm	선택	
	9		세로		숫자(0)	mm	선택	
	10		높이		숫자(0)	mm	선택	
	11		중량		숫자(1)	Kg	선택	
	12	버너	형식		숫자(0)	-	선택	
	13		가스소비량		숫자(0)	N.m3/H	선택	
	14		가스공급관		숫자(0)	mmAq	선택	
	15		규격	가로	숫자(0)	mm	선택	
	16			세로	숫자(0)	mm	선택	
	17			높이	숫자(0)	mm	선택	
	18	팬	풍량		숫자(0)	m3/min	선택	
	19		정압		숫자(0)	mmAq	선택	
	20		동력	KW	숫자(0)	KW	선택	
	21			Ph/v/Hz	숫자(0)	Ph/v/Hz	선택	
	22		규격	가로	숫자(0)	mm	선택	
	23			세로	숫자(0)	mm	선택	
	24			높이	숫자(0)	mm	선택	

기준형상

증기보일러

장비번호	수량	용도	설치위치	형식	용량	사용압력	규격				버너				규격		
							가로	세로	높이	중량	형식	가스소비량	가스공급관	가로	세로	높이	
							mm	mm	mm	Kg				mm	mm	mm	

펌

풍량	정압	동력			규격			비고						
		KW	Ph/V/Hz		가로	세로	높이							
					mm	mm	mm							

비고	

4.26 진공 온수 보일러

테이블 명칭	진공 온수 보일러	분류코드	M026

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/숫자	-	필수	B - 2
	2	수량			숫자(0)	대	필수	
	3	용도			문자/숫자	-	필수	
	4	설치위치			문자/숫자	-	필수	
	5	형식			문자/숫자	-	선택	
	6	총용량			숫자(0)	-	선택	
	7	난방전용	최대출력		숫자(0)	kcal/h	선택	
	8		난방온도	입구	숫자(0)	℃	선택	
	9			출구	숫자(0)	℃	선택	
	10		규격	가로	숫자(0)	mm	선택	
	11			세로	숫자(0)	mm	선택	
	12			높이	숫자(0)	mm	선택	
	13	급탕전용(저층부)	최대출력		숫자(0)	kcal/h	선택	
	14		급탕온도	입구	숫자(0)	℃	선택	
	15			출구	숫자(0)	℃	선택	
	16		규격	가로	숫자(0)	mm	선택	
	17			세로	숫자(0)	mm	선택	
	18			높이	숫자(0)	mm	선택	
	19	급탕전용(고층부)	최대출력		숫자(0)	kcal/h	선택	
	20		급탕온도	입구	숫자(0)	℃	선택	
	21			출구	숫자(0)	℃	선택	
	22		규격	가로	숫자(0)	mm	선택	
	23			세로	숫자(0)	mm	선택	
	24			높이	숫자(0)	mm	선택	
	25	연료소비량			숫자(0)	N . ㎥ / H	선택	
	26	총소비동력			숫자(0)	kW	선택	
	27	최고사용압력			숫자(0)	kg/㎠	선택	
	28	비고			문자/숫자	-	선택	

기준형상

진 공 온 수 보 일 러

장비번호	수량	용도	설치위치	형식	총용량	난방전용							급탕전용(겨울부)								
						최대출력	난방온도		규격				최대출력	급탕온도		규격					
							입구	출구	가로 mm	세로 mm	높이 mm			입구	출구	가로 mm	세로 mm	높이 mm	최대출력		

급탕전용(고층부)						연료소비량	총소비동력	최고사용압력	비고
급탕온도		규격							
입구	출구	가로 mm	세로 mm	높이 mm					

비고	

4.27 흡수식 냉온수기

테이블 명칭	흡수식 냉온수기	분류코드	M027

	번호	속성정보			자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
		항 목							
구성기준	1	장비번호			리스트	문자/숫자	-	필수	CH - 1
	2	수량				숫자(0)	대	필수	
	3	용도				문자/숫자	-	필수	
	4	설치위치				문자/숫자	-	선택	
	5	용량				숫자(0)	USRT	선택	
	6	규격	가로			숫자(0)	mm	선택	
	7		세로			숫자(0)	mm	선택	
	8		높이			숫자(0)	mm	선택	
	9	증발기	유량			숫자(0)	LPM	선택	
	10		입구수온			숫자(0)	℃	선택	
	11		출구수온			숫자(0)	℃	선택	
	12		손실수두			숫자(0)	MAQ	선택	
	13		장치수두			숫자(0)	MAQ	선택	
	14		규격	가로		숫자(0)	mm	선택	
	15			세로		숫자(0)	mm	선택	
	16			높이		숫자(0)	mm	선택	
	17	응축기	유량			숫자(0)	LPM	선택	
	18		입구수온			숫자(0)	℃	선택	
	19		출구수온			숫자(0)	℃	선택	
	20		손실수두			숫자(0)	MAQ	선택	
	21		장치수두			숫자(0)	MAQ	선택	
	22		규격	가로		숫자(0)	mm	선택	
	23			세로		숫자(0)	mm	선택	
	24			높이		숫자(0)	mm	선택	
	25	온수	유량			숫자(0)	LPM	선택	
	26		입구수온			숫자(0)	℃	선택	
	27		출구수온			숫자(0)	℃	선택	
	28		손실수두			숫자(0)	MAQ	선택	
	29		장치수두			숫자(0)	MAQ	선택	
	30	가스	냉방			숫자(0)	N . ㎥ / H	선택	
	31		난방			숫자(0)	N . ㎥ / H	선택	
	32		공급압력			숫자(0)	MMAQ	선택	
	33	동력	용액펌프			숫자(0)	KW	선택	
	34		냉매펌프			숫자(0)	KW	선택	
	35		버너송풍기			숫자(0)	KW	선택	
	36		진공펌프			숫자(0)	KW	선택	
	37	비고				문자	-	선택	

기준형상

흡수식 냉온수기

정격년도	유형	모델	보정제어	용량	귀적			유형	입구온도	출구온도	손실유무	정격유무	귀적			유형	입구온도	출구온도	손실유무	정격유무	귀적		
					귀도	세도	높에						귀도	세도	높에						귀도	세도	높에
					■■	■■	■■						■■	■■	■■						■■	■■	■■

종수					가스				기타				비고
유형	입구온도	출구온도	손실유무	정격유무	냉방	난방	크로엔덕	로케밴드	냉케밴드	특나슬기	경크밴드		

비고	

4.28 스크류 냉동기

테이블 명칭	스크류 냉동기	분류코드	M028

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/기호	-	필수	SW - 01
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	설치위치			문자	-	필수	
	5	용량			문자	-	선택	
	6	규격	가로		숫자(0)	mm	선택	
	7		세로		숫자(0)	mm	선택	
	8		높이		숫자(0)	mm	선택	
	9	증발기	형식		숫자(0)	-	선택	
	10		유량		숫자(0)	Lpm	선택	
	11		입구온도		숫자(0)	℃	선택	
	12		출구온도		숫자(0)	℃	선택	
	13		손실수두		숫자(0)	MAQ	선택	
	14		장치수두		숫자(0)	MAQ	선택	
	15		규격	가로	숫자(0)	mm	선택	
	16			세로	숫자(0)	mm	선택	
	17			높이	숫자(0)	mm	선택	
	18	응축기	형식		숫자(0)	-	선택	
	19		유량		숫자(0)	Lpm	선택	
	20		입구온도		숫자(0)	℃	선택	
	21		출구온도		숫자(0)	℃	선택	
	22		손실수두		숫자(0)	MAQ	선택	
	23		장치수두		숫자(0)	MAQ	선택	
	24		규격	가로	숫자(0)	mm	선택	
	25			세로	숫자(0)	mm	선택	
	26			높이	숫자(0)	mm	선택	
	27	압축기	형식		숫자(0)	-	선택	
	28		기동방식		숫자(0)	-	선택	
	29		동력	KW	숫자(0)	KW	선택	
	30			Ph/V/Hz	숫자(0)	Ph-V-Hz	선택	
	31		규격	가로	숫자(0)	mm	선택	
	32			세로	숫자(0)	mm	선택	
	33			높이	숫자(0)	mm	선택	
	34	비고			문자	-	선택	

기준형상

스 크 류 냉 동 기

장비번호	수량	용도	설치위치	용량	증발기																응축기					압축기								비고
					규격			형식	유량	입구온도	출구온도	손실수두	장치수두	규격			형식	유량	입구온도		출구온도	손실수두	장치수두	규격			기동방식	동력		규격				
					가로	세로	높이							가로	세로	높이								가로	세로	높이		kW	Ph/V/Hz	가로	세로	높이		
					mm	mm	mm							mm	mm	mm								mm	mm	mm				mm	mm	mm		

4.29 터보냉동기

테이블 명칭	터보냉동기	분류코드	M029

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/숫자	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	설치위치			문자/숫자	-	필수	
	5	용량	주간		숫자(0)	SURT	선택	
	6		야간		숫자(0)	SURT	선택	
	7	규격	가로		숫자(0)	mm	선택	
	8		세로		숫자(0)	mm	선택	
	9		높이		숫자(0)	mm	선택	
	10	증발기	유량	물	숫자(0)	LPM	선택	
	11		입구수온	주간	숫자(0)	° C	선택	
	12			야간	숫자(0)	° C	선택	
	13		출구수온	주간	숫자(0)	° C	선택	
	14			야간	숫자(0)	° C	선택	
	15		손실수두	주간	숫자(0)	maq	선택	
	16			야간	숫자(0)	maq	선택	
	17		최고사용압력		숫자(0)	kg/㎠	선택	
	18		규격	가로	숫자(0)	mm	선택	
	19			세로	숫자(0)	mm	선택	
	20			높이	숫자(0)	mm	선택	
	21	응축기	유량	물	숫자(0)	LPM	선택	
	22		입구수온	주간	숫자(0)	° C	선택	
	23			야간	숫자(0)	° C	선택	
	24		출구수온	주간	숫자(0)	° C	선택	
	25			야간	숫자(0)	° C	선택	
	26		손실수두	주간	숫자(0)	maq	선택	
	27			야간	숫자(0)	maq	선택	
	28		최고사용압력		숫자(0)	kg/㎠	선택	
	29		규격	가로	숫자(0)	mm	선택	
	30			세로	숫자(0)	mm	선택	
	31			높이	숫자(0)	mm	선택	
	32	압축기	INPUT POWER	DB	숫자(0)	KW	선택	
	33			WB	숫자(0)	KW	선택	
	34		MAX. POWER	DB	숫자(0)	KW	선택	
	35			WB	숫자(0)	KW	선택	
	36		Ph / V / Hz		숫자(0)	Ph / V / Hz	선택	
	37		규격	가로	숫자(0)	mm	선택	
	38			세로	숫자(0)	mm	선택	
	39			높이	숫자(0)	mm	선택	
	40	냉매			문자	-	선택	
	41	비고			문자	-	선택	

기준형상

터보냉동기
증발기
응축기
압축기
정격냉동능력
유량
오염여유
규격
용량
브라인
입구수온
출구수온
손실수두
재료
비고
INPUT POWER(kW)
MAX. POWER(kW)
전압/주파수
주파수
상수
가로
세로
높이

비고	

4.30 수처리장치

테이블 명칭	수처리장치	분류코드	M030

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/숫자	-	필수	WT - 01
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	설치위치			문자/숫자	-	필수	
	5	장비명			문자	-	필수	
	6	형식			문자/숫자	-	선택	
	7	처리유량			숫자(0)	LPM	필수	
	8	관경			숫자(0)	-	필수	
	9	규격	직경		숫자(0)	mm	선택	
	10		길이		숫자(0)	mm	선택	
	11		POWER SUPPLY UNIT		문자/숫자	HP	선택	
	12	MAGNETIC CAPACITY	잔류자석밀도		숫자(0)	GAUSS	선택	
	13		보자력		숫자(0)	Oe	선택	
	14	동력	W		숫자(0)	-	선택	
	15		PH/V/HZ		숫자(0)	-	선택	
	16	비고			문자	-	선택	

기준형상

수 처 리 장 치

장비번호	수량	용도	설치위치	장비명	형식	처리유량	관경	규격			MAGNETIC CAPACITY		동력		비고
								직경	길이	POWER SUPPLY UNIT	잔류자석밀도	보자력	W	PH/V/HV	

비고	

4.31 냉각수 살균 장치

테이블 명칭	냉각수 살균 장치	분류코드	M031

구성기준	번호	속성정보		자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
		항 목						
	1	장비번호		리스트	문자/숫자	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	설치위치			문자/숫자	-	필수	
	5	규격	가로		숫자(0)	mm	선택	
	6		세로		숫자(0)	mm	선택	
	7		높이		숫자(0)	mm	선택	
	8	장비명			문자	-	선택	
	9	관경			숫자(0)	-	선택	
	10	형식	FLOW CELL		문자/숫자	-	선택	
	11		CONTROL UNIT		문자/숫자	-	선택	
	12	동력	W		숫자(0)	-	선택	
	13		PH/V/HZ		숫자(0)	-	선택	
	14	비고			문자	-	선택	

기준형상

냉각수 살균 장치

장비번호	수량	용도	설치위치	장비명	관경	규격					등력		비고
						가로 mm	세로 mm	높이 mm	FLOW CELL	CONTROL UNIT	W	PH/V/HV	

비고	

4.32 sand filter

테이블 명칭	sand filter	분류코드	M032

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	장비번호	리스트	문자/숫자	-	필수	SF - 01
	2	수량		숫자(0)	대	필수	
	3	용도		문자	-	필수	
	4	설치위치		문자/숫자	-	필수	
	5	규격 가로		숫자(0)	mm	선택	
	6	규격 세로		숫자(0)	mm	선택	
	7	규격 높이		숫자(0)	mm	선택	
	8	장비명		문자	-	선택	
	9	관경		숫자(0)	-	선택	
	10	유량		숫자(0)	l / hr	선택	
	11	역세유량		숫자(0)	l / hr	선택	
	12	탱크규격		문자/숫자	-	선택	
	13	장치크기		문자/숫자	-	선택	
	14	동력 KW		숫자(0)	-	선택	
	15	동력 PH/V/HZ		숫자(0)	-	선택	
	16	비고		문자	-	선택	

기준형상

Sand Filter

장비번호	수량	용도	설치위치	장비명	관경	규격			유량	역세유량	탱크규격	장치크기	동력		비고
						가로	세로	높이					kW	Ph-V-Hz	
						mm	mm	mm	l/hr	l/hr					

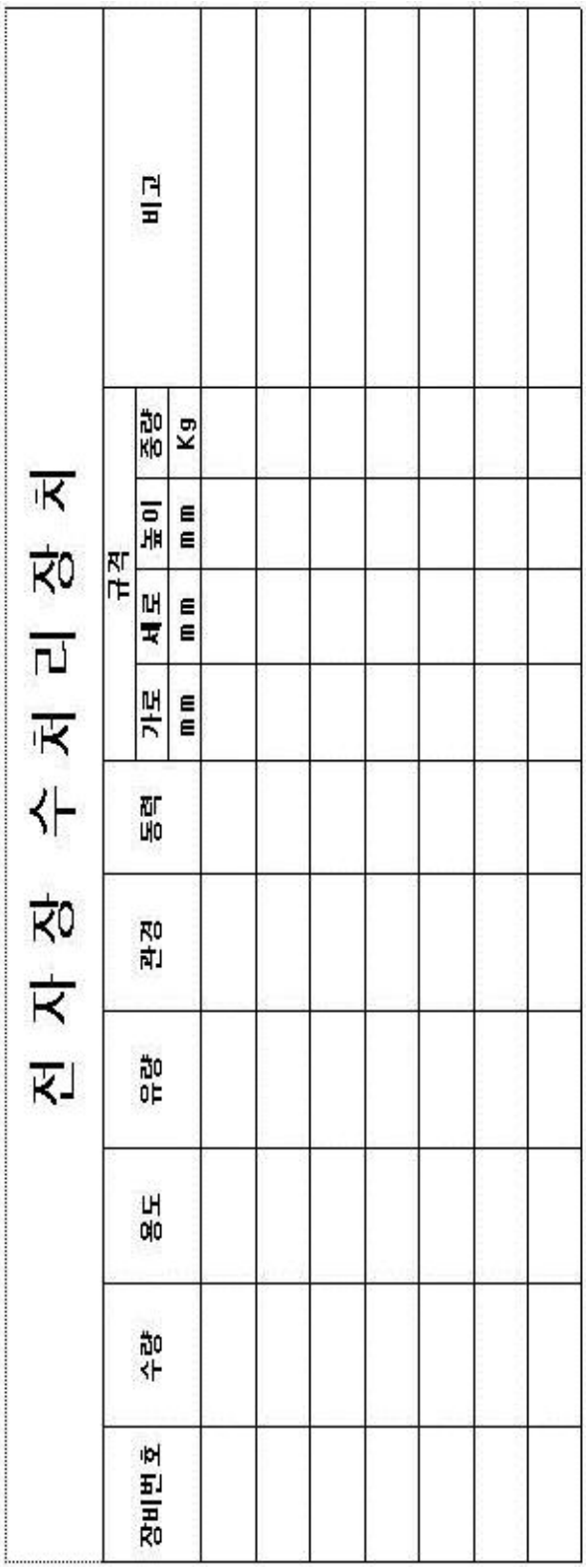
비고	

4.33 전자장 수처리 장치

테이블 명칭	전자장 수처리 장치	분류코드	M033

구성기준	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
	1	장비번호		리스트	문자/숫자	-	필수	EWT - 1
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	유량			문자	LPM	선택	
	5	관경			숫자(0)	-	선택	
	6	동력			숫자(0)	W	선택	
	7	규격	가로		숫자(0)	mm	선택	
	8		세로		숫자(0)	mm	선택	
	9		높이		숫자(0)	mm	선택	
	10		중량		숫자(1)	Kg	선택	
	11	비고			문자	-	선택	

기준형상



전 자 장 수 처 리 장 치

장비번호	수량	용도	유량	관경	동력	규격				비고
						가로	세로	높이	중량	
						mm	mm	mm	Kg	

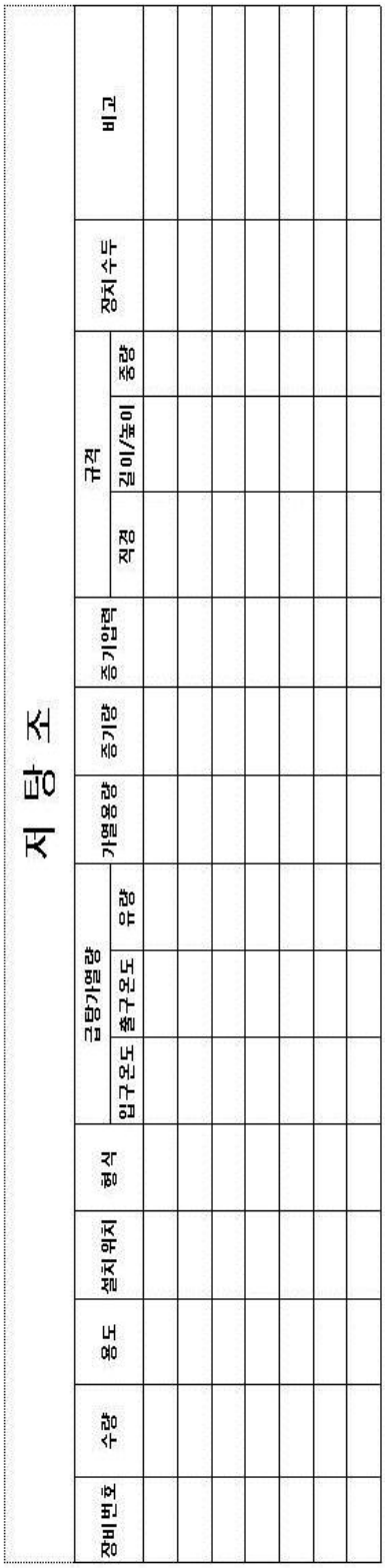
비고	

4.34 저탕조

테이블 명칭	저탕조	분류코드	M034

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	장비번호	리스트	문자/숫자	-	필수	HWG - 01
	2	수량		숫자(0)	대	필수	
	3	용도		문자	-	필수	
	4	설치위치		문자/숫자	-	필수	
	5	형식		문자	-	선택	
	6	급탕 가열량 - 입구온도		숫자(0)	℃	선택	
	7	급탕 가열량 - 출구온도		숫자(0)	℃	선택	
	8	급탕 가열량 - 유량		숫자(0)	LPM	선택	
	9	가열용량		숫자(0)	㎉/h	필수	
	10	증기량		숫자(0)	kg/h	필수	
	11	증기압력		숫자(0)	㎏/㎠	선택	
	12	규격 - 직경		숫자(0)	mm	선택	
	13	규격 - 길이/높이		숫자(0)	mm	선택	
	14	규격 - 중량		숫자(1)	Kg	선택	
	15	장치수두		숫자(0)	㎏/㎠	선택	
	16	비고		문자	-	선택	

기준형상


저 탕 조
장비번호
수량
용도
설치위치
형식
급탕가열량
입구온도
출구온도
유량
가열용량
증기량
증기압력
규격
직경
길이/높이
중량
장치수두
비고

비고	

4.35 빙축열조

테이블 명칭	빙축열조	분류코드	M035

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	장비번호	리스트	문자/숫자	-	필수	IST - 01
	2	수량		숫자(0)	대	필수	
	3	용도		문자	-	필수	
	4	설치위치		문자/숫자	-	필수	
	5	형식		문자	-	선택	
	6	축열량 - 잠열		숫자(0)	-	선택	
	7	축열량 - 현열		숫자(0)	-	선택	
	8	축열량 - 전열		숫자(0)	-	선택	
	9	규격 - 직경		숫자(0)	mm	선택	
	10	규격 - 길이/높이		숫자(0)	mm	선택	
	11	규격 - 중량		숫자(1)	Kg	선택	
	12	접속배관 - 입구		문자/숫자	A	선택	
	13	접속배관 - 출구		문자/숫자	A	선택	
	14	중량 - 제품중량		문자/숫자	ton	선택	
	15	중량 - 운전중량		문자/숫자	ton	선택	
	16	최고사용압력		숫자(0)	kg/㎠	선택	
	17	비고		문자	-	선택	

기준형상

빙축열조
장비번호
수량
용도
설치위치
형식
축열량(RT-hr)
잠열
현열
전열
규격
직경
mm
길이/높이
mm
중량
Kg
접속배관
입구
출구
중량
제품중량
운전중량
최고사용압력
비고

비고	

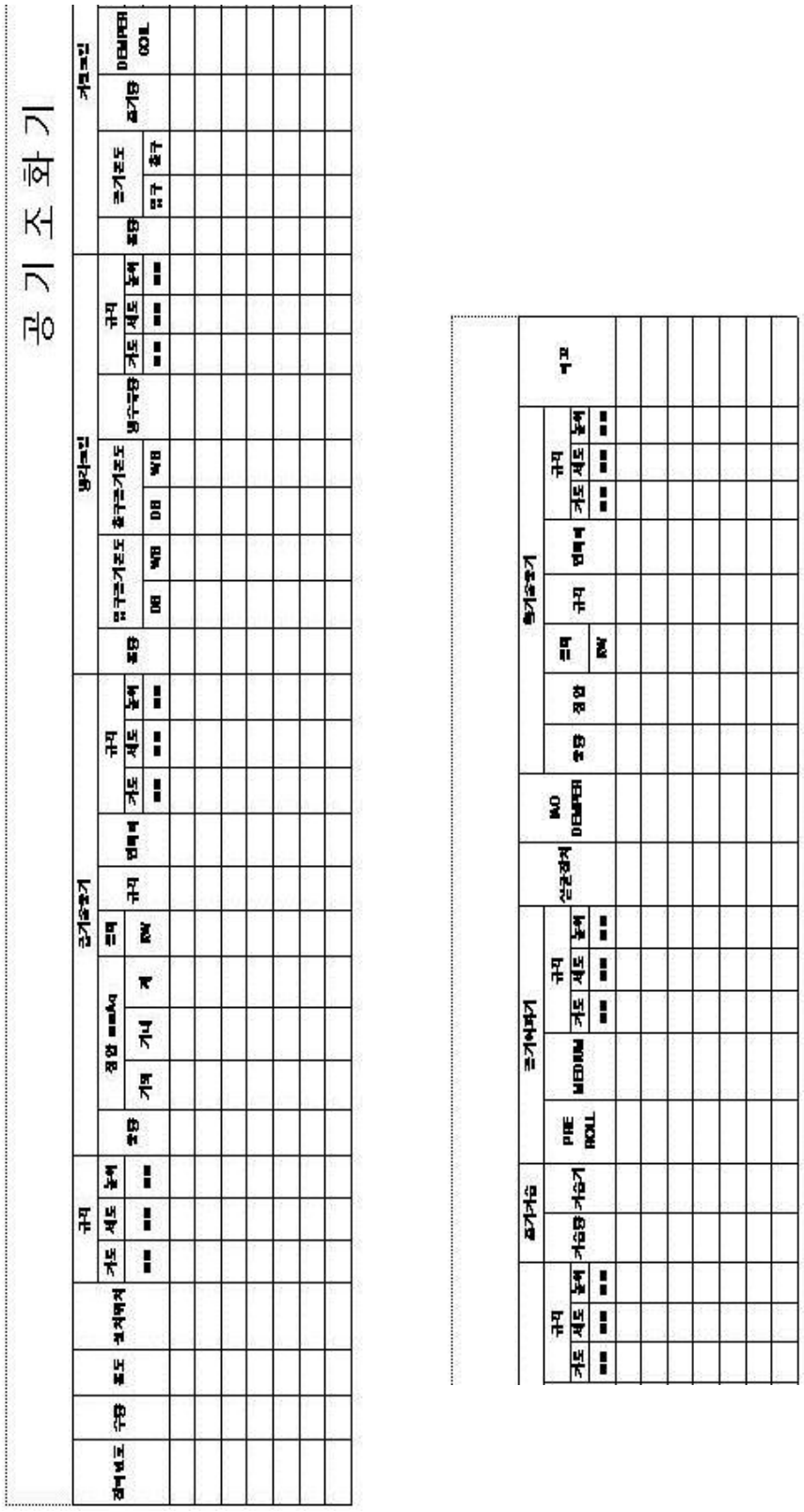
4.36 공기조화기

테이블 명칭	공기조화기	분류코드	M036

	번호	속성정보			자료구조	형 식 (정밀도)	단 위	필수 여부	비 고
		항 목							
구성기준	1	장비번호			리스트□	문자/기호	-	필수	AHU - 01
	2	수량				숫자(0)	대	필수	
	3	용도				문자	-	필수	
	4	설치위치				문자	-	선택	
	5	규격	가로			숫자(0)	mm	선택	
	6		세로			숫자(0)	mm	선택	
	7		높이			숫자(0)	mm	선택	
	8	급기 송풍기	풍량			숫자(0)	㎥/min	선택	
	9		정압	입구		숫자(0)	mmAq	선택	
	10			입구		숫자(0)	mmAq	선택	
	11			출구		숫자(0)	mmAq	선택	
	12		동력			숫자(0)	kw	선택	
	13		인버터			숫자(0)	-	선택	
	14		규격	가로		숫자(0)	mm	선택	
	15			세로		숫자(0)	mm	선택	
	16			높이		숫자(0)	mm	선택	
	17	냉각 코일	용량			숫자(0)	㎉/h	선택	
	18		입구 공기 온도	입구		숫자(0)	℃	선택	
	19			출구		숫자(0)	℃	선택	
	20		출구 공기 온도	입구		숫자(0)	℃	선택	
	21			출구		숫자(0)	℃	선택	
	22		냉수유량			숫자(0)	Lpm	선택	
	23		규격	가로		숫자(0)	mm	선택	
	24			세로		숫자(0)	mm	선택	
	25			높이		숫자(0)	mm	선택	
	26	가열 코일	용량			숫자(0)	㎉/h	선택	
	27		공기 온도	입구		숫자(1)	℃	선택	
	28			출구		숫자(0)	℃	선택	
	29		증기량			숫자(0)	kg/h	선택	
	30		DAMPERCOIL			숫자(0)	-	선택	
	31		규격	가로		숫자(0)	mm	선택	
	32			세로		숫자(0)	mm	선택	
	33			높이		숫자(0)	mm	선택	
	34	증기 가습	가습량			숫자(0)	kg/h	선택	
	35		가습기			숫자(0)	-	선택	

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	36	공기여과기	PRE ROLL	리스트	숫자(0)	-	선택	
	37		MEDIUM		숫자(0)	-	선택	
	38		규격 가로		숫자(0)	mm	선택	
	39		규격 세로		숫자(0)	mm	선택	
	40		규격 높이		숫자(0)	mm	선택	
	41	살균장치			문자	-	선택	
	42	IAQ DAMPER			문자	-	선택	
	43	환기송풍기	풍량		숫자(0)	㎥/min	선택	
	44		정압		숫자(0)	mmAq	선택	
	45		동력		숫자(1)	KW	선택	
	46		인버터		숫자(0)	-	선택	
	47		규격 가로		숫자(0)	mm	선택	
	48		규격 세로		숫자(0)	mm	선택	
	49		규격 높이		숫자(0)	mm	선택	
	50	비고			문자	-	선택	

기준형상



비고	

4.37 fan powered 변풍량 유니트

테이블 명칭	fan powered 변풍량 유니트	분류코드	M037

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/숫자	-	필수	FP - 01
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	선택	
	4	형식			문자	-	선택	
	5	규격	가로		숫자(0)	mm	선택	
	6		세로		숫자(0)	mm	선택	
	7		높이		숫자(0)	mm	선택	
	8	풍량	1차		숫자(0)	CMH	선택	
	9		FAN		숫자(0)	CMH	선택	
	10	동력			문자	KW	선택	
	11	코일열수			문자	ROW	선택	
	12	온수온도	입구		숫자(0)	℃	선택	
	13		출구		숫자(0)	℃	선택	
	14	소음기	NC		숫자(0)	-	선택	
	15		설치		숫자(0)	-	선택	
	16	공급전력			문자/숫자	-	선택	
	17	설치위치			숫자(0)	F	선택	
	18				숫자(0)	F	선택	
	19				숫자(0)	F	선택	
	20				숫자(0)	F	선택	
	21				숫자(0)	F	선택	
	22				숫자(0)	F	선택	
	23				숫자(0)	F	선택	
	24				숫자(0)	F	선택	
	25				숫자(0)	F	선택	
	26	비고			문자	-	선택	

기준형상

fan powered 변풍량 유니트

장비번호	수량	용도	형식	규격			풍량		동력	코일열수	온수온도		소음기		공급전력	설치위치							비고
				가로 mm	세로 mm	높이 mm	1차(CMH)	FAN(CMH)			입구	출구	NC	설치									

비고

4.38 변풍량 유니트

테이블 명칭	변풍량 유니트	분류코드	M038

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/숫자	-	필수	VAV - 01
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	필수	
	5	규격	가로		숫자(0)	mm	선택	
	6		세로		숫자(0)	mm	선택	
	7		높이		숫자(0)	mm	선택	
	8	풍량			숫자(0)	CMM	선택	
	9	입구규격			숫자(0)	-	선택	
	10	소음기	NC		숫자(0)	-	선택	
	11		설치		문자	-	선택	
	12	분배기			문자	-	선택	
	13	공급전력			문자/숫자	-	선택	
	14	설치위치			숫자(0)	-	선택	
	15				숫자(0)	-	선택	
	16				숫자(0)	-	선택	
	17				숫자(0)	-	선택	
	18				숫자(0)	-	선택	
	19				숫자(0)	-	선택	
	20				숫자(0)	-	선택	
	21				숫자(0)	-	선택	
	22				숫자(0)	-	선택	
	23	비고			문자	-	선택	

기준형상

번 풍 량 유 니 트

장비번호	수량	용도	형식	규격			풍량	입구규격	소음기		분배기	공급전력	설치위치							비고
				가로 mm	세로 mm	높이 mm			NC	설치										

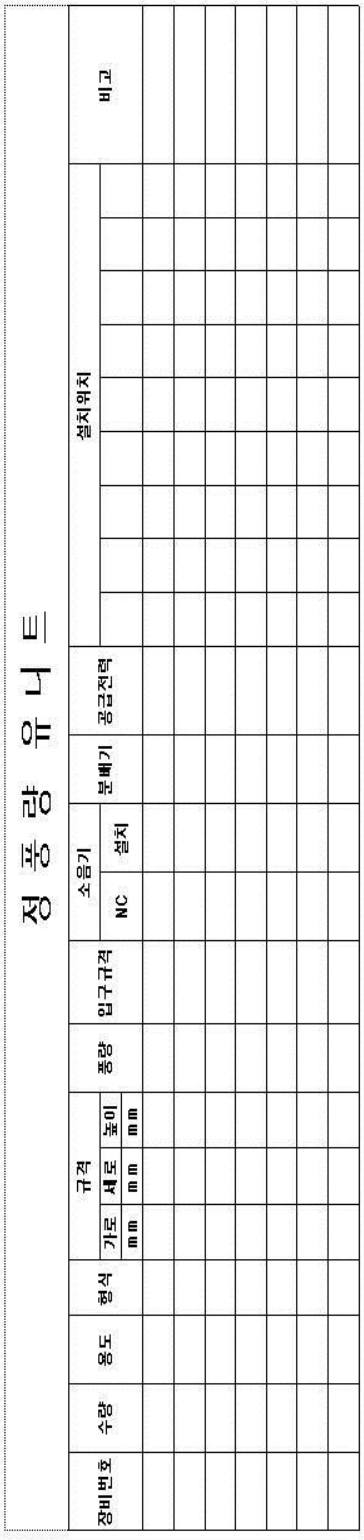
비고	

4.39 정풍량유니트

테이블 명칭	정풍량유니트	분류코드	M039

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	장비번호		리스트	문자/숫자	-	필수	
	2	수량			숫자(0)	대	필수	
	3	용도			문자	-	필수	
	4	형식			문자	-	선택	
	5	규격	가로		숫자(0)	mm	선택	
	6		세로		숫자(0)	mm	선택	
	7		높이		숫자(0)	mm	선택	
	8	풍량			숫자(0)	CMM	선택	
	9	입구규격			숫자(0)	-	선택	
	10	소음기	NC		숫자(0)	-	선택	
	11		설치		문자	-	선택	
	12	분배기			문자	-	선택	
	13	공급전력			문자/숫자	-	선택	
	14	설치위치			숫자(0)	-	선택	
	15				숫자(0)	-	선택	
	16				숫자(0)	-	선택	
	17				숫자(0)	-	선택	
	18				숫자(0)	-	선택	
	19				숫자(0)	-	선택	
	20				숫자(0)	-	선택	
	21				숫자(0)	-	선택	
	22				숫자(0)	-	선택	
	23	비고			문자	-	선택	

기준형상


정 풍 량 유 니 트
장비번호
수량
용도
형식
규격
가로 mm
세로 mm
높이 mm
풍량
입구규격
소음기
NC
설치
분배기
공급전력
설치위치
비고

비고	

5. 전기설비분야 도면 테이블 목록

5.1 전기설비일람표

테이블 명칭	전기설비일람표	분류코드	E001

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	기호	리스트	문자	-	필수	A
	2	내용		문자	-	필수	조리대용 콘센트
	3	설치높이		문자	-	필수	FFL + 1,100
	4	비고		문자	-	선택	-

기준형상

전 기 설 비 일 람 표

기호	내용	설치높이	비고

비고	

5.2 CABLE SCHEDULE

테이블 명칭	CABLE SCHEDULE	분류코드	E002

	번호	속성정보			형 식	단 위	필수	비 고
		항 목		자료구조	(정밀도)		여부	
구성기준	1	구분		리스트	문자	-	필수	MCC-FA
	2	CABLE NO.			문자	-	필수	#FP-1
	3	DESCRIPTION			문자	-	필수	스프링클러 주 펌프
	4	FROM			문자	-	필수	MCC-FA
	5	TO			문자	-	필수	FP-1
	6	MOTOR	PHASE		숫자(0)	PH	선택	3
	7		VOLT		숫자(0)	V	선택	380
	8		용량(HP)		숫자(0)	HP	선택	125
	9		수량		숫자(0)	개	선택	2
	10		규격	가로	숫자(0)	mm	선택	
	11			세로	숫자(0)	mm	선택	
	12			높이	숫자(0)	mm	선택	
	13			중량	숫자(1)	Kg	선택	
	14	CABLE	SPEC.		문자	-	선택	600V FR, 8
	15		SIZE & Q'TY		문자	-	선택	6-100sq 1/C,
	16							E-38sq
	17	CONDUIT	TYPE		문자	-	선택	ST
	18		SIZE		문자	-	선택	104C
	19	비고			문자	-	선택	1대 예비

기준형상

CABLE SCHEDULE

구분	CABLE NO.	DESCRIPTION	FROM	TO	MOTER								CABLE		CONDUIT		비고
					PHASE	VOLT	용량(HP)	수량	규격				SPEC.	SIZE&Q'TY	TYPE	SIZE	
									가로	세로	높이	중량					
									mm	mm	mm	Kg					

비고	

5.3 입상계통도

테이블 명칭	입상계통도	분류코드	E003

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	기호	리스트	문자	-	필수	A
2	규격		문자	-	필수	HIV 5.5°x2, 5.5° (E) (CD 22)
3	비고		문자	-	선택	-

기준형상

입 상 계 통 도

기호	규격	비고

비고	

6. 통신설비분야 도면 테이블 목록 (해당 목록 없음)

테이블 명칭		분류코드	

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	

기준형상	
비고	

7. 조경분야 도면 테이블 목록

7.1 식재수량표

테이블 명칭	식재수량표	분류코드	L001

	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
구성기준	1	구분	리스트	문자	-	선택	상록교목
	2	기호		심벌	-	선택	
	3	품명		문자	-	필수	대나무
	4	규격		문자	-	필수	H4.0xR4
	5	단위		문자	m2/주/본	필수	
	6	수량		숫자	-	필수	
	7	비고		문자	-	선택	

기준형상

□ 식재수량표

구분	기호	품명	규격	단위	수량	비고

비고	1. 식재/시설물,휀스/포장,경계석/에 따라 제목문자가 달라질 수 있다.

7.2 식재총괄수량표

테이블 명칭	식재총괄수량표	분류코드	L002

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	구분	리스트	문자	-	선택	상록교목
2	기호		심벌	-	선택	
3	품명		문자	-	필수	대나무
4	규격		문자	-	필수	H4.0xR4
5	단위		문자	m2/주/본	필수	
6	수량		숫자	-	필수	
7	영역-1		숫자	-	선택	
8	영역-2		숫자	-	선택	
9	.		숫자	-	선택	
10	.		숫자	-	선택	
11	.		숫자	-	선택	
12	비고		문자	-	선택	

기준형상

□ 식재총괄수량표

구분	기호	품명	규격	단위	수량	영역-1	영역-2	비고

비고

1. “영역” 의 개수에 따라 “영역” 항목이 증감될 수 있다.
2. 식재/시설물,휀스/포장,경계석/에 따라 제목문자가 달라질 수 있다.

7.3 녹지구적표

테이블 명칭	녹지구적표	분류코드	L003

구성기준	번호	속성정보		형 식	단 위	필수	비 고
		항 목	자료구조	(정밀도)		여부	
	1	구분	리스트	문자	-	필수	녹지구적
	2	번호		문자(숫자)	-	필수	가
	3	면적		숫자	m2	필수	328
	4	비고		문자	-	선택	인공지반

기준형상

□ 녹지구적표

구분	번호	면적	비고

비고	1. 번호는 가,나,다/1,2,3/(1),(2)(3) 등의 방식을 선택할 수 있다.. 2. 비고란에 “인공지반/자연지반” 을 구분하여 표기할 수 있다.

7.4 마운딩수량표

테이블 명칭	마운딩수량표	분류코드	L004

구성기준

번호	속성정보		형 식	단 위	필수	비 고
	항 목	자료구조	(정밀도)		여부	
1	기호	리스트	문자	-	필수	가
2	A0		숫자	M3	필수	328
3	A1		숫자	-	선택	.
4	An-1		숫자	-	선택	.
5	An		숫자	M3	필수	458
6	체적		숫자	M3	필수	4800

기준형상

□ 마운딩수량표

기호	A0	A1	An-1	An	체적(M3)

비고	1. 번호는 가,나,다/1,2,3/(1),(2)(3) 등의 방식을 선택할 수 있다.

건설CALS/EC 전자도면 작성표준 V2.0

[부속서 7]

도면 약어 목록

KICT 한국건설기술연구원

[부속서 7] 도면 약어 목록

목 차

0. 도면 약어 목록 범례

1. 공통분야 도면 약어 목록 ····· 1

2. 토목분야 도면 약어 목록 ····· 10

3. 건축분야 도면 약어 목록 ····· 12

4. 기계설비분야 도면 약어 목록 ····· 16

5. 전기설비분야 도면 약어 목록 ····· 24

6. 통신설비분야 도면 약어 목록 ····· 29

7. 조경분야 도면 약어 목록 (해당목록 없음)

0. 도면 약어 목록 범례

가. 도면 약어 목록의 구조는 다음과 같다.

번호	약어 ①	유사약어 ②	영문원어	한글용어	분류코드 ③	비고
0028	BFV		butterfly valve	버터플라이밸브	MM	
0029	BFW		boiler feed water	보일러 급수	MZ	
0030	BHP		brake horse power	제동 마력	MU	
0031	BLR	B	boiler	보일러	MM	

① 도면에 사용되는 약어
② 유사하게 사용되는 약어 (가급적 사용 자제)
③ 약어에 대한 분류를 나타내는 코드. (건설전문분야 분류코드 1자리+용도 분류코드 1자리)
(예 : BFV(버터플라이벨브) → MM (Mechanical Material, 기계분야 자재)

건설전문분야 분류코드		용도 분류코드	
Z	일반(General)	Z	일반(General)
C	토목(Civil)	U	단위(Unit)
A	건축(Architecture)	D	치수(Dimension)
M	기계설비(Mechanical)	M	자재(Material)
E	전기설비(Electrical)	X	기타분야(Other Disciplines)
S	구조(Structure)		
V	측량(Survey/Mapping)		
T	통신설비(Telecommunications)		
F	시설관리(Facilities Management)		
G	지리정보(GIS)		
R	실내건축(inteRiors)		
L	조경(Landscape)		
X	기타분야(Other Disciplines)		

나. 토목, 건축 등 각 분야에서는 공통 약어 목록과 해당 분야별 약어 목록을 함께 사용한다.

1. 공통분야 도면약어 목록

공통분야도면약어

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0001	#	NO	number	번호, 순번	XZ	
0002	%	PCT	percent	백분율(퍼센트)	XU	
0003	&	/	and, per	그리고, ~와 함께, ~위	XZ	
0004	@		at (spacing)	간격, 단위간격	XZ	
0005	°	DEG	degree	도, 각도	XU	
0006	ABV		above	위쪽, 상단, 상부	XZ	
0007	AC		asbestos cement	석면(石綿)시멘트	ZM	
0008	ACST		acoustic, acoustical	흡음의, 방음의	XZ	
0009	ADJ		adjacent	인접한, 직전의, 직후의	XZ	
0010	ADJ		adjustable	조정할 수 있는	XZ	
0011	ADMIN		administration	관리(管理), 운영	XZ	
0012	AF		audio frequency	가청주파수(可聽周波數)	ZZ	
0013	AFS		above finished slab	마감슬래브 위	ZZ	
0014	AFS		automatic fire shutter	자동 방화 셔터	ZM	
0015	AG		aluminum grill	알루미늄 그릴	ZM	
0016	AGGR		aggregate	골재(骨材)	ZZ	
0017	AL	ALUM	aluminum	알루미늄	ZM	
0018	ALT		altitude	표고, 해발, 고도	XZ	
0019	ALTRN	ALT	alteration, alternate	대안	XZ	
0020	AMP	AMPL	amplifier	증폭기, 앰프	ZM	
0021	ANDZ		anodized	산화 처리된(금속)	ZX	
0022	APP		appearance	외관	XZ	
0023	APP	APPROX	approximate, approximately	근사치, 대략	ZZ	
0024	ASB		asbestos	석면(石綿)	ZM	
0025	ATT	ATTEN	attenuator, attenuating	감쇠기	XM	
0026	AUTO		automatic	자동, 자동의	XZ	
0027	AUX		auxiliary	보조의	ZZ	
0028	AVG		average	평균의	XD	
0029	AW		acid waste	산성폐(수)기물	XX	
0030	AW		actual weight	실중량	ZD	
0031	B/M		bill of materials, material list	재료표(材料表)	ZZ	
0032	BAG		baggage	수화물	XZ	
0033	BC		between centers	중심간격	ZD	
0034	BC	BCD	bolt circle	볼트 직경	ZD	
0035	BC		bookcase	책장, 책꽂이	ZM	
0036	BC		brick color	벽돌색	XZ	
0037	BC		building code	건축법규	XZ	
0038	BD		board	판자, 보드	ZM	
0039	BITM	BITUM	bituminous	역청(瀝靑)질의	ZZ	
0040	BL		base line	기준선	ZZ	
0041	BL	BLK	block	블록	ZZ	
0042	BL		building line	건축선(建築線)	ZZ	
0043	BLDG		building	빌딩, 건물	ZZ	
0044	BLT		bolts	볼트	ZM	
0045	BLT		built	조립된	ZZ	
0046	BND	BNDG	bonding	본드 붙임	XZ	
0047	BOP		bottom of pipe	관(파이프) 바닥	ZZ	
0048	BOP		bottom of plate	플레이트 하부	ZZ	
0049	BOT	BTM	bottom	바닥, 지반, ~의 하부로부터	ZZ	
0050	BP		beginning point	시점	ZZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0051	BP		building paper	빌딩 페이퍼, 방수용 종이	ZM	
0052	C	℃	celsius	섭씨의, 섭씨온도	ZU	
0053	C		clock	시계, 시간기록기	ZM	
0054	C		core	코어	ZZ	
0055	C TO C	CTC	center to center	중심간 간격(거리)	ZD	
0056	CAB		cabinet	캐비닛	ZZ	
0057	CAP		capacity	용량(容量), 용적(톤수)	ZD	
0058	CEM		cement, cementery	시멘트	ZM	
0059	CF		cement floor	시멘트 바닥	ZZ	
0060	CG		center of gravity	중심(重心)	XZ	
0061	CH	CHI	chimney	굴뚝	ZZ	
0062	CHK'D		checked	무늬있는	XZ	
0063	CI		cast iron	주철(鑄鐵)	ZM	
0064	CIRC		circular, circulation	원형의, 순환하는, 순환	XZ	
0065	CJ		control joint	신축줄눈	ZZ	
0066	CL		center line	중심선	ZZ	
0067	CL		class	등급, 종류	XZ	
0068	CL		close	끝, 접합, 면밀한	XZ	
0069	CLASS		classification	분류	XZ	
0070	CLDG	CLD	cladding	금속피복	XZ	
0071	CLKG		caulking, calking	코킹	ZZ	
0072	CLR	CL	clear / clearence	안치수, 피복두께	ZD	
0073	CLR		color	색상	XZ	
0074	CM	cm	centimeter	센티미터	ZU	
0075	CMH	m3/hr	cubicmeter per hour	시간당 1입방미터	ZU	
0076	CMM	m3/min	cubicmeter per minute	분당 1입방미터	ZU	
0077	CMS	m3/sec	cubicmeter per second	초당 1입방미터	ZU	
0078	CNTR		counter	카운터, 계산대	ZZ	
0079	CO		carbon monoxide	대기중 일산화탄소 농도	XU	
0080	CO		company	회사, 제작사	XX	
0081	COEFF	COEF	coefficient	계수(係數)	XD	
0082	COM		common	보통의, 공통의	ZZ	
0083	COMM		communication	통신	XZ	
0084	CONC		concentric	동심원, 중심이 같은	XZ	
0085	COND		condition, conditioned	조건, 상태	XZ	
0086	CONF		conference	회의, 협의	XZ	
0087	CONN		connect, connection	연결(連結), 접합	XZ	
0088	CONST		constant	상수(常數)의, 불변의	XZ	
0089	CONST	CONSTR	construction	건설(建設), 공사(工事)	XZ	
0090	CONT		continue	계속되는, 연속되는	XZ	
0091	CONT		controller	제어기	ZM	
0092	CONV		convert	변환	XZ	
0093	COORD	CO	coordinate	좌표의	ZZ	
0094	CORR		correct	옳은, 합당한	XZ	
0095	COV		cover	덮개, 뚜껑	XZ	
0096	CP		concrete pipe	콘크리트관	ZM	
0097	CT		count	집계	XZ	
0098	CTR		center	중심, 중앙	ZZ	
0099	CTR		contour	등고선	XZ	
0100	CU		cubic	입방의, 세제곱의	ZU	
0101	CW		clockwise	시계방향	XZ	
0102	D		deep, depth	깊은, 깊이	XZ	
0103	D		drain/drainage	배(출)수	ZZ	
0104	DA		disabled	사용할 수 없는	XX	

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0105	dB		decibel	데시벨	XU	
0106	DB		dry bulb	건구(乾球)	ZM	
0107	DBL		double	이중의, 배수의	XZ	
0108	DEG F	°F	degrees Fahrenheit	화씨온도	XU	
0109	DEPT		department	부, 부서	XX	
0110	DET		detail	상세(도)	ZX	
0111	DF		diesel fuel	디젤 연료	ZM	
0112	DF		drinking fountain	음용수 샘물	XZ	
0113	DIA	∅, DIAG	diameter	지름, 직경	ZD	
0114	DIAG		diagonal	대각선의	XZ	
0115	DIAG		diagram	그림, 도표	XZ	
0116	DIM		dimension	치수	ZD	
0117	DIV		divide	분할, 나누기	XZ	
0118	DIV		division	구분, 과(科), 부(部)	XZ	
0119	DL		dead load	사하중(死荷重)	ZZ	
0120	DL		designed level	계획고, 시공기면	ZZ	
0121	DN		down	내림, 내려감	XZ	
0122	DO	"	ditto	위와 같음, 상동	XZ	
0123	DR	D	drain	배수	ZZ	
0124	DRG		drainage	배수(공)	ZZ	
0125	DS	d/s	downstream	하류(下流)의	XZ	
0126	DWG		drawing	그림, 도면	XZ	
0127	DWLS		dowels	맞춤못, 다월	ZM	
0128	DX		duplex	이중의, 이연식, 쌍방의	XZ	
0129	E		earth	지반, 토사	XZ	
0130	E		east	동쪽	XZ	
0131	E		edge	모서리, 구석	XZ	
0132	E		end	끝, 종점부	XZ	
0133	E		modulus of elasticity	탄성계수(彈性係數)	ZU	
0134	E TO E	ETE	end to end	종점간 간격	ZD	
0135	EA		each	개, 개수, 개소	ZD	
0136	EC		existing construction	기존시설 확장공사	ZZ	
0137	EC		exposed construction	노출구조	ZZ	
0138	ECC		eccentric	편심(偏心)의	XZ	
0139	EF		each face	각면	ZZ	
0140	EFF		effective	유효한, 효과적인	XZ	
0141	EFF		efficiency	효율	XZ	
0142	EL		each layer	각 계층, 개별레이어	XX	
0143	EL		elevation(height)	높이(표고), 레벨, 입면기준	ZZ	
0144	ELEV		elevation(view)	입면도	ZZ	
0145	ENAM	E	enamel	에나멜	ZM	
0146	ENGR		engineer, engineering	기술(자), 공학(자)	ZZ	
0147	ENGY		energy	에너지	ZZ	
0148	EQ		equal	동등한, 균등한	XZ	
0149	EQUIP	EQPT	equipment	설비, 시설	ZZ	
0150	EQUIV		equivalent	동등한, 균등한	XZ	
0151	ERECT		erection	직립, 조립	ZZ	
0152	ESP		especially	특별한	XX	
0153	EST		estimate	견적, 산출	ZZ	
0154	ETC		et cetera	기타, 등등	XZ	
0155	EW		each way	각(양) 방향	XZ	
0156	EX		example	예, 보기, 사례	XZ	
0157	EXC		excavation / excavate	굴착, 터파기	ZZ	
0158	EXH		exhaust	배출	XZ	

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0159	EXP		expansion, expand	확장, 팽창	XZ	
0160	EXP	EXPO	exposed	노출된	XZ	
0161	EXP BT		expansion bolt	익스팬션볼트	ZM	
0162	EXST	EXIST, E	existing	기존의, 원래의	XZ	
0163	EXT		extension	외부, 연장, 확장	XZ	
0164	EXT		exterior, external	외부, 외부의, 외장의	XZ	
0165	F		female	여성, 여성용	XZ	
0166	F		fixture	고정	XZ	
0167	F		frame	프레임	ZZ	
0168	FA		fresh air	신선한 공기	XZ	
0169	FB		flat bar	평철	ZM	
0170	FF		finish face	마감면	ZZ	
0171	FH		flat head (screws)	납작머리(나사), 접시머리(나사)	ZM	
0172	FIG		figure	모양, 형상, 형태	XZ	
0173	FIN		finish	마감	XZ	
0174	FIX	FIX'D	fixed	고정	XZ	
0175	FIXT		fixture	설비(물)	ZZ	
0176	FL		finish level	마감레벨, 계획고	ZZ	
0177	FL	FLR	floor	바닥/층	ZZ	
0178	FL		floorline	바닥선	ZZ	
0179	FLEX		flexible	유연한, 유연성있는	XZ	
0180	FLG		flange	플랜지	ZM	
0181	FLR		filler	주입기, 충전재	ZM	
0182	FLUOR		fluorescent	형광의, 발광의	XZ	
0183	FN		fence	울타리, 담장	ZX	
0184	FP	FPRF	fireproof	내화의	ZZ	
0185	FS		full scale	실척	ZD	
0186	FS		full size	실물크기	ZD	
0187	FT	'	foot or feet	피트	ZU	
0188	FUT		future	미래, 장래, 예정	XZ	
0189	G		gas, natural gas	개스, 천연개스	ZM	
0190	G	g	gram	그램	ZU	
0191	G	GND	ground	마당, 운동장, 지면, 지표면, 지반	ZZ	
0192	GAL		gallon(s)	갤론	ZU	
0193	GALV	GAL	galvanic, galvanized	아연도금	XZ	
0194	GEN		general	일반의, 전체적인	XZ	
0195	GF		guard fence	보호울타리	ZZ	
0196	GL		glass	유리	ZM	
0197	GL		ground level(floor)	지반표고, 지반고	ZZ	
0198	GOV		governor	관리자	XX	
0199	GPS		gallons per second	초당 갤론	ZU	
0200	GR		grade	등급	XZ	
0201	GR		gross	총계	XD	
0202	GR		guard rail	가드레일	ZM	
0203	GR LN	GL	ground(grade) line	지반선, 정지선	ZZ	
0204	GRTG		grating	격자 모양의 뚜껑, 그레이팅	ZZ	
0205	GT		gross ton	총 톤수	ZU	
0206	GUT		gutter	처마 홈통	ZZ	
0207	H		H-steel, H-beam	H형강(H形鋼)	ZM	
0208	HA	ha	hectar	헥타르	ZU	
0209	HC		handicap	신체장애	XX	
0210	HCP	HDCP	handicapped	신체장애자	XX	
0211	HD		head	머리, 두부	XZ	
0212	HEX		hexagon, hexagonal	육각형, 육각형의	XX	

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0213	hm		hectometer	헥토미터	ZU	
0214	HMD		humidity	습도	XZ	
0215	HORIZ	HOR	horizontal	수평	ZZ	
0216	HP		high point	최고(지)점	ZZ	
0217	HP		high pressure	고압력	ZZ	
0218	HP	hp	horsepower	마력	ZU	
0219	HPS		high pressure sodium	고압 나트륨	XX	
0220	HR	H, hr	hour	시간	ZU	
0221	HS		high strength	고강도	XZ	
0222	HSE		house	주택, 가옥	XZ	
0223	HT	HGT, H	height	높이	XZ	
0224	HT		high tension	고장력	XZ	
0225	HW		hot water	온수, 열탕	ZZ	
0226	HWL		high water level	만조(滿潮) 수위	ZZ	
0227	HWS		high water surface	만조면(滿潮面)	ZZ	
0228	HWY		highway	고속국도, 간선도로	XZ	
0229	HYDR		hydraulic	수력의, 수압의	ZZ	
0230	ID		inside diameter	내경, 내측 직경	ZD	
0231	IN		in	~안에, 입구	XZ	
0232	IN	"	inch	인치	ZD	
0233	INCL		include/including	~을 포함하여	XZ	
0234	INFO		information	정보, 자료(data)	XZ	
0235	INSP		inspect/inspection	검사, 조사, 점검	XZ	
0236	INSUL		insulation	단열(재), 보온재	ZM	
0237	INV		invert	도수로 관(거) 등 바닥	ZZ	
0238	INV EL	IE	invert elevation	도수로 관(거) 등 바닥표고	ZZ	
0239	IO	I/O	input/output	입출력	XX	
0240	IP		iron pipe	강관	ZM	
0241	IW		industrial waste	산업폐기물	XZ	
0242	IW		irrigation water	관개 용수	XZ	
0243	JT		joint	이음(매)	ZZ	
0244	K		kelvin	켈빈(절대온도의 단위)	XU	
0245	K		kilo, thousand	킬로(Km, Kg 등의 생략형)	ZU	
0246	K		kip (1000 lb)	킵(1,000 파운드)	ZU	
0247	KBPS		kilo-bits per second	분당 킬로비트	XU	
0248	KCAH		kilo calorie per hour	시간당 킬로칼로리	XU	
0249	KG	kg	kilogram	킬로그램(1,000g)	ZU	
0250	KM	㎞	kilometer	킬로미터(1,000m)	ZU	
0251	KPA	kPa	kilopascal	킬로파스칼	XU	
0252	L		angle(L-shape)	앵글(L형강)	ZM	
0253	L	LG	length	길이	ZD	
0254	L	LIT	liter	리터(1,000cc)	XU	
0255	L/s		liter per second	초당 리터	XU	
0256	LAD		ladder	사다리	ZM	
0257	LAM		laminate, laminated	얇은판 코팅, 박층	ZZ	
0258	LAT		lateral	측면의, 가로의, 횡의	ZZ	
0259	LAT		latitude	위도	XZ	
0260	LB		pound	파운드	ZU	
0261	LG		liquid gas	액화개스	XZ	
0262	LG		long	길이방향, 긴	XD	
0263	LH		left hand	왼손, 왼손잡이의	XZ	
0264	LIM		limit	제한, 한계	XZ	
0265	LL		low level	저수위(低水位)	XZ	
0266	LL		lower left	왼쪽 아래, 좌측하단	XZ	

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0267	LOC		location	장소, 위치	ZZ	
0268	LPM		liter per minute	분당 리터	XU	
0269	LR		long radius	장반경(長半徑)	XZ	
0270	LT		light	가벼운(경량), 밝은	XZ	
0271	LT		low tension	저인장(低引張)	ZZ	
0272	LWL		low water level	저수위(貯水位), 간조위	XZ	
0273	LWS		low water surface	저수면(貯水面), 간조면	XZ	
0274	M	m	meter	미터	ZU	
0275	MATL		material	재료, 자재, 요소	XZ	
0276	MAX		maximum	최대(치)	ZD	
0277	MBtuF		thousand Btu per hour	시간당 1000Btu	XU	
0278	MC		manhole cover	맨홀뚜껑	ZM	
0279	MC		moisture content	수분(水分), 함수율(含水率)	ZZ	
0280	MEMB		membrane	얇은 막(膜)	XZ	
0281	MFR		manufacturer	제조업자	XX	
0282	MH		manhole	맨홀, 점검구	ZM	
0283	MIN		minimum	최소(값)	ZD	
0284	MIN		minute	분	ZU	
0285	MIR	MIRR	mirror	거울	XM	
0286	MISC		miscellaneous	기타, 잡다한, 부대의	XZ	
0287	MK		mark	표시, 표식	XZ	
0288	ML		match line	접합선, 매치라인	XZ	
0289	ML		metal lath	메탈 라스	ZM	
0290	ML		meterials list	재료표(材料表)	ZZ	
0291	ML		monolithic	일체식의, 단일체의, 모놀리식 집적회로	ZZ	
0292	MM	㎜	millimeter	밀리미터	ZU	
0293	MM2	㎟	square milimeter	평방 밀리미터	ZU	
0294	MPM		mitre per minute	분당 미터	XU	
0295	MPS		medium pressure steam	중압(中壓)증기	ZU	
0296	MPS		mitre per second	초당 미터	XU	
0297	MR		moisture resistant	내습성(耐濕性)의	XZ	
0298	MS		material seperator	재료 분리기	ZM	
0299	ms		millisecond	밀리세컨드(1/1,000초)	XU	
0300	MTD		mean temperature difference	평균온도차(平均溫度差)	XX	
0301	MTL	MET	metal	금속의	XZ	
0302	MW		microwave	마이크로파, 극초단파	XZ	
0303	N		newton	뉴턴	XU	
0304	N		north	북, 북쪽	XZ	
0305	NA	N/A	not applicable	해당사항 없음	XZ	
0306	NC		new construction	시설 신설공사	ZZ	
0307	NC		noise criteria	소음기준	XX	
0308	NC		normally closed	주로 닫혀있는	XX	
0309	NEG		negative	음수(陰數)의, 마이너스의	XZ	
0310	NEUT	N	neutral	중성의, 중립의	XZ	
0311	NIC		not in contract	별도공사	ZZ	
0312	NO		normally open	주로 열려있는	XX	
0313	NOM		nominal	공칭	ZD	
0314	NRC		noise reduction coefficient	차음율(遮音率)	ZU	
0315	NTS	NONE, NS	not to scale	축척없음	ZZ	
0316	OA		outside air	외기	ZZ	
0317	OA		overall	전체의, 종합적인	XZ	
0318	OBS		obscure	어두컴컴한, 어두운	XZ	
0319	OC		on center	중심선 간격	ZD	
0320	OD		outside diameter	외경(外徑)	ZD	

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0321	OD		outside dimension	외측 치수	ZD	
0322	OF		outside face	갓둘레, 바깥면	ZZ	
0323	OFD		overflow drain	월류(越流) 배수	ZZ	
0324	OP		oil paint	유성도료	ZM	
0325	OPER		operation	가동, 작동	XZ	
0326	OPNG	OPN'G	opening	개구부	ZZ	
0327	OPP		opposite	반대편	XZ	
0328	OPR		operable	작동 가능한	XZ	
0329	OUT		out	~밖으로, 출구	XZ	
0330	OUT		outlet	토수구(吐水口), 전기인출구	ZZ	
0331	OV		outlet velocity	방류유속	ZZ	
0332	OVHD		overhead	고가(高架)의, 가공(架空)의	XZ	
0333	P		paint	도료	ZU	
0334	P		pole	기둥, 지주	ZZ	
0335	Pa		pascal	파스칼	XU	
0336	PASS		passenger	승객	XZ	
0337	PB		panelboard	판넬보드, 배전반	ZM	
0338	PC		polycarbonate	폴리카보네이트	XM	
0339	PE	POLY	polyethylene	폴리에칠렌	XM	
0340	PEU		polyurethane	폴리우레탄	XM	
0341	pH		acid/alkaline scale	페하(수소이온농도)	XU	
0342	PH		phase	단계	XX	
0343	PIV		pivoted	중추의	XZ	
0344	PL		plate	강판, 플레이트	ZM	
0345	PL		property line	대지경계선	ZZ	
0346	PLAS	PLS	plaster	회반죽(석고질)	XM	
0347	PNL		panel	패넬	ZM	
0348	PR	P	pair	한쌍의, 한벌의	XX	
0349	PREFAB		prefabricate, prefabricated	조립구조(組立構造)의	XZ	
0350	PRELIM		preliminary	시초의, 예비의	XZ	
0351	PROJ		project	계획안(案), (건설)사업	XZ	
0352	PS		polystyrene	폴리스티렌	XM	
0353	PT		paint	도료	XM	
0354	PT		point	지점	XX	
0355	PTD		printed	인쇄된	XX	
0356	PVC		polyvinyl chloride	염화비닐, PVC	XM	
0357	PWR	P	power	힘, 동력, 세기	XZ	
0358	QTY	Q'TY	quantity	수량, 양	XZ	
0359	QUAL		quality	품질	XZ	
0360	R	RAD	radius	반경, 반지름	XZ	
0361	R		range	줄, 열, 범위	XZ	
0362	R		riser	단높이, 계단의 수직판	ZZ	
0363	RAD		radian	라디안	XD	
0364	REF	RE:	refer to, reference	참조	XZ	
0365	REFR		refractory	내화(耐火)성의	XX	
0366	REFR		refrigeration	냉장, 냉동, 냉각	XZ	
0367	REM		removable	이동, 제거가능한	XZ	
0368	REQ		require	요구하다, 요청되다.	XZ	
0369	REQD	REQ'D	required	요구된, 요청된	XZ	
0370	REV		revision	정정, 수정, 편집	XZ	
0371	REV		revolutions	회전	XZ	
0372	RH		relative humidity	상대 습도	XZ	
0373	RH		right hand	오른손	XZ	
0374	RLWY		railway	철도	XZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0375	RND		round	둥근	XZ	
0376	RPM		revolutions per minute	분당 회전수	ZU	
0377	RS		reverse of scale	도면 축척변수(분모)	ZZ	
0378	RT		right	우측	XZ	
0379	RVT		rivet	리벳	ZM	
0380	RWL		rain water leader	선홈통	ZM	
0381	RWP		rainwater pipe	우수관	ZM	
0382	S		scale	축척	ZZ	
0383	S		south	남, 남쪽	XZ	
0384	SAT		saturate	포화	XZ	
0385	SC		shading coefficient	음영계수, 차폐계수	ZU	
0386	SCHED	SCH	schedule	일정, 일람표	ZZ	
0387	SD		shop drawings	현장 제작도면	ZZ	
0388	SEC	"	second	초	ZU	
0389	SECT		section	단면	ZZ	
0390	SF		square foot (feet)	평방 피트	ZU	
0391	SHR		sensible heat ratio	현열비	ZD	
0392	SHT		shaft	샤프트, 축(軸)	ZZ	
0393	SHT		sheet	종이, 박판	XZ	
0394	SIM		similar	유사한	XZ	
0395	SK		sketch	스케치, 개략	XX	
0396	SL		sea level	해수면	XZ	
0397	SL		slope	경사	ZZ	
0398	SLM		self leveling mortar	자기 수평 몰탈	ZM	
0399	SM		sheet metal	판금	ZM	
0400	SM		small	작은, 소규모의	XZ	
0401	SM		smooth	매끄러운, 평탄한	XZ	
0402	SP		standpipe	수직관	ZM	
0403	SP		sump pit	배수조	ZZ	
0404	SPCg		spacing	간격	ZZ	
0405	SPEC		specification(s)	시방서	ZZ	
0406	SQ		square	정방형, 정사각형	XU	
0407	SST	STS	stainless steel	스테인리스 스틸	ZM	
0408	ST		stair	계단	ZZ	
0409	STD		standard	표준, 기준	XX	
0410	STL	ST, ST'L	steel	철재, 강재	ZM	
0411	STP		standard temperature and pressure	표준 온도 및 압력	ZZ	
0412	STR		straight	스트레이트, 직선의	XX	
0413	STR		strike	주향	ZZ	
0414	SUSP		suspend	(매)달다. 걸다	ZZ	
0415	SVCE	SERV	service	공급, 설계	XZ	
0416	SW		sanitary waste	위생폐기물, 위생폐수	ZZ	
0417	SW		sidewalk	보도	XZ	
0418	SW		sound-proof wall	방음벽(防音壁)	ZZ	
0419	SW		switch	스위치	ZM	
0420	SYM		symbol	기호, 형상, 문양	XX	
0421	SYMM	SYM	symmetrical	대칭의, 균형잡힌	XX	
0422	SYN		synchronous	동시의, 동기의, 동위상의	XZ	
0423	SYS		system	시스템	XX	
0424	T	t	ton	톤	ZU	
0425	TEMP		temperature	온도	ZU	
0426	TEMP		temporary	가(假), 임시의	ZZ	
0427	THK	T	thickness, thick	두께, 두꺼운	XZ	
0428	TO	T/	top of ~	~의 상단	XZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0429	TOC		table of contents	표내용	ZZ	
0430	TR		towel rack	수건걸이	ZM	
0431	TRANSV		transverse	가로축의, 횡단의	ZZ	
0432	TWL		tailwater level	방수 레벨	ZZ	
0433	TYP		typical	표본, 공통	XZ	
0434	UC		undercut	언더컷(용접결함)	ZZ	
0435	UGND	UG	underground	지하의, 매설된	ZZ	
0436	ULT		ultimate	최종의, 마지막의	XX	
0437	UNFIN	UNF	unfinish	끝나지 않는, 미완성된	XZ	
0438	UNO		unless noted otherwise	주기에 표기되지 않는 한	XZ	
0439	UP		up	~위에, 오름	XZ	
0440	UP		utility pole	유틸리티 폴	XZ	
0441	US	u/s	upstream	역류하는	XZ	
0442	VAR		variation, varies, variable, various	변화하는, 변화치수, 다양한	XZ	
0443	VERT	VER	vertical	수직의, 수직	XZ	
0444	VIF		verify in field	현장검증	XZ	
0445	VIS		visual	시각의, 시각정보	XZ	
0446	VOL		volume	분량, 용량, 수량	XZ	
0447	VS		versus	~대(對), ~와 대비하여	XZ	
0448	W		waste	폐기물, 쓰레기	XZ	
0449	W		west	서, 서쪽	XZ	
0450	W		wide/width	넓이, 폭	XZ	
0451	W/		with	~와, ~위	XZ	
0452	W/O		without	~이 없는, ~을 제외한	XZ	
0453	WAIT'G		waiting	대기	XX	
0454	WARR		warranty	보증, 보증서	XX	
0455	WASH		washer, wash	세척	XZ	
0456	WD	W	wood	목재	XM	
0457	WL		water line	수위(水位) 라인	ZZ	
0458	WM		wire mesh	와이어메쉬	ZM	
0459	WP		waterproofing	방수	XZ	
0460	WP		working point	시공(작업) 기준점	ZZ	
0461	WR		water resistant	방수성의, 내수성의	XZ	
0462	WR		wire rope	와이어 로프	ZM	
0463	WT		water table	지하수면, 빗물막이, 물받이 돌림띠	ZZ	
0464	WT		watertight	방수의	XZ	
0465	WT		weight	중량	ZD	
0466	WW		warm white	흰색, 웜화이트	XZ	
0467	WW		waste water	폐수	XZ	
0468	WWF		welded wire fabric	용접철망	ZM	
0469	WWM		welded wire mesh	용접와이어메쉬	ZM	
0470	Z		modulus of section	단면계수	ZZ	
0471	Z		zone	영역, 구역	ZZ	

2. 토목분야 도면약어 목록

토목분야도면약어

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0001	AB		anchor bolt	앵커 볼트	SM	
0002	AC	ASCON	asphaltic concreate	아스팔트콘크리트, 아스콘	CZ	
0003	AFG		above finished grade	마감정지 위	CZ	
0004	ASPH		asphalt	아스팔트	CM	
0005	BC		beginning of curve	원곡선시점	CZ	
0006	BH		boring hole	시추공	CZ	
0007	BM		bench mark	기준점(基準點), 도근점(삼각점, 수준점)	VZ	
0008	BOD		bottom of ditch	배수구(도랑)의 바닥	CZ	
0009	BR		blasting rock	발파암	CX	
0010	BR		bridge	교량, 육교	CZ	
0011	BRG		bearing	방위(方位) 각	VZ	
0012	BTC		beginning of tangent curve	완화곡선지점	CZ	
0013	BVC		beginning of vertical curve	종단곡선시점	CZ	
0014	C		channel	ㄷ형강, 챤넬	SM	
0015	CB		catch basin	물고임통, 토사수집거	CZ	
0016	CF		catch flow	도수로, 집수거	CZ	
0017	CL		curve length	곡선길이	CZ	
0018	CONC	CON'C	concrete	콘크리트	SM	
0019	CP		catch pit	집수정	CZ	
0020	CP		control point	기준점, 대조지점(對照地點)	VZ	
0021	DA		drainage area	배수지(구)역	CZ	
0022	EA		earth anchor	어스앵커	SM	
0023	EC		end of curve	원곡선 종점	CZ	
0024	EP		edge of pavement (paving)	포장면 가장자리	CZ	
0025	EP		ending point	끝점, 선형 종점	CZ	
0026	ES		edge of shoulder	길어깨(路肩) 가장자리	CZ	
0027	ETC		ending tangent curve	완화곡선종점	CZ	
0028	EVC		ending vertical curve	종단곡선 종점	CZ	
0029	EXST GR	EG	existing grade	원지반	CZ	
0030	FH		finish height	계획고, 정지고	CZ	
0031	FWL		flood water level	홍수위	CZ	
0032	GFRC		glassfiber reforced concrete	유리섬유 보강 콘크리트	SM	
0033	GPS		ground positioning system	위성위치수신장치	VZ	
0034	IA		intersecting angle	교각, 교차각	CZ	
0035	IC		interchange	교차로, 인터체인지	CZ	
0036	IP	PI	intersection point	교차점, 교회점	CZ	
0037	JB		junction box	분기(分岐)/합류(合流) 암거	CZ	
0038	JC	JCT	junction	도로 분기점(分岐點)	CZ	
0039	LAT		lattice	래티스, 복부재	SM	
0040	LC		length of curve	곡선장(曲線長)	CZ	
0041	LWC		lightweight concrete	경량(輕量)콘크리트	SM	
0042	MSL		mean sea level	평균수준면(平均水準面)	CZ	
0043	PC	BC	point of curve	곡선 시점	CZ	
0044	PC		portland cement	포틀랜드 시멘트	SM	
0045	PC		precast concrete	프리캐스트 콘크리트	SM	
0046	PFS		prevention fence for falling stone	낙석방지책(落石防止柵)	CZ	
0047	PG		profile grade	종단경사	CZ	
0048	PS		pull station	연장 전체	CX	
0049	PS CONC		prestressed concrete	프리스트레스트 콘크리트	SZ	
0050	RBM		reinforced brick masonry	고강도 벽돌	SM	
0051	RC		reinforced concrete	철근콘크리트	SZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0052	RD		rainwater drain	우배수(관)	CZ	
0053	RR		ripping rock	리핑암	CX	
0054	RW		retaining wall	옹벽(擁壁), 흙막이벽	CZ	
0055	RW	RDWY	roadway	도로	CZ	
0056	SCP		sand compaction pile	샌드 콤팩션파일	CM	
0057	SD		sand drain pipe(pile)	샌드 드레인파이프(파일)	CM	
0058	SD		storm drain	우수 관거	CZ	
0059	SL		secant length	외선장, 외할	CZ	
0060	SM		sand mat	샌드매트	CM	
0061	SM		silty sand	점토질 모래	CZ	
0062	SRC	SRC.	steel reinforced concrete	철골합성 철근콘크리트	SZ	
0063	SRC		steel reinfored column	철골보강기둥	SZ	
0064	SS		sanitory sewer	오수거(汚水渠), 오수구	CZ	
0065	SS		storm sewer	우수거(雨水渠)	CZ	
0066	SSD		subsoil drain	하층토(下層土) 배수	CZ	
0067	STA		station	측점	CZ	
0068	STIF	STIFF	stiffener	스티프너, 보강재(補剛材)	SM	
0069	TBM		turning benchmark	수준점	VZ	
0070	TL		tangent length	접선장	CZ	
0071	TOP	TP	top of pavement	포장면 상단의	CZ	
0072	TP		tangent point of curve	곡선의 접점	CZ	
0073	VIP		vertical intersection point	종단곡선교차점	CZ	
0074	DL		datum level	기본수준면	ZZ	
0075	BP		base point	기준점	ZZ	
0076	NO		number	번호	ZZ	
0077	COP		center of pipe	파이프 중심	ZZ	
0078	S		slope	경사	CZ	
0079	GH		ground height	지반고	CZ	
0080	LH		loading height	재하고	CZ	
0081	APP.H.H.W.L		approxivate highest high water level	약최고고조위	CU	
0082	H.W.O.S.T		high water of spring tide	대조평균고조위	CU	
0083	H.W.O.M.T		high water of mean tide	평균고조위	CU	
0084	H.W.O.N.T		high water level ordinary neap tide	소조평균고조위	CU	
0085	M.S.L		mean sea level	평균해수면	CU	
0086	L.W.O.N.T		low water level ordinary neap tide	소조평균저조위	CU	
0087	L.W.O.M.T		low water of mean tide	평균저조위	CU	
0088	L.W.O.S.T		low water of spring tide	대조평균저조위	CU	
0089	APP. L.L.W.L		approxivate lowest low water level	약최저저조위	CU	
0090	H.W.L		high water level	식망평균만조위	CU	
0091	L.W.L		low water level	식망평균간조위	CU	
0092	SP		spring range	소조(차)	CU	
0093	MN		mean range	평균조(차)	CU	
0094	NP		neap range	대조(차)	CU	
0095	QRR		quarry run rock	사석	CM	
0096	SCP		sand compaction pile	모래다짐말뚝(지반개량공법)	CM	
0097	GCP		graval compaction pile	자갈다짐말뚝(지반개량공법)	CM	
0098	PBD		plastic board drain	플라스틱보드드레인(연약지반압밀공법)	CM	
0099	DCM		deep cement method	배수지반개량공법	CM	
0100	TTP		tetrapod	테트라포트(삼발이, 소파블록)	CM	
0101	RMGC		rail mounted gantry crane	컨테이너 이송용 크레인	CM	
0102	HP		hume pipe	흄파이프	CM	
0103	ILB		interlocking block	소형고압블록	CM	
0104	FL		face line	표면선	SZ	
0105	B		breadth	폭	XZ	
0106	D		diameter	직경	XZ	
0107	DIST		distance	거리	XZ	

3. 건축분야 도면약어 목록

건축분야도면약어

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0001	ACS DR	ACD	access door	엑세스 도어, 점검구	AZ	
0002	ACS FLR		access floor	액세스 플로어	AZ	
0003	ACS PNL	AP	access panel	액세스 판넬	AM	
0004	ACT		acoustical ceiling tile	흡음 천정재, 흡음 천장판	AM	
0005	AD		aluminum door	알루미늄 문	AM	
0006	AFF		above finished floor	마감바닥 위	AZ	
0007	ARCH		architect, architectural	건축, 건축의	AZ	
0008	AS		aluminum shutter	알루미늄 셔터	AM	
0009	ATC		acoustical tile ceiling	흡음성 타일 천장	AM	
0010	AUD		automatic door	자동문	AM	
0011	AW		aluminum window	알루미늄 창	AM	
0012	AW		architectural woodwork	건축목공	AZ	
0013	B	BM	beam	보	SZ	
0014	BA		bath	욕실	AZ	
0015	BM		bending moment	휨모멘트	SZ	
0016	BN		bullnose	(벽돌,타일 모서리의) 둥근면	AZ	
0017	BOC		bottom of concrete	콘크리트(구체)의 바닥	SZ	
0018	BOF		bottom of footing, bottom of foundation	기초 하단부	SZ	
0019	BR		bedroom	침실	AZ	
0020	BRK		brick	벽돌	AM	
0021	BT		bathtub	(서양식) 욕조	AM	
0023	CB		corner bead	코너비드, 모서리 보호재	AM	
0022	CB		cement base	시멘트 베이스	SZ	
0024	CIP		cast-in-place	현장타설	SZ	
0025	CJ	CONST JT	construction joint	시공줄눈, 시공이음	SZ	
0026	CLG		ceiling	천장	AZ	
0027	CLG HT	CH	ceiling height	천장고	AD	
0028	CLO	CL	closet	옷장, 벽장	AM	
0029	CO		cased opening	문이 없는 개구부	AZ	
0030	CO		cleanout	청소구	AZ	
0031	COL	C	column	기둥	SZ	
0032	CORR		corridor	복도	AZ	
0033	CPT	CP	carpet	카페트	AM	
0034	CR		control room	관리실(管理室), 통제실	AZ	
0035	CR		convenience retail	편의점	AZ	
0036	CT		carpet tile	카펫 타일	AM	
0037	CT		ceramic tile	세라믹 타일	AM	
0038	CUB		cubicle	작은방, 열람실	AZ	
0039	CW		casement window	여닫이창	AM	
0040	DA		dry area	드라이에어리어	AZ	
0041	DC		dust chute	쓰레기 투입구	AZ	
0042	DR		dining room	식당	AZ	
0043	DR	D	door	문	AZ	
0044	DR		dressing room	갱의실(更衣室)	AZ	
0045	DR OPNG	DO	door opening	창호 개구부	AZ	
0046	DRLV	DL	door louver	문 (통풍을 위한) 미늘창	AM	
0047	DS		downspout	세로홈통	AM	
0048	DWR		drawer	서랍, 장롱	AM	
0049	EF		exterior finish	외장공사(外裝工事)	AZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0050	EJ		expansion joint	신축(伸縮)이음, 신축줄눈	SZ	
0051	EL	E/L, ELEV	elevator	엘리베이터, 승강기	AM	
0052	ENT	ENTR	entrance	출입구	AZ	
0053	ESCAL	E/S, ES	escalator	에스컬레이터	AM	
0054	EXP JT		expansion joint	신축(伸縮)이음, 팽창(膨脹)줄눈	SZ	
0055	F BRK	FBRK	fire brick	내화 벽돌	AM	
0056	FC		file cabinet	파일 캐비닛	AM	
0057	FCO		floor cleanout	바닥 청소구	AM	
0058	FD		floor drain	바닥 배수구	AM	
0059	FDN		foundation	기초	SZ	
0060	FIN FLR	FF	finish floor	바닥마감	AZ	
0061	FL	FFL	finished floor level	바닥마감레벨	AZ	
0062	FLG		flooring	마루, 바닥	AZ	
0063	FO		finished opening	개구부 마감	SZ	
0064	FOC		face of concrete	콘크리트 표면, 마감면	SZ	
0065	FOF		face of finish	마감면	SZ	
0066	FOS		face of slab	슬래브 표면, 마감면	SZ	
0067	FOS		face of stud	스터드 면	SZ	
0068	FTG		footing	기초	SZ	
0069	FURG	FURR	furring	바탕재료	AZ	
0070	G		girder	보	SZ	
0071	GB		grab bar	손잡이	AM	
0072	GR		grab rod	손잡이	AM	
0073	GR BM	GB	grade beam	기준보(基準梁)	SZ	
0074	GRG		glass reinforced gypsum	유리보강석고	AM	
0075	GST		galvanized steel	아연도금강(亞鉛鍍金剛)	AM	
0076	GYP		gypsum	석고	AM	
0077	GYP BD	GWB	gypsum board, gypsum wallboard	석고보드	AM	
0078	H		hanger	행거	AM	
0079	H		hatch(roof)	해치(지붕)	AM	
0080	HD		hanger door	행거도어	AM	
0081	HDWD		hardwood	하드우드, 견재, 경목	AM	
0082	I		moment of inertia	관성 모멘트	SZ	
0083	ID		interior design	내장 설계	AZ	
0084	INT		interior	인테리어	AZ	
0085	JAN		janitor	수위, 관리인	AZ	
0086	KIT		kitchen	주방	AZ	
0087	KS		kitchen sink	주방싱크	AM	
0088	LAB		laboratory	실험실	AZ	
0089	LAV		lavatory	세면대, 세면장, (수세식의) 화장실	AZ	
0090	LKR		locker	라커(룸)	AZ	
0091	LL		live load	활하중(活荷重)	SZ	
0092	LR		living room	거실	AZ	
0093	LVR	L	louver	루버	AM	
0094	LWCP		lightweight composite panel	경량(輕量)합성판넬	AM	
0095	M		moment	모멘트	SZ	
0096	M/W		moving sidewalk	무빙 사이드워크	AM	
0097	MAR		marble	대리석(의)	AM	
0098	MC		moment connection	모멘트 접합(接合)	SZ	
0099	MCB		metal corner bead	금속 코너비드	AM	
0100	MEZZ		mezzanine	중이층(낮은층 발코니풍)	AZ	
0101	MO		masonry opening	구체 개구부	SZ	
0102	MUL		mullion	문설주	AM	
0103	OFF		office	사무실	AZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0104	PH		penthouse	옥탑, 옥상가옥	AZ	
0105	PL GL		plate glass	판(板)유리	AM	
0106	PLAM	P.LAM	plastic laminate	플래스틱 라미네이트	AM	
0107	PLY	PLYWD	plywood	합판	AM	
0108	PR		pipe rail	파이프 레일	AM	
0109	PRCST		precast	프리캐스트	SZ	
0110	PT		post-tensioned	포스트텐션의	SX	
0111	PTN	PARTN	partition	칸막이	AZ	
0112	PW		plastic window	플라스틱 창호	AM	
0113	QT	QRY	quarry tile	사각타일	AM	
0114	RB		rubber base	비닐 걸레받이	SX	
0116	RD		roof drain	지붕(옥상) 배수(관)	AZ	
0115	RD		load	하중	SZ	
0117	REINF		reinforce, reinforcement	보강재, 보강물	SZ	
0118	RH		roof hatch	루프 해치	AM	
0119	RM		room	실, 방	AZ	
0120	RO		rough opening	골조 개구부	SZ	
0121	RWD		redwood	적색목재, 아메리칸삼나무	AM	
0122	SA		single acting(door)	외여닫이문	AM	
0123	SD		steel door	강제문(鋼製扉)	AM	
0124	SE		structural engineer	구조 기술(자)	SZ	
0125	SF		safety factor	안전율(安全率)	SZ	
0126	SFL		structure finish level	구체마감레벨	SZ	
0127	SH		shelf	책장	AM	
0128	SH		shingles	지붕널, 슁글	AM	
0129	SH		single hung (window)	단오르내리기창	AM	
0130	SHTR	S	shutter	셔터	AM	
0131	SL		slab level	슬래브(구조체) 레벨	SZ	
0132	SS		steel shutter	철제 셔터	AM	
0133	SSD		stainless steel door	스테인리스 스틸 문, 스테인리스 철문	AM	
0134	SSS		stainless steel shutter	스테인리스 스틸 셔터	AM	
0135	SSW		stainless steel window	스테인리스 스틸 창문	AM	
0136	STF		steel tower finish	쇠흙손마감	AX	
0137	STOR	STO	storage	창고, 저장고	AM	
0138	STR		stringers	세로보	SZ	
0139	STRUCT	STR	structural	구조, 구조의	SZ	
0140	SUBSTR		substructure	하부구조, 하부기초	SZ	
0141	SUPSTR		superstructure	상부구조	SZ	
0142	SW		steel window	철재 창문	AM	
0143	T	TRD	tread	계단의 디딤판	AZ	
0144	TC		terra cotta	테라코타	AM	
0145	TER		terrazzo	테라죠	AM	
0146	TOC		top of concrete	콘크리트 상단의	SZ	
0147	TOC		top of curb	(보도의) 연석 상단의	SZ	
0148	TOG		top of girder	보, 상단의	SZ	
0149	TOIL		toilet	화장실	AZ	
0150	TOS		top of slab	슬래브 상단의	SZ	
0151	TOS		top of steel	강재 상단의	SZ	
0152	TOW		top of wall	벽체 상단의	SZ	
0153	TR	T	truss	트러스	SZ	
0154	VEST		vestible, vestibule	현관/전실	AZ	
0155	VT		vinyl composition tile	비닐합성타일	AM	
0156	VT		vinyl tile	비닐타일	AM	
0157	VTR		vent throungh roof	지붕관통배출구	AZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0158	W/		wall	벽	SZ	
0159	WC		wall covering	도벽(塗壁)	AZ	
0160	WCO		wall cleanout	벽청소구	AZ	
0161	WD		wood door	목재(문)	AM	
0162	WD LOUV		wood louvers	목재 루버	AM	
0163	WDW	W	window	창문	AM	
0164	WF		wall footing	줄기초	SZ	
0165	WG	WGL	wired glass	망입유리	AM	
0166	WG		wood grill	목재그릴	AM	
0167	WL		wind load	풍압력	SZ	
0168	WW		wood window	목재(창)	AM	

4. 기계설비분야 도면약어 목록

기계설비분야도면약어

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0001	AA		acoustical(sound) attenuator	소음 감쇠기	MM	
0002	AAV		automatic air vent	자동 급기관(給氣管)	MM	
0003	AC		air compressor	공기압축기(壓縮機)	MM	
0004	AC	A/C	air condition, air conditioner	에어컨	MM	
0005	AD		access door	점검구	MM	
0006	AD		air duct	공조덕트	MZ	
0007	AD		area drain	배수면적	MD	
0008	AF		air filter	공기여과기(空氣濾過器)	MM	
0009	AF		air foil	에어 포일	MM	
0010	AHU		air handling unit	공기조화기	MM	
0011	AI		analog input	아날로그 입력	MD	
0012	AL		alarm	경보	MZ	
0013	AL/ST		alarm/status	경보/상태	MZ	
0014	ANSI		american national standards institue	미국규격협회	MZ	
0015	AO		analog out	아날로그 출력	MD	
0016	APD		air pressure drop	공기압력강하	MZ	
0017	AS		air duct shaft	통기관 샤프트	MM	
0018	AS		air separator	공기 분리기	MM	
0019	ASHRAE		american society of heating, refrigerating and air-conditioning	미국냉난방공조학회	MZ	
0020	ASTM		american society for testing and materials	미국재료시험협회	MZ	
0021	AUTO		automatic	자동	MZ	
0022	B	BLR	boiler	보일러	MM	
0023	B.C.P		boiler control panel	보일러 제어 패널	MM	
0024	BD		balancing damper	밸런싱 댐퍼	MM	
0025	BD		butterfly damper	버터플라이 댐퍼	MM	
0026	BDD		back draft damper	역풍방지기(역지 댐퍼, 역류 방지 댐퍼)	MM	
0027	BFP		backflow preventer	역류방지기	MM	
0028	BFV		butterfly valve	버터플라이밸브	MM	
0029	BFW		boiler feed water	보일러 급수	MZ	
0030	BHP		brake horse power	제동 마력	MU	
0031	BLR		boiler	보일러	MM	
0032	BOD		bottom of duct	덕트 바닥	MZ	
0033	BOS		bunker-c oil supply	방카C유 공급관	MM	
0034	BTUH		british thermal unit per hour	영국열량단위	MU	
0035	BZ		buzzer	부저	MM	
0036	C		city water(for gravity)	자연급수관	MM	
0037	C.C.P		chiller control pannel	냉동기 조작반	MM	
0038	C/C		cooling coil	냉각관(冷却管)	MM	
0039	C/T		cooling tower	냉각탑	MM	
0040	CA	A	compressed air	압축공기	MZ	
0041	CAV		constant air volume	정풍량	MD	
0042	CB		carriage bolt	캐리지 볼트	MM	
0043	CC	C/C	cooling coil	냉각관(冷却管)	MZ	
0044	CD		condensate drain	응측수 배수	MZ	
0045	CEG		ceiling exhaust grille	천장 배기그릴	MM	
0046	CF		chemical feeder	케미컬 피더	MM	
0047	CH		chiller	냉각실	MM	
0048	CHKV		check valve	체크밸브(逆止弁)	MM	
0049	CHWR	CWR	chilled water return	냉각수 회송	MZ	
0050	CHWS	CWS	chilled water supply	냉각수 급수	MZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0051	CIP		cast iron pipe	주철관(鑄鐵管)	MM	
0052	CLG GRL	CG	ceiling grille	천장그릴	MM	
0053	CLR		cooler	냉각기	MM	
0054	CM		calorie meter	열량계	MM	
0055	CO		cleaning out	소제구	MM	
0056	CO		co detector	일산화탄소 검출기	MM	
0057	COND		condenser, condensing	응축(기), 복수기(復水器)	MM	
0058	COS		change-over-switch	절환 스위치	MM	
0059	COV		cut off valve	차단 밸브	MM	
0060	CP		central control panel	중앙감시반	MM	
0061	CRR		ceiling return register	천장 반송 레지스터	MM	
0062	CSD		ceiling supply register	천장 급기 레지스터	MM	
0063	CSG		casing	케이싱	MM	
0064	CSV		cooling heating control valve	냉.난방용 온도조절밸브	MM	
0065	CTR		cooling tower return	냉수탑(冷水塔) 반송수	MZ	
0066	CU		condensing unit	응축(기), 복수기(復水器)	MM	
0067	CV	CHKV	check value	체크벨브, 역지밸브(逆止弁)	MM	
0068	CV	CONV	control valve	컨트롤 밸브	MM	
0069	CW		chemical waste line	화학폐수관	MM	
0070	CW		city water (outdoor extinguish pipe)	옥외상수도 소화배관	mm	
0071	CW		cold water, cold water piping	냉수, 냉수배관	MZ	
0072	CWR		chilled water return	냉각수 반송(관)	MZ	
0073	CWR		condenser water return	응측수 반송(관)	MZ	
0074	CWS		chilled water supply	냉각수 공급(관)	MZ	
0075	CWS		condenser water supply	응측수	MZ	
0076	CWV		city watering valve	시수 정수위 조절밸브	MM	
0077	D		drain	배수관	MM	
0078	D.D.C		direct digital controller	직접 디지털 제어기	MM	
0079	D.O.S.T		disel oil service tank	디젤오일 서비스 탱크	MM	
0080	D.O.T		disel oil tank	디젤오일 탱크	MM	
0081	DEG		duct exhaust grille	배기덕트 그릴	MM	
0082	DHWR		district medium-temp. hot water return	1차측 환수관	MM	
0083	DHWS		district medium-temp. hot water supply	1차측 공급관	MM	
0084	DI		digital out	디지털 입력	MD	
0085	DIP		ductie iron pipe	덕타일 강관	MM	
0086	DISP		dispenser	분배기	MM	
0087	DO		digital out	디지털 출력	MD	
0088	DOS		diesel oil supply	경유 공급관	MM	
0089	DPCV		differential pressure control valve	차압조절밸브	MM	
0090	DRR		duct return register	반송덕트 레지스터	MM	
0091	DS		disconnect switch	단로기	MM	
0092	DS		double suction	양흡입	MD	
0093	DSD		duct supply diffuser	공급덕트 디퓨져	MM	
0094	DSR		duct supply register	공급덕트 레지스터	MM	
0095	DWR		domestic water return	가정용수 환수(관)	MZ	
0096	DX		direct expansion	직접팽창	MZ	
0097	E		expansion	팽창관	MM	
0098	E.A		exhaust air	배기공기	MZ	
0099	EAD		exhaust air damper	배기 댐퍼	MM	
0100	EAL		exhaust air louver	배기 루버	MM	
0101	EAT		entering air temperature	급기온도	MZ	
0102	EAT		exhaust air temperature	배기온도	MZ	
0103	EBH		exhaust baseboard heater	배기 복사 방열기	MM	
0104	ECC		electric cabinet convector	전기 캐비닛난방기(방열기)	MM	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0105	ECC/RDCR		eccentric reducer	편심 리듀서	MM	
0106	ECH		electric cabinet heater	전기 캐비넷히터	MM	
0107	ECW		supply water for expansion water	팽창 보급수관	MM	
0108	EDF		electric drinking fountain	전기 (분수식) 음수대	MM	
0109	EF		exhaust fan	배기팬	MM	
0110	ER		exhaust register	배기 레지스터	MM	
0111	ESEW		emergency shower / eye wash	비상샤워기/아이샤워기	MM	
0112	ESP		external static pressure	외부 정압력	MX	
0113	EUH		electric unit heater	전기유닛히터	MM	
0114	EWC		electric water cooler	전기 수냉각기	MM	
0115	EWH		electric water heater	전기온수기	MM	
0116	EXH A	EA	exhaust air	배기	MZ	
0117	EXH FN		exhaust fan	배기 팬	MM	
0118	EXT		extinguisher	소화기	FM	
0119	EXTR		extrator	추출장치	MM	
0120	F		fan	송풍기, 팬	MM	
0121	F		filter	필터	MM	
0122	F		firer department connection pipe	연결송수관	MM	
0123	F/A		flooding alram	침수경보	MZ	
0124	F/C	F/C	fan coil cover	팬코일 덮개	MM	
0125	F/I		flow indicating	흐름 계측	MZ	
0126	FA		fire alarm	화재경보(기)	MM	
0127	FC□		forward curve	Forward Curve	MZ	
0128	FCD		flow control device	유량제어장치	MM	
0129	FCU		fan coil unit	팬코일 유니트	MM	
0130	FD	F/D,FFD	fire damper	방화(防火)댐퍼	FM	
0131	FD		firer damper	방화댐퍼	MM	
0132	FD		floor drain	바닥배수구	MM	
0133	FDC		fire department connection	포소화 설비	FM	
0134	FDR	FD	fire door	방화문	FM	
0135	FE	FFC	fire extinguisher (cab)	소화기	FM	
0136	FH		fire hose	방화호스	FM	
0137	FH		fire hydrant	(옥외) 소화전	FM	
0138	FHC		fire hose cabinet	옥내소화전	FM	
0139	FLA		full load amperes	부하가 최대일 경우의 전류량	MU	
0140	FLTR	FT	filter	필터	MM	
0141	FM		factory mutual	Factory Mutual사에서 발행한 엔지니어링관련 기술자료	MZ	
0142	FM		flow meter totalizer	유량 측정기	MM	
0143	FM		flow meter(for heating)	난방유량계	MM	
0144	FMN		force main	Force Main	MZ	
0145	FMS		flow measuring station	풍량감지기	MM	
0146	FOF		fuel oil return line	연로 반송관	MZ	
0147	FOS		fuel oil supply	연료공급	MZ	
0148	FP		field panel	현장제어용 패널	MM	
0149	FRP		fiber glass reinforced plastic	유리섬유 보강 플라스틱	MM	
0150	FS		firestation	소방서, 소방대기소	FZ	
0151	FS		floor sink	바닥 싱크(하수구)	MM	
0152	FS		flow switch	배관용 액체 유동 스위치	MM	
0153	FSC		fan speed controller	팬속도제어기	MM	
0154	FSD		fire rated steel door	철제 방화문	FM	
0155	FV		face velocity	표면유속(表面流速)□	MU	
0156	FV		flow ventrl	Flow Vent기	MM	
0157	FV		flush valve	세정밸브(洗淨弁)	MM	

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0158	FV		foot valve	풋밸브	MM	
0159	FVD		fire volume damper	풍량조절 댐퍼겸 방화 댐퍼	MM	
0160	G		gas pipe	가스관	MM	
0161	GA		gage, gauage	게이지	MM	
0162	GLV	GOV	globe valve	글로브 밸브	MM	
0163	GRL	G, GR	grille	그릴	MM	
0164	GT		grease trap	그리스트랩	MZ	
0165	GTV	GV	gate valve	제수밸브(制水瓣)□	MM	
0166	GV		gasoline vent	가솔린밴트	MM	
0167	GV		gravity vent	자연환기	MZ	
0168	H		indoor fire hydrant pipe	옥내소화전관	MM	
0169	H&SP		indoor fire hydrant and sprinkler pipe	옥내소화전 및 스프링클러 겸용관	MM	
0170	H.O.S.T		heating oil service tank	보일러 등유 서비스 탱크	MM	
0171	H.O.T		heating oil tank	보일러 등유 탱크	MM	
0172	H/A		high alram	고수위 경보	MZ	
0173	H/I		humidity indicating	습도 계측	MZ	
0174	H/L		high/low alram	고/저수위 경보	MZ	
0175	HAND		hand	수동	MZ	
0176	HB		hose bibb	호스빕	MM	
0177	HC		heating coil	가열코일, 히팅코일	MZ	
0178	HC	HSC	hose (storage) cabinet	호스함	MM	
0179	HD		hand dryer	손 건조기	MM	
0180	HDN		hopper drain	호퍼 배수	MU	
0181	HE		heat exchanger	열교환기	MM	
0182	HEX	HX	heat exchanger	열교환기	MM	
0183	HI		high	높은	MZ	
0184	HO		humidity sensor for outdoor	외기용 습도 검출기	MM	
0185	HOS		heating oil supply	보일러 등유 공급관	MM	
0186	HP		heat pump	온수펌프	MM	
0187	HP		horse power	마력	MM	
0188	HPS		high pressure steam	고압 스팀	MZ	
0189	HS		humidity sensor	습도 감지기	MM	
0190	HSC		hose storage cabinet	호스 저장 캐비닛	MM	
0191	HU		heating unit	난방유닛, 히팅유닛	MM	
0192	HUC		humidity controller	습도조절기	MM	
0193	HV		hose valve	호스 밸브	MM	
0194	HV		humidity control valve	가습 조절밸브	MM	
0195	HV UNIT		heating and ventilating unit	환기 조화기: 공조기와 비슷하나 난방만 있음	MM	
0196	HVA		hose valve, angle clobe	호스 밸브(Angle Clobe)	MM	
0197	HVAC		heating, ventilating, and air conditioning	나방, 환기 및 공기조화	MZ	
0198	HVS		hose volve, straightway gate type	호스 밸브(Straightway Gate Type)	MM	
0199	HW		hot water meter	급탕 계량기	MM	
0200	HWG		hot water generator	급탕(온수)가열탱크	MM	
0201	HWR		hot water return	온수 회송	MZ	
0202	HWR		hot water return for heating	난방환수관	MM	
0203	HWS		hot water supply	급탕(給湯)	MZ	
0204	HWS		hot water supply for heating	난방공급관	MM	
0205	HWT		high water storage tank	고가수조	MM	
0206	HX		heat exchanger	열교환기	MM	
0207	HYD		hydrant	급수전, 소화전	MM	
0208	INSUL		insulation	절연	MZ	
0209	INT		interlock	인터록	MM	
0210	IPS		international pipe standard	국제 관 규격	MX	
0211	IPS		iron pipe size	강관 규격	MZ	

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0212	ISOM		isometric	등각 투영(도)	MZ	
0213	IU		induction unit	유인 유닛	MM	
0214	L		pilot lamp	파이롯 램프	MM	
0215	L.W.T		low water storage tank	지하 저수조	MM	
0216	L/A		low alram	저수위 경보	MZ	
0217	L/I		level indicating	수위 계측	MZ	
0218	LAT		leaving air temperature	잔류 공기 온도	MU	
0219	LC		level controller	액면 조절계	MM	
0220	LH		latent heat	잠열	MZ	
0221	LIA		level indicating, alarm	액면지시, 알람	MZ	
0222	LIC		level indicating controller	액면지시조절계	MM	
0223	LIS		level indicating sensor	액면 지시용 감지기	MM	
0224	LRA		locked rotor amps	초기기동전류	MZ	
0225	LS		level sensor	액면 센서	MM	
0226	LT		lamp test switch	램프 시험용 스위치		
0227	MACH		machine	기계, 기계장치	MZ	
0228	MAV		manual air vent	수동 급기(관)	MZ	
0229	MC		magnetic contactor	자기 접촉기	MM	
0230	MCA		minimum circuit amps	최소회로전류량	MU	
0231	MCC		motor control panel	모터 제어반	MM	
0232	MD		manual damper	수동 댐퍼	MM	
0233	MD		motor operated damper	전동제어 댐퍼	MM	
0234	MD		motorized damper	자동댐퍼	MM	
0235	MECH		mechanical	기계설비	MZ	
0236	MG'S		magnet switch	전자 접촉기	MM	
0237	M-INT		motor interlock	모터 인터록	MM	
0238	MOD	MD	motor operated damper	모터제어 댐퍼	MM	
0239	MOV	MV	motor operated valve	전동밸브	MM	
0240	MS		machine screw	작은(정밀) 나사	MM	
0241	MS		mop sink	걸레싱크	MM	
0242	MS		motor starter	전동기 시동기, 모터 시동기	MM	
0243	MTWR		medium-temp, hot water return	중온수 환수관	MM	
0244	MTWS		medium-temp, hot water supply	중온수 공급관	MM	
0245	N.C		nomal close	평상시 폐위치	Mz	
0246	ND	DN	nominal diameter	공칭경	MD	
0247	NFB		no fuse breaker	노퓨즈차단기	MM	
0248	NFPA		national fire protection association	국제방화규격협회	FZ	
0249	NO		nomal open	평상시 개위치	MZ	
0250	NP	PN	norminal pressure	공칭압력	MD	
0251	NPSH		net positive suction head	총흡입양정, 흡입부 절대 압력	MD	
0252	OA		out-air	외기 공기	mz	
0253	OAC		outside air chamber	외기(外氣) 챔버	MM	
0254	OAD		outside air damper	외기(外氣) 댐퍼	MM	
0255	OAL		outside air louver	외기(外氣) 루버	MM	
0256	OTH		outdoor type temperature and humidity detector	외기용 돈도, 습도 검출기	MM	
0257	P		pump	펌프	MM	
0258	PA		pipe anchor	파이프 앙카	MM	
0259	PA		power amplifier	파워 앰프	MM	
0260	PA		public address	(장내, 기내의) 방송장치	MM	
0261	PABX		private automatic branch exchanger	교환기	MM	
0262	PAC		package air conditioner	패키지형 에어컨	MM	
0263	PB		pull box	풀박스	MM	
0264	PC		differential pressure controller	차압 조절기	MM	
0265	PD		pipe duct	파이프 덕트	MM	

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0266	PD		pumped drain	펌프 배수	MZ	
0267	PDISCH	PD	pump discharge	펌프토출량	MZ	
0268	PDM		planter drain	조경배수	MZ	
0269	PE		polyethylene	폴리에틸렌	MX	
0270	PG		pressure gage	압력계	MM	
0271	PI		pressure indicating	압력계측	MZ	
0272	PI		pressure indicator	압력계	MM	
0273	PIV		post indicator valve	지상용제수밸브, 포스트 인디케이트 밸브	MM	
0274	PLBG		plumbing	배관공사, 위생공사	MZ	
0275	PLC		program logic controller	프로그램 조절계	MM	
0276	PMPSCT		pump suction	펌프의 흡입(력)	MZ	
0277	PR		pumped return	펌프 반송	MZ	
0278	PRD		piston release damper	소화가스방출시 가스압에 의한 댐퍼	MM	
0279	PRV		pressure reducing valve	감압밸브	MM	
0280	PRV		pressure regulator valve	압력조절벨브	MM	
0281	PS		pipe shaft (space)	설비배관(공간)	MM	
0282	PS		pipe space	파이프 간격(공간)	MZ	
0283	PS		pipe support	파이프 서포트	MM	
0284	PS		pipe support	파이프 지지(대)	MZ	
0285	PS		position switch	Position Switch	MM	
0286	PS		pressure detector	압력 검출기	MM	
0287	PVC		poly vinyl chloride	경질 염화 비닐	MM	
0288	R		relay	릴레이	MX	
0289	R/T		ton of refrigeration	냉동톤	MU	
0290	RA		return air	반송 에어, 환기공기	MZ	
0291	RA GR		return air grille	반송 에어그릴	MM	
0292	RAD		radiator	라디에이터, 난방기	MM	
0293	RAD		return air damper	반송 에어댐퍼	MM	
0294	RAD		return air duct	반송 에어덕트	MZ	
0295	RAL		return air louver	반송 에어루버	MM	
0296	RAT		return air tempaerature	반송에어 온도	MZ	
0297	RB		reset button switch	리셋 버튼 스위치	MM	
0298	RC		remote control	원격제어	MZ	
0299	RD		return diffuser	반송 디퓨저	MM	
0300	RDC		reducer	지름이 다른 소켓, 리듀서	MM	
0301	RECPT		receptacle	저장소, 용기	MM	
0302	REF		refrigerator	냉장고	MM	
0303	RF		return fan	반송팬,환기휀	MM	
0304	RG		refrigerant gas	냉각개스	MM	
0305	RGTR		register	기측기	MM	
0306	RH		radiant heater	복사난방	MM	
0307	RL		refrigerant liquid	냉각액	MM	
0308	RLA		running load amps	정격부하전력	MU	
0309	RLL		refrigerant liquid line	냉각액 공급관	MM	
0310	RS		refrigerant suction	냉각액 흡입	MX	
0311	RSL		refrigerant suction line	냉각액 흡입관	MX	
0312	RT		refrigerant ton	냉동기, 공조기 및 냉동관련기기의 용량	MU	
0313	RV		relief valve	릴리프 밸브	MM	
0314	RV		roof vent	지붕 배기구	MM	
0315	RV		roof ventilator	지붕 환기설비	MM	
0316	S		separator(oil and water)	유수분리기	MM	
0317	S/S		start/stop	기동/정지	MZ	
0318	S/SPB		start/stop push button	기동/정지 버튼 스위치	MM	
0319	S/W		select switch	선택 스위치	MM	

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0320	SA		supply air	급기	MZ	
0321	SAN	S	sanitary	급.배수, 위생(설비),오수관	MZ	
0322	SAT		sound attenuator	소음 감쇠기, 소음 감소기	MM	
0323	SC		simese connection	Simese Connection	MZ	
0324	SCAC		self contrained air conditioner	자가 에어컨	MM	
0325	SCHP		self contained heat pump	자가 열펌프	MM	
0326	SD		smoke damper	재연 댐퍼	MM	
0327	SD		smoke detector	매연(연기)검지기	MM	
0328	SD		split damper	분기 댐퍼	MM	
0329	SD		supply diffuser	급기 디퓨져	MM	
0330	SD		supply duct	급기 덕트	MM	
0331	SDP		splitter damper	스프리트 댐퍼	MM	
0332	SF		supply fan	급기팬	MM	
0333	SG		steam gage	스팀 게이지	MM	
0334	SG		steel grill	철재 그릴	MM	
0335	SH		sensible heat	현열	MZ	
0336	SHR		shower	샤워	MZ	
0337	SHR HD	SH	shower head	샤워헤드	MM	
0338	SMP	SP	sump pump	섬프펌프	MM	
0339	SP		static pressure	정압	MD	
0340	SPWG		static pressure water gauge	정적 수압계	MM	
0341	SR		steam return	스팀 회송	MZ	
0342	SS	SK, SSK	service sink	서비스 싱크	MM	
0343	SS		single suction	편흡입	MZ	
0344	SS		steam supply	스팀 공급	MZ	
0345	SSG		stainless steel grill	스테인리스 스틸 그릴	MM	
0346	SSP		stainless steel pipe	스테인리스 스틸 파이프	MM	
0347	ST		smoke tower	배기구, 스모크타워	MZ	
0348	ST		status	상태	MZ	
0349	SUS		stanless steel	스테인레스 스틸	MM	
0350	SV		solenoid valve	전자밸브	MM	
0351	T		tank	탱크	MM	
0352	T&P		temperature & pressure relief valve	온도 및 압력 릴리프 밸브	MM	
0353	T/C		temperature check sensor	온도체크용 감지기	MM	
0354	TA		transfer air	트랜스퍼 에어	MZ	
0355	TB		through bolt	관통볼트	MM	
0356	TC		temperation controller	온도조절기	MM	
0357	TE		temperature element	온도 감지기	MM	
0358	TG		temperature gauge	온도계	MM	
0359	TG		transfer grille	트랜스퍼 그릴	MM	
0360	THO		outdoor temperature/humidity sensor	외기용 습도 감지기	MM	
0361	THR		total heat rejection	총 손실 열량	MD	
0362	TI		temperature indicator	온도 지시계	MM	
0363	TO		outdoor temperature sensor	외기용 온도 감지기	MM	
0364	TP		temperation detector	온도 검출기	MM	
0365	TP		total pressure	총 압력	MD	
0366	TPD		toilet paper dispenser	화장지 디스펜서	MM	
0367	TR		transformer	감압기	MM	
0368	TSP		total static pressure	정압력 총계	MZ	
0369	TSTAT	TSTE	thermostat	온도조절장치, 서모 스탯	MM	
0370	TV		turning vane	터닝베인	MM	
0371	TW		temperature controller(water)	온도 조절기	MM	
0372	UB		utility box	다용도 박스	MM	
0373	UH		unit heater	유닛난방, 유닛히터	MM	

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0374	UL		underwriter's laboratory	미국 보험 회사 단체가 정한 규격. 누전, 화재 방지 등 안전 등에 관한 규정	MX	
0375	UPC		uniform plumbing code	통일배관규정	MZ	
0376	UR		urinal	소변기	MM	
0377	UTR		up thru roof	Up Thru Roof	MX	
0378	V		ventilation	통기구(변경)	MZ	
0379	V		ventilator	환풍기	MM	
0380	V/C		valve control	밸브 제어	MZ	
0381	VA		valve	밸브	MM	
0382	VAV		variable air volume	가변풍량	MD	
0383	VB		vacuum breaker	진공 차단기, 진공 브레이커	MM	
0384	VB		valve box	밸브 박스	MM	
0385	VD		volume damper	볼륨 댐퍼	MM	
0386	VEL		velocity	유속, 속도	MU	
0387	VENT		ventilation, ventilator	통풍(기), 송풍(기)	MZ	
0388	VFD		varable frequency drive	주파수 변조	MD	
0389	VP		velocity pressure	동압,Dynamic pressure	MD	
0390	VTR		vent thru roof	Vent Thru Roof	MX	
0391	VVVF		variable voltage variable frequency	전압 변조 및 주파수 변조	MX	
0392	W		outdoor temperature reset controller	외기보상 온도조절기	MM	
0393	WB		wet bulb	습구(濕球)	MM	
0394	WC		water closet	화장실(자가정화조)	MZ	
0395	WEG		wall exhaust grille	벽 배기 그릴	MM	
0396	WF		wide flange	광폭 플랜지	MM	
0397	WG		water gage	유량계	MM	
0398	WH		water heater	탕비기, 온수기	MM	
0399	WHA		water hammer arrestor	수격작용 방지장치	MM	
0400	WHD		water-hydrant	소화전	FM	
0401	WL		wall louver	월루버	MM	
0402	WM		water meter	수량계, 양수계	MM	
0403	WP		water pump	급수펌프	MM	
0404	WRR		wall return register	Wall Return Register	MX	
0405	WSP		wet standpipe	습식 스탠파이프	MM	
0406	WSR		wall supply register	Wall Supply Register	MX	
0407	WTG		wall transfer grille	Wall Transfer Grille	MX	
0408	WV		watering valve	정수위 조절밸브	MM	

5. 전기설비분야 도면약어 목록

전기설비분야도면약어

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0001	A		ammeter	전류계	EM	
0002	ABS		automatic block system	자동폐색장치	EM	
0003	AC		alternating current	교류	EZ	
0004	AC		armored cable	외장케이블	EM	
0005	ACB		air circuit breaker	기중 차단기	EM	
0006	ACSR		aluminium conductor steel reinforced	강심 알루미늄 연선	EM	
0007	ADD(A/D)		address	정보저장위치(주소)	EZ	
0008	AFC		automatic fare collection system	역무자동화 설비	EZ	
0009	AGT		automatic guided transit	자동유도 대중교통수단	EZ	
0010	ALS		automatic line supervision	열차자동감시장치	EM	
0011	AM		amplitude modulation	진폭변조	EZ	
0012	AMP	AMPL	amplifier	증폭기, 앰프	ZM	
0013	AMP	A	ampere	암페어	EU	
0014	ANT		antenna	안테나	EM	
0015	AS		ammeter switch	전류계 스위치	EM	
0016	ATC		automatic train control	열차자동제어장치	EM	
0017	ATM		asynchronous transfer mode	비동기 전송모드	EZ	
0018	ATO		automatic train operation	열차자동운전장치	EM	
0019	ATP		automatic train protection	열차자동방호장치	EM	
0020	ATS		automatic transfer switch	비상 절체 스위치	EM	
0021	ATS		automatic train stop	열차자동정지장치	EM	
0022	BA		bridging amplifier	분기증폭기	EM	
0023	C		conduit	도관(導管)	EM	
0024	C	℃	celsius	섭씨의, 섭씨온도	EU	
0025	C		core / conduit / clock	코어/컨덕트/시계	EM	
0026	C		condenser capacitor	콘덴서	EM	
0027	CAD		Computer Aided Design	컴퓨터 이용 설계	EZ	
0028	CAM		Computer Aided Manufacturing	컴퓨터를 이용한 생산	EZ	
0029	CATV	CTV	cable television	케이블 TV	EM	
0030	CB		circuit breaker	차단기	EM	
0031	CCTV		closed circuit television	CCTV, 폐쇄회로 텔레비전	EM	
0032	CD		candela	칸델라	EM	
0033	CH		cable head	케이블헤드	EM	
0034	CKT		circuit	회로, 회선	EZ	
0035	Cm		centimeter	센티미터	EU	
0036	COAX		coaxial, coaxial cable	동축(同軸)의, 동축케이블	EM	
0037	COS		change-over switch	전환 스위치	EM	
0038	CP		candlepower	촉광	EU	
0039	CP		control panel	제어반	EM	
0040	CPEV		polythylene insulated poyvinyl chloride sheathed pair cable for telephone	포리에칠렌절연 비닐쉬이즈 시내 쌍케블	EM	
0041	CPU		central processing unit	중앙전산처리장치	EM	
0042	CRT		cathode ray tube	음극선관	EM	
0043	CSC		centralized substation control	변전설비집중제어장치	EM	
0044	CT		current transformer	전류 변압기, 계기용 변류기	EM	
0045	CTC		centralized traffic control	열차집중제어장치	EM	
0046	CV		xlpe insulated pvc sheathed cable(660v~275kv)	케이블가교비닐연비닐쉬이즈(가교 포리에칠렌 절연 비닐절연쉬이즈)	EM	
0047	CVCF		constant voltage constant frequency	정전압 정주파수 방식	EZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0048	CVV		pvc insulated pvc sheathed control cable	케이블제어(제어용 비닐절연 비닐쉬이즈 케이블)	EM	
0049	CVVS		pvc insulated pvc sheathed control cable(s:shiedle→coper tape)	차폐용 케이블제어:동박테이프 차폐층 케블	EM	
0050	dB		decibel	데시벨	EU	
0051	DC		diamond cross	선로분기기(다이아몬드교차)	EM	
0052	DC		direct current	직류	EZ	
0053	DC		down conductor	인하도체	EM	
0054	DCS		distributed control system	분산 제어 시스템	EZ	
0055	DDC		direct digital control	직접 디지털 제어	EX	
0056	DS		disconnecting switch	단로기	EM	
0057	DSS		double slip switch	선로분기기(더블)	EM	
0058	E		earth (wire)	접지(선)	EM	
0059	EA		each	개, 개수, 개소	EZ	
0060	ECC		electric cabinet convector	전기 캐비닛 컨벡터	EM	
0061	EI		electronic interlocking	전자연동장치	EM	
0062	EL	E/L, ELEV	elevator	엘리베이터, 승강기	EM	
0063	ELA		earth leakage detector	누전 검지기	EM	
0064	ELEC		electric or electrical	전기, 전기의	EZ	
0065	EMC		electro magenetic compatibility	전자기파 적합성	EZ	
0066	EMI		electro magenetic interferecne	전자기파 간섭	EZ	
0067	EP		electrical panelboard	배전반	EM	
0068	EPS		electric pipe shaft	전기설비 덕트	EZ	
0069	EPS		electric pipe space	전기배관공간	EZ	
0070	ES		electrostatic	정(靜)전기의	EZ	
0071	EV		pe insulated pvc sheathed cable (600v)	케이블포리에칠렌 절연전력(포리에칠렌 절연 비닐절연쉬이즈)	EM	
0072	F		fuse	퓨즈	EM	
0073	FA		fire alarm	화재경보(기)	EM	
0074	FL	FLR	floor	바닥/층	EZ	
0075	FL		fluorescent lamp	형광등	EM	
0076	FR		frequency relay	주파수 계전기	EM	
0077	FRP		fiber grass reinforced plastic	유리섬유합성수지	EZ	
0078	FSK		frequency shift keying	주파수 천이방식	EZ	
0079	GCB		gas circuit breaker	가스 차단기	EM	
0080	GEN		generator	발전기	EM	
0081	GL		ground level(floor)	지반표고, 지반고	EZ	
0082	GR		ground resistor	접지저항기	EM	
0083	GV		pvc insulated grounding wire	접지용 비닐절연 전선	EM	
0084	HA		hanger	행거	EM	
0085	HC		highway cross	입체(고가)교차건널목(철도건널목)	EZ	
0086	HH		hand hole	핸드홀	EM	
0087	HID		high intensity discharge	HID헤드램프	EM	
0088	HIV		heat-resistant in -door pvc insulated wire	600V 2종 내열성 비닐절연 전선	EM	
0089	HP		horsepower	마력	EZ	
0090	HZ	Hz	hertz	헤르츠,진동수의 단위	EU	
0091	IDF		intermediate distribution frame	중간배선반	EM	
0092	IL		incandescent lamp	백열등	EM	
0093	IPS		impulses per second	초당 임펄스	EU	
0094	ITr		indication transformer	표시반 전원용 변압기	EM	
0095	IV		in-door pvc insulated wire	옥내용 비닐절연 전선	EM	
0096	KFX		korea foreign exchange	한국정부 보유외환 자금	EZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0097	KIN		600v grade in-door pvc insulated wire	전기기배선용 비닐절연 전선(가요성 우수, 소선 0.18~0.45mm)	EM	
0098	KROIS		korean railroad operating information system	철도운영정보전산망	EZ	
0099	KS		korean standards	한국공업규격	EZ	
0100	KVA	kva	kilovolt ampere	킬로볼트 암페어, 피상전력 단위	EU	
0101	KW	㎾	kilowatt	킬로와트,유효전력 단위	EU	
0102	KWH	㎾h	kilowatt hour	시간당 킬로와트, 전력량 단위	EU	
0103	LA		lightning arrester	피뢰기	EM	
0104	LAN		Local Area Network	근거리 통신망	EZ	
0105	LBS		load breaker switch	부하 개폐기	EM	
0106	LC		level cross	평면교차건널목(철도건널목)	EZ	
0107	LCD		액정표시기	액정표시기	EM	
0108	LCP		local control panel	현장 제어판/역 조작 표시반	EM	
0109	LCX		leakage coexial sheath cable	동축케이블	EM	
0110	LED		Light Emitting Diode	발광 다이오드	EM	
0111	LIM		liner induction moter	선형유도전동기(자기부상열차용)	EM	
0112	LRT		light rail transit	경량전철	EZ	
0113	LSM		liner synchronous moter	선형동기전동기(자기부상열차용)	EM	
0114	LT FLUOR			형광(螢光)불빛	EZ	
0115	LTr		level crossing transformer	건널목 전원용 변압기	EM	
0116	M		messener wire	조가선	EM	
0117	MCB		main circuit breaker	주차단기	EM	
0118	MCB		miniature circuit breaker	소형 차단기	EM	
0119	MCC		motor control center	모터제어센터	EZ	
0120	MCCB		metal clad circuit breaker	배선용 차단기	EM	
0121	MCCB		moulded - case circuit breaker	배선용 누전차단기	EM	
0122	MCP		motor control panel	모터제어반	EM	
0123	MDF		main distribution frame	주배전반	EM	
0124	MHL		metal halide lamp	메탈 할라이드 등, 할로겐등	EM	
0125	MI		mechanical interlocking	기계연동장치	EM	
0126	MIS		management information system	경영정보시스템	EZ	
0127	MOF		metering out fit	계기용 변압, 변류기	EM	
0128	MPPP		multi purpose public project	다목적 공공사업	EZ	
0129	MRC		mobile radio communication	이동통신	EZ	
0130	MRT		mass rapid transit	도시철도	EZ	
0131	MTD		mounted	Mounted	EZ	
0132	MVL		mercury vapor lamp	수은등	EM	
0133	MW		megawatt	메가와트	EU	
0134	NFB		no fuse breaker	배선용 차단기	EM	
0135	NO		umber	umber	EZ	
0136	OCB		oil circuit breaker	유입 차단기	EM	
0137	OCGR		over current ground relay	과전류 접지 계전기	EM	
0138	OCR		over current relay	과전류 계전기	EM	
0139	OF	O/F	optical fiber	광섬유(光纖維)	EM	
0140	OFD		optical fiberdistribution	광섬유 배전	EZ	
0141	Ohm		ohm	옴(전기저항 단위)	EU	
0142	OIS		operating information system	운용정보시스템	EZ	
0143	OLR		over load relay	과부하 계전기	EM	
0144	OVR		over voltage relay	과전압 계전기	EM	
0145	OW		out-door pvc insulated wire	옥외용 비닐절연 전선	EM	
0146	P		pole / pair / power	폴/페어/파워	EM	
0147	P		pump	펌프	EM	
0148	PABX		private automatic branch exchanger	자동식 구내교환	EZ	
0149	PB		pull box / push button	풀박스/푸쉬 버튼	EM	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0150	PB		pushbutton	누름단추	EM	
0151	PCM		pulse code(or count)modulation	펄스 Code 변조방식	EZ	
0152	PE		photoelectric	광전자의	EZ	
0153	PEF		polyethylene foramed	시외케이블 포말포리에칠렌 수지 차폐방법 (스탈페이스, 웰만텔)	EM	
0154	PERT		program evaluation and review technique	계획, 조직의 관리방식	EZ	
0155	PF		power fuse	전력 퓨즈	EM	
0156	PLC		programmable logic controller	프로그램이 가능한 전자 제어기	EM	
0157	PSI		power supply instrument	전원공급장치	EM	
0158	PT		potential transformer	계기용 변압(류)기	EM	
0159	PTr		point transformer	전철기 전원용 변압기	EM	
0160	PWM		pulse width modulation	펄스폭 변조방식	EZ	
0161	Q		quality	주파수 선택도, 품질계수	EU	
0162	R.C		railroad cross	철도건널목	EZ	
0163	R.F		radio frequency	무선(방송)주파수	EZ	
0164	RAM		random access memory	RAM : 보조기억장치	EM	
0165	RCS		(electro) remote control system	(전자식) 신호원격제어장치	EM	
0166	RF		radio frequency	가청주파수(可聽周波數)	EZ	
0167	RF		resonance frequence f=1/2π √lc	공진주파수	EZ	
0168	RI		relay interlocking	전기연동장치(계전연동장치)	EM	
0169	ROM		read only memory	ROM : 고정기억장치	EM	
0170	(S)RR		(signal) relay room	(신호) 계전기실	EZ	
0171	RT		railway telephone	열차전화	EM	
0172	RTr		repeater transformer	중계기 전원용 변압기	EM	
0173	S		scale	축척	EZ	
0174	SCADA		supervisory control and data acquisition system	집중원방감시장치	EM	
0175	SCO		scissors cross over	선로분기기(십자교차)	EM	
0176	SD		smoke detector	매연(연기)검지기	EM	
0177	SEC		second	초	EZ	
0178	SECT		section	단면	EZ	
0179	SIS		Strategec Information System	기획 및 전략정보 시스템	EZ	
0180	SL		spot light	스포트라이트	EM	
0181	SP		sectioning post	급전 구분소	EZ	
0182	SPKR	SPK	speaker	스피커	EM	
0183	SS	s/s	substation	변전소, 변압소	EZ	
0184	SSP		sub secioning post	보조 구분소	EZ	
0185	SSS		single slip switch	선로분기기(싱글)	EM	
0186	STr		signal transformer	신호기 전원용 변압기	EM	
0187	SVV		pvc insulated pvc sheathed signal cable	케이블신호(신호용 비닐절연 비닐 쉬이즈케이블)	EM	
0188	SW		switch	스위치	EM	
0189	T		trolley wire	전차선	EM	
0190	TB		talk back	고성전화장치	EM	
0191	TB		terminal board	터미널 보드	EM	
0192	TB		terminal box	터미널 박스	EM	
0193	TEL		telephone	전화	EM	
0194	TLDS		trackcircuit level detection system	궤도회로기능감시장치	EM	
0195	TP		telephone pole	전화주	EM	
0196	TR		transformer	변압기	EM	
0197	TTC		total traffic control system	종합열차운행체제	EZ	
0198	TTr		track circuit transformer	궤도회로 전원용 변압기	EM	
0199	TV		television	TV 수상기	EM	
0200	TWC		train to wayside comunication	차량과 현장설비간의 정보전송	EZ	

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0201	UHF		ultra high frequency	극초단파	EZ	
0202	UPS		uninterruptable power source(supply)	무정전 전원공급장치	EM	
0203	V		volt	볼트	EU	
0204	V		voltmeter	전압계	EM	
0205	VA		volt ampere	볼트 암페어	EU	
0206	VAN		value added network	부가가치통신망	EX	
0207	VCB		vacuum circuit breaker	진공 차단기	EM	
0208	VCT		pvc cabtyre cable	비닐 캡타이어 케이블	EM	
0209	VD		voltage detector	검전기	EM	
0210	VD		voltage drop	전압 강하	EZ	
0211	VF		pvc insulated flexible wire	비닐 코오드선:기기배선용(가요성, 절연성)	EM	
0212	VS		voltmeter switch	전압계 스위치	EM	
0213	VVVF		variable voltage variable frequency	가변전압 가변주파수 방식	EX	
0214	W		watt	와트	EU	
0215	WAN		wide area network	광역 통신망	EX	
0216	WCE		wayside computerized equipment	차량과 현장설비간의 정보전송장치	EM	
0217	WW		wireway	전선관	EM	
0218	XFMR	TR	transformer	변압기	EM	

6. 통신설비분야 도면약어 목록

통신설비분야도면약어

번호	약어	유사약어	영문원어	한글용어	분류코드	비고
0001	AAE		automatic announcment equipment	자동안내방송장치	TM	
0002	AVR		automatic voltage requlator	자동전압조정장치	TM	
0003	B/W CRT		black&white cathode ray tube	흑백 브라운관	TM	
0004	BT		block track ciruit	폐색 궤도회로	TM	
0005	CATV	CTV	cable television	케이블 TV	TM	
0006	CCM		console control mode	탁상제어방식	TZ	
0007	CCR		central control room	사령실	TZ	
0008	CDTS		central data transmission system	중앙정보전송장치	TM	
0009	DBM		database manger	정보관리 S/W	TM	
0010	DIB		data input board	입력정보카드	TM	
0011	DOB		date output board	출력정보카드	TM	
0012	DTC		date transmission controllor	사령실간 정보전송장치	TM	
0013	DTS		data transmission system	정보전송장치	TM	
0014	G16		grs micro processor	GRS사 마이크로프로세서	TZ	
0015	HQ CCR		head quarter ccr	본청 사령실	TZ	
0016	I/O List		input output list	입출력정보표	TA	
0017	KRS		korean railway standard	한국철도규격	TX	
0018	KS		korean standard	한국산업규격	TX	
0019	LAN		local area network	근거리 통신망	TZ	
0020	LCD		liquid crystal display	액정표시기	TM	
0021	LDB		lamp driver board	표시램프제어기	TM	
0022	LDM		line dispatcher mode	판넬제어방식	TZ	
0023	LDP		line dispatcher panel	사령 조작표시반	TM	
0024	LDTS		local data transmission system	역정보전송장치	TM	
0025	LED		light emitting diode	발광 다이오드	TM	
0026	L/S		line/station monitor	역, 역간 표출 모니터	TM	
0027	MS		magnetic switch	전자석 스위치	TM	
0028	PCB		printed circuit board	전자회로판	TM	
0029	PI		platform indicator	열차행선안내표시장치	TM	
0030	PLC		power line communication	전력선 통신	TZ	
0031	PSCCR		power supply central cotrol room	급전사령실	TZ	
0032	RS 232		type of serial interface	인터페이스 종류	TZ	
0033	RTU		remote terminal unit	인터페이스 종류	TZ	
0034	SSC		station to station communication	경계역간 정보전송장치	TM	
0035	T/G		train graphic(monitor)	열차운전곡선도	TD	
0036	TC		track circuit	궤도회로	TM	
0037	TD		train describer	열차번호	TZ	
0038	TDE		train destination equipment	열차행선안내장치	TM	
0039	TDI		train destination indicator	열차행선안내표시기	TM	
0040	TNI		train number indicator	열차번호표시창	TZ	
0041	UPS		uninterruptible power supply	무정전전원공급장치	TM	
0042	VHCM		video hard copy machine	영상화면 복사기	TM	
0043	VHF		vhf	초단파	TZ	
0044	VMS		virtual memory system	가상기억장치	TM	

7. 조경분야 도면약어 목록 (해당목록 없음)

조경분야도면약어

번호	약어	유사약어	영문원어	한글용어	분류코드	비고

건설CALS/EC 전자도면 작성표준 V2.0

개 정 사 항

2012. 1

KICT 한국건설기술연구원

건설CALS/EC 전자도면 작성표준 V2.0 개정사항 (2012.1)

1. 부속서 개정사항

1) [부속서 1] 도면번호 목록 개정사항

Page	항 목	개 정 내 용
13 ~ 18	2. 토목분야	- 복수시설 수용에 따른 항만토목분야 도면분류 갱신

2) [부속서 2] 레이어 목록 개정사항

Page	항 목	개 정 내 용
11, 25~26, 28	2. 토목분야	- 2.1 측량 및 토질(CV) 레이어 6개 추가 - 2.5 우배수(CD) 레이어 2개 추가 - 2.6 상수도공(CW) 레이어 20개 추가 및 변경 - 2.7 하수도공(CN) 레이어 7개 추가 및 변경
53	5. 전기설비 분야	- 5.1 배전설비(ED) 레이어 1개 추가

3) [부속서 3] 심벌 목록 개정사항

Page	항 목	개 정 내 용
115, 132~133	5. 전기설비 분야	- 5.1 전기공통(EZ) 심벌 1개 추가 - 5.4 조명설비(EL) 심벌 11개 추가

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2006년 6월 개정발행
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본 내용을 대외적으로 게재, 인용할 때에는 반드시 사전에 허락을 받기 바라며 무단 복제는 절대 금합니다.

건기연 2012-009

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