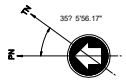
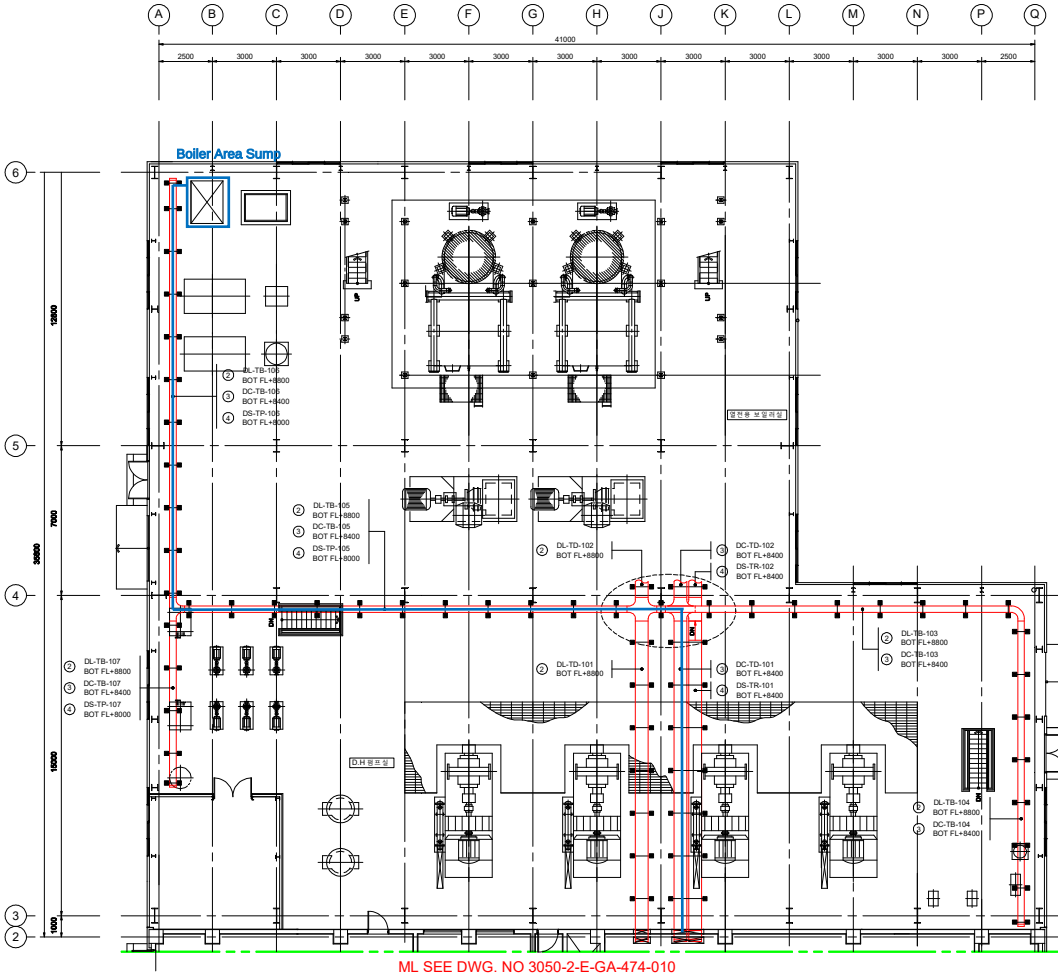
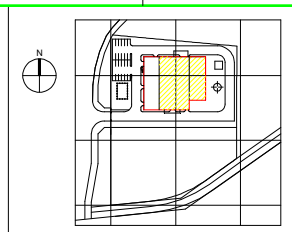
DWG. NO. 3050-2-E-GA-474-009



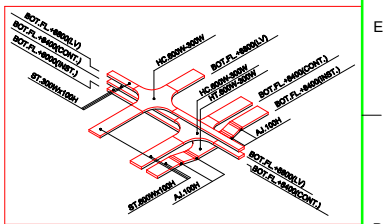


1층 평면도 (FL±0.000)

SCALE:1/100



KEY PLAN



DETAIL " A"

SCALE:NONE

NOTES

1. 열원설비동 1st FL±0.00 = EL±0.00 = GL+300

2. ABBREVIATION
   B.O.C : BOTTOM OF CONCRETE
   B.O.T : BOTTOM OF TRAY
   T.O.C : TOP OF CONCRETE
   TYP. : TYPICAL

3. FOR CABLE TRAY SYSTEM.
   ① HI VOLTAGE CABLE TRAY (22.9KV, 6.6KV POWER)
   ② LOW VOLTAGE CABLE TRAY (460V L/V, 380-220V, DC110V POWER)
   ③ CONTROL CABLE TRAY (24V, PLC INPUT DRY CONTACT)
   ④ INSTRUMENT CABLE TRAY (4~20mA, PULSE THERMOCUPLE, RTD)

REFERENCE DRAWING

1. 3050-2-E-GS-474-001 : SYMBOL, LEGEND & GENERAL NOTES FOR CABLE TRAY.
2. 3050-2-E-DD-474-005~9 : TYPICAL INSTALLATION DETAIL FOR CABLE TRAY.
3. 3050-2-E-GA-474-009 : CABLE TRAY LAYOUT FOR 열원설비동 1층 -1

REV.NO.	DATE	DESCRIPTION	DRN	DGN	CHK	CHK	APP
1	19.11.29	AS-BUILT					
0	19.06.11	ISSUED FOR CONSTRUCTION	H.S.Y	P.C.H	J.S.Y	K.T.J	H.K.S

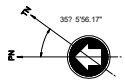
사업주: 한국지역난방공사 KOREA DISTRICT HEATING CORP. 북수원지역난방열병합발전시설건설공사 BUK SUWON TOTAL ENERGY SUPPLY SYSTEM

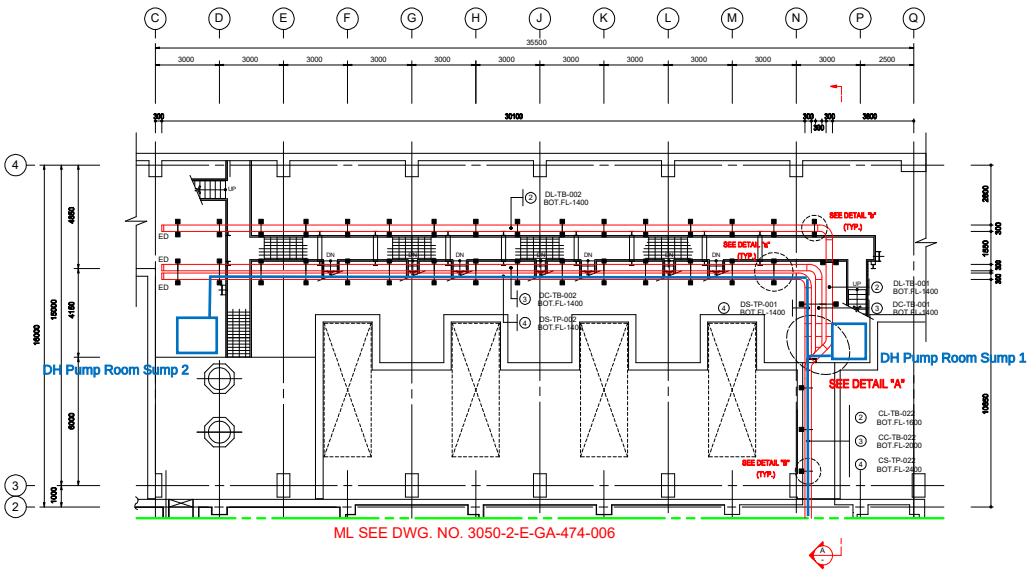
시공사: DAEWOO CORPORATION ENGINEERING & CONSTRUCTION

도면명칭 TITLE: CABLE TRAY LAYOUT FOR 열원설비동 1층 -2 (FL±0.000)

계약자 도면번호 CONT. DWG.NO.		매수 SHEET NO.	
축척 SCALE	사업소번호 PROJECT NO.	도면번호 DWG. NO.	도면종류 TYPE	수정 REV. NO.
1/100	XXX	3050-2-E-GA-474-009		1

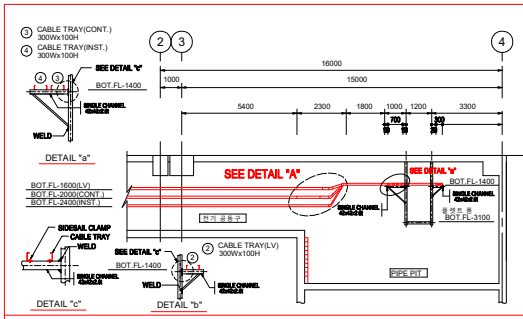
DWG. NO. 3050-2-E-GA-474-007





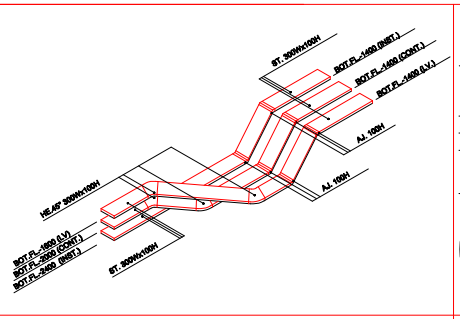
지하층 평면도 (FL-3500,FL-6000)

SCALE:1/100



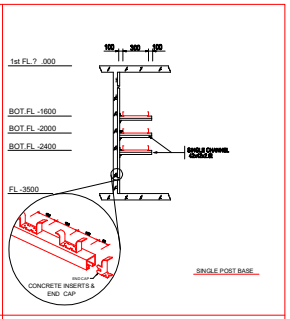
SECTION "A - A"

SCALE:1/100



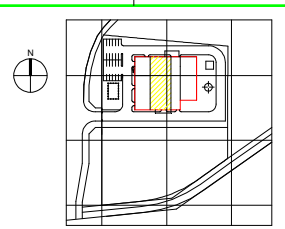
DETAIL "A"

SCALE:NONE



DETAIL "B"

SCALE:NONE



NOTES

1. 열원설비동 1st FL±0.00 = EL±0.00 = GL+300
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   B.O.C : BOTTOM OF CONCRETE
   B.O.T : BOTTOM OF TRAY
   T.O.C : TOP OF CONCRETE
   TYP. : TYPICAL
3. FOR CABLE TRAY SYSTEM.
   ① HI VOLTAGE CABLE TRAY (22.9KV, 6.6KV POWER)
   ② LOW VOLTAGE CABLE TRAY (460V L/V, 380-220V, DC110V POWER)
   ③ CONTROL CABLE TRAY (24V, PLC INPUT DRY CONTACT)
   ④ INSTRUMENT CABLE TRAY (4~20mA, PULSE THERMCOUPLE, RTD)

REFERENCE DRAWING

1. 3050-2-E-GS-474-001 : SYMBOL, LEGEND & GENERAL NOTES FOR CABLE TRAY.
2. 3050-2-E-DD-474-005~9 : TYPICAL INSTALLATION DETAIL FOR CABLE TRAY.
3. 3050-2-E-GA-474-006 : CABLE TRAY LAYOUT FOR 열원설비동 지하층-1

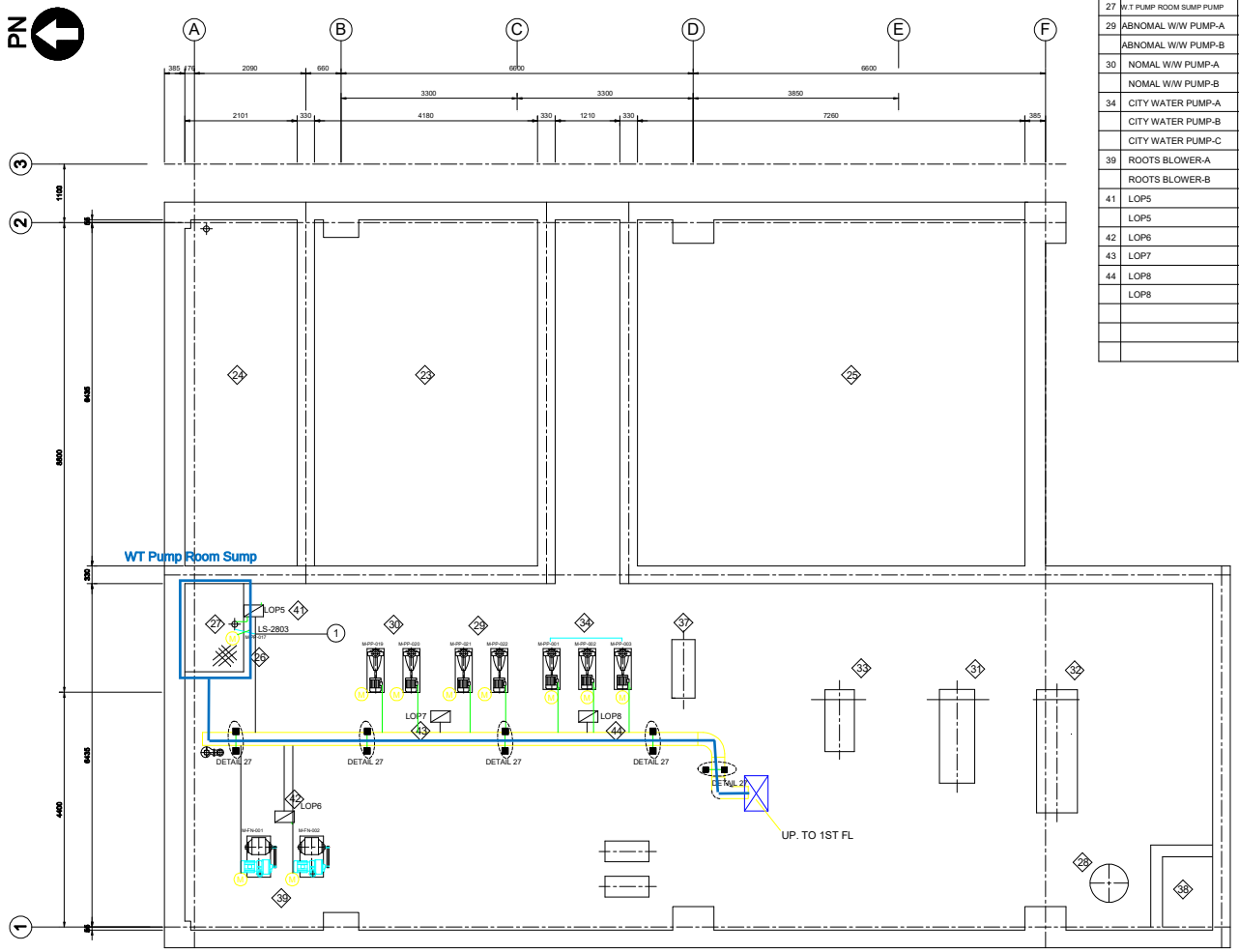
REV.NO.	DATE	DESCRIPTION	DRN	DGN	CHK	APP
3	'19.11.29	AS-BUILT				
2	'19.09.04	GENERAL REVISION	H.S.Y	P.C.H	J.S.Y	K.T.J	H.K.S
1	'19.10.23	GENERAL REVISION	H.S.Y	P.C.H	J.S.Y	K.T.J	H.K.S
0	'19.06.11	ISSUED FOR CONSTRUCTION	H.S.Y	P.C.H	J.S.Y	K.T.J	H.K.S

사업주: 한국지역난방공사 KOREA DISTRICT HEATING CORP.
복수원지역난방열병합발전시설건설공사
BUK SUWON TOTAL ENERGY SUPPLY SYSTEM

시공사: DAEWOO CORPORATION ENGINEERING & CONSTRUCTION

도면명칭 TITLE: CABLE TRAY LAYOUT FOR 열원설비동 지하층-2

계약자 도면번호 CONT. DWG.NO.		매수 SHEET NO.	
축척 SCALE	사업소번호 PROJECT NO.	도면번호 DWG. NO.	도면종류 TYPE	수정 REV. NO.
1/100	[illegible]	3050-2-E-GA-474-007		3



NO	DESCRIPTION	FEEDER NO	CABLE				
			FROM	CABLE SPEC.	CONDUIT	CABLE NO	LENTH(m)
27	W.T PUMP ROOM SUMP PUMP	611-M-PP-017	LOP5	CV 3.5sqX4C	22	-	10
29	ABNOMAL W/W PUMP-A	611-M-PP-021	MCC-2	CV 3.5sqX4C	28	2PP021	36
	ABNOMAL W/W PUMP-B	611-M-PP-022	MCC-2	CV 3.5sqX4C	28	2PP022	36
30	NOMAL W/W PUMP-A	611-M-PP-019	MCC-2	CV 3.5sqX4C	28	2PP019	37
	NOMAL W/W PUMP-B	611-M-PP-020	MCC-2	CV 3.5sqX4C	28	2PP020	37
34	CITY WATER PUMP-A	331-M-PP-001	MCC-4	CV 5.5sqX4C	36	4PP001	35
	CITY WATER PUMP-B	331-M-PP-002	MCC-4	CV 5.5sqX4C	36	4PP002	35
	CITY WATER PUMP-C	331-M-PP-003	MCC-4	CV 5.5sqX4C	36	4PP003	35
39	ROOTS BLOWER-A	611-M-FN-001	MCC-3	CV 5.5sqX4C	36	3FN001	35
	ROOTS BLOWER-B	611-M-FN-002	MCC-3	CV 5.5sqX4C	36	3FN002	35
41	LOP5	-	MCC-4	CVV 3.5sqX4C	28	4PP017	51
	LOP5	-	MCP	CVV 2sqX7C	28	L5MP01	56
42	LOP6	-	MCC-3	CVV 2sqX15C	36	L6M202	51
43	LOP7	-	MCC-2	CVV 2sqX30C	42	L7M101	51
44	LOP8	-	MCC-4	CVV 2sqX25C	42	L8M201	51
	LOP8	-	MCC-2	CVV 2sqX7C		L8M101	51

* NOTE

BOT. FL -900

CABLE TRAY 300W 100H

REV.NO.	DATE	DESCRIPTION	DRN	DGN	CHK	CHK	APP
9	09.11.20	AS BUILT					

한국지역난방공사 KOREA DISTRICT HEATING CORP.

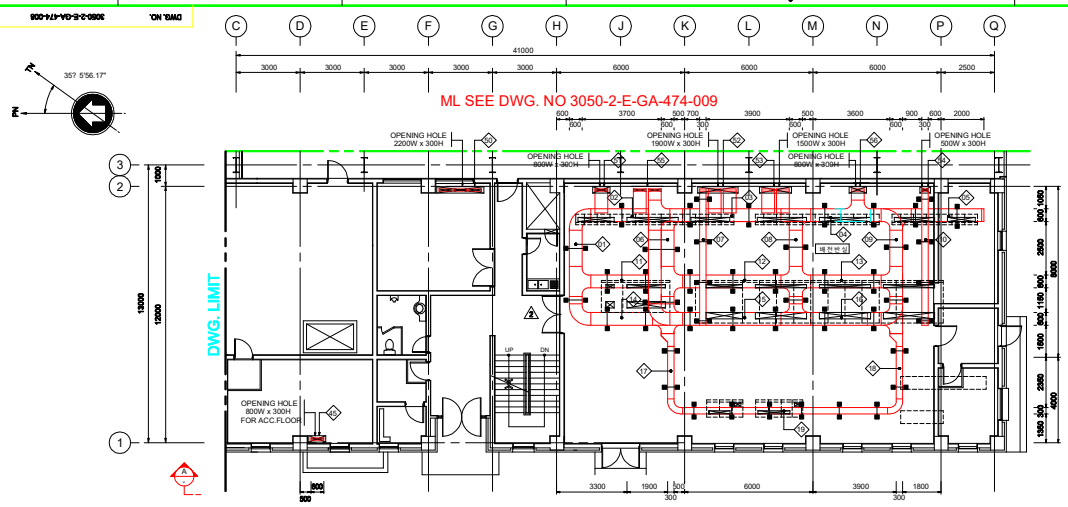
DAEWOO CORPORATION ENGINEERING & CONSTRUCTION

JA YEON ENGINEERING CO.,LTD. SEOUL KOREA

PROJECT 북수원 지역난방 열생산시설 건설공사
BUK SUWON TOTAL ENERGY SUPPLY SYSTEM

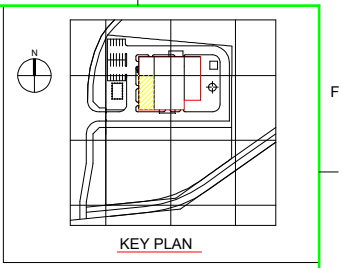
TITLE WATER TREAT.ROOM
UNDERGROUND CABLE YRAY. CABLE SCHEDULE

SCALE	DWG. NO.	SHEET NO.	REV. NO.
NONE	3050-2-EL-I-611-002	2/9	C

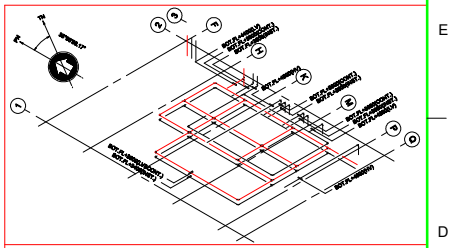


1 층 평면도 (FL.±0.000)

SCALE:1/100

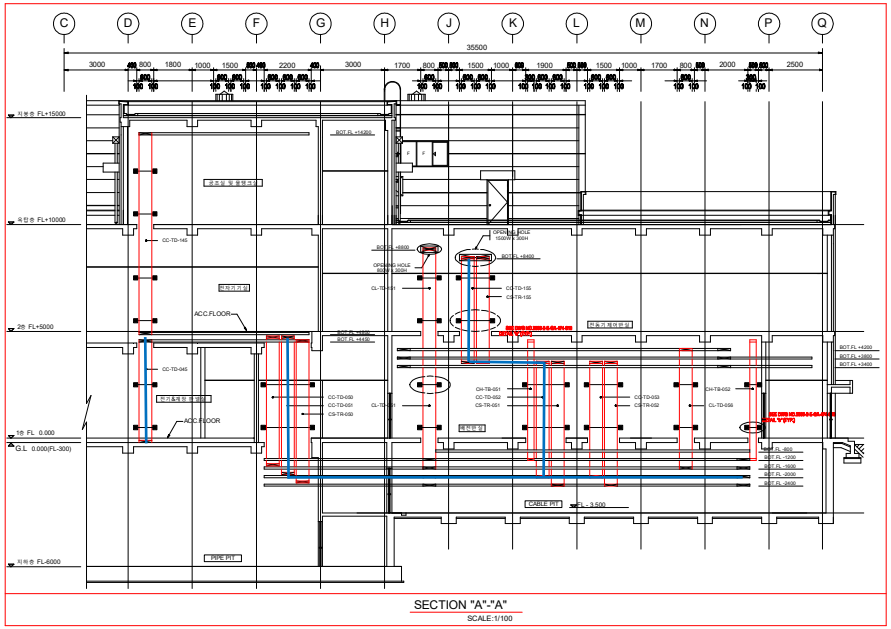


KEY PLAN



SCHEMATIC DIAGRAM

SCALE : NONE



SECTION "A"-"A"

SCALE:1/100

CT-TD-101 BOT.FL+4200 / CC-TD-101 BOT.FL+3800 / CS-TR-101 BOT FL+3400
CT-TD-102 BOT.FL+4200 / CC-TD-102 BOT.FL+3800 / CS-TR-102 BOT FL+3400
CL-TD-103 BOT.FL+4200 / CC-TD-103 BOT.FL+3800 / CS-TR-103 BOT FL+3400
CT-TD-104 BOT.FL+4200 / CC-TD-104 BOT.FL+3800 / CS-TR-104 BOT FL+3400
CT-TD-105 BOT.FL+3800 / CS-TR-105 BOT FL+3400
CL-TD-106 BOT.FL+3800 / CS-TR-106 BOT FL+3400
CH-TB-107 BOT.FL+4200
CL-TD-108 BOT.FL+3800 / CS-TR-108 BOT FL+3400
CL-TD-109 BOT.FL+4200 / CC-TD-109 BOT.FL+3800 / CS-TR-109 BOT FL+3400
CH-TB-110 BOT.FL+4200
CC-TD-111 BOT.FL+3800 / CS-TR-111 BOT FL+3400
CC-TD-112 BOT.FL+3800 / CS-TR-112 BOT FL+3400
CC-TD-113 BOT.FL+3800 / CS-TR-113 BOT FL+3400

CL-TD-114 BOT.FL+4200 / CC-TD-114 BOT.FL+3800 / CS-TR-114 BOT FL+3400
CL-TD-115 BOT.FL+4200 / CC-TD-115 BOT.FL+3800 / CS-TR-115 BOT FL+3400
CL-TD-116 BOT.FL+4200 / CC-TD-116 BOT.FL+3800 / CS-TR-116 BOT FL+3400
CL-TR-117 BOT.FL+3800 / CS-TR-117 BOT FL+3400
CL-TB-118 BOT.FL+3800 / CS-TR-118 BOT FL+3400
CL-TB-119 BOT.FL+3800 / CS-TR-119 BOT FL+3400
CC-TD-045 – DOWN / CC-TD-145 – UP
CC-TD-050 / CC-TD-051 / CS-TR-050
CL-TD-051 – DOWN / CL-TD-151 – UP
CH-TB-051 / CC-TD-052 / CS-TR-051
CC-TD-053 / CS-TR-052
CH-TB-052
CC-TD-055 / CS-TR-055
CL-TD-056

NOTES

1. 열원설비동 1st FL±0.00 = EL±0.00 = GL+300
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   B.O.T : BOTTOM OF TRAY
   T.O.C : TOP OF CONCRETE
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   ① HI VOLTAGE CABLE TRAY (22.9KV, 6.6KV POWER)
   ② LOW VOLTAGE CABLE TRAY (460V L/V, 380-220V, DC110V POWER)
   ③ CONTROL CABLE TRAY (24V, PLC INPUT DRY CONTACT)
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REFERENCE DRAWING

1. 3050-2-E-GS-474-001 : SYMBOL, LEGEND & GENERAL NOTES FOR CABLE TRAY.
2. 3050-2-E-DD-474-005~9 : TYPICAL INSTALLATION DETAIL FOR CABLE TRAY.
3. 3050-2-E-GA-474-009 : CABLE TRAY LAYOUT FOR 열원설비동 1층-1

REV.NO.	DATE	DESCRIPTION	DRN	DGN	CHK	APP
1	'19.11.29	AS-BUILT				
2	'19.04.05	GENERAL REVISION	H.S.Y	P.C.H	J.S.Y	K.T.J H.K.S
1	'19.10.23	GENERAL REVISION	H.S.Y	P.C.H	J.S.Y	K.T.J H.K.S
0	'19.06.11	ISSUED FOR CONSTRUCTION	H.S.Y	P.C.H	J.S.Y	K.T.J H.K.S

사업주: 한국지역난방공사 KOREA DISTRICT HEATING CORP. 북수원지역난방열병합사설건설공사 BUK SUWON TOTAL ENERGY SUPPLY SYSTEM

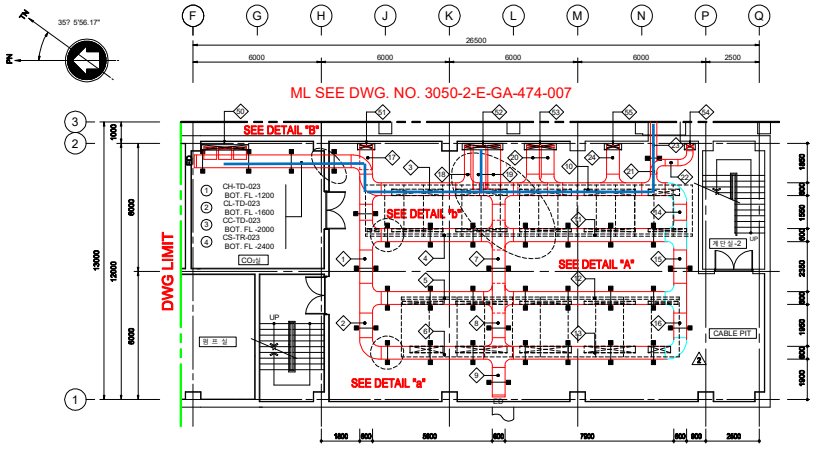
시공사: DAEWOO CORPORATION ENGINEERING & CONSTRUCTION

도면명칭 TITLE: CABLE TRAY LAYOUT FOR 열원설비동 1층-1 (FL±0.000)

계약자 도면번호 CONT. DWG.NO. / 매수 SHEET NO.

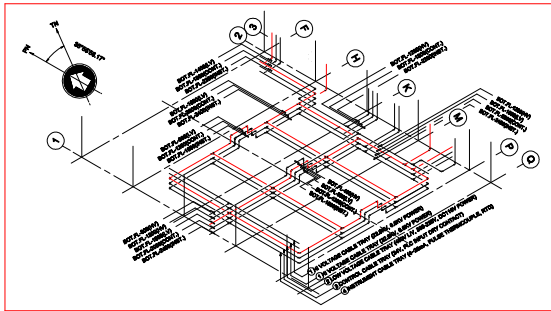
척도 SCALE	사업소번호 PROJECT NO.	도면번호 DWG. NO.	도면종류 TYPE	수정 REV. NO.
1/100	3050	3050-2-E-GA-474-008		3

DWG. NO. 3050-2-E-GA-474-008



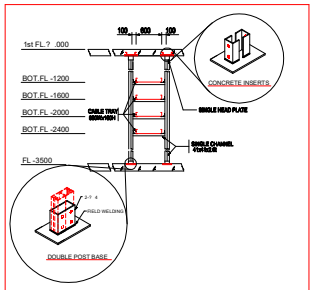
지하층 평면도 (FL-3500)

SCALE:1/100



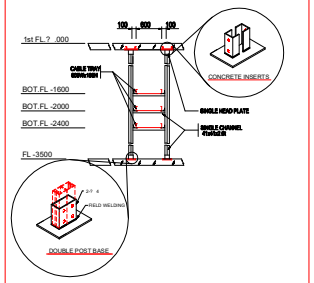
SCHEMATIC DIAGRAM

SCALE : NONE



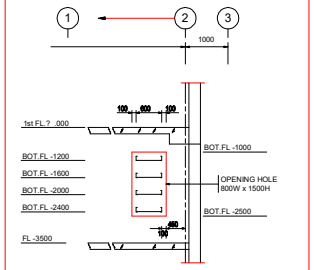
DETAIL "a"

SCALE:NONE



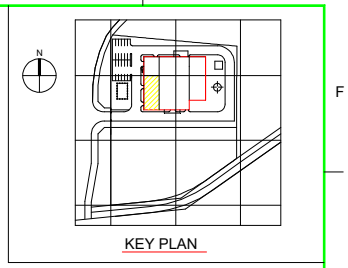
DETAIL "b"

SCALE:NONE

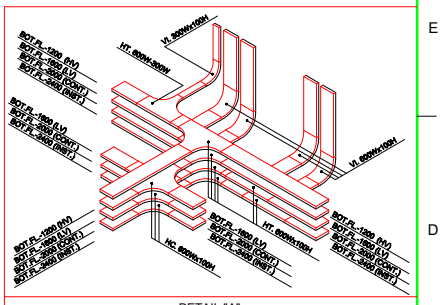


DETAIL "B"

SCALE:NONE



KEY PLAN



DETAIL "A"

NOTES

1. 열원설비동 1st FL±0.00 = EL±0.00 = GL+300
2. ABBREVIATION
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REFERENCE DRAWING

1. 3050-2-E-GS-474-001 : SYMBOL, LEGEND & GENERAL NOTES FOR CABLE TRAY.
2. 3050-2-E-DD-474-005~9 : TYPICAL INSTALLATION DETAIL FOR CABLE TRAY.
3. 3050-2-E-GA-474-007 : CABLE TRAY LAYOUT FOR 열원설비동 지하층-2

REV.NO.	DATE	DESCRIPTION	DRN	DGN	CHK	APP
3	'99.11.29	AS-BUILT				
2	'99.04.08	GENERAL REVISION	H.S.Y	P.C.H	J.S.Y	K.T.J	H.K.S
1	'99.10.23	GENERAL REVISION	H.S.Y	P.C.H	J.S.Y	K.T.J	H.K.S
0	'98.06.11	ISSUED FOR CONSTRUCTION	H.S.Y	P.C.H	J.S.Y	K.T.J	H.K.S

사업주 한국지역난방공사 KOREA DISTRICT HEATING CORP.
북수원지역난방열병합발전사업건설공사
BUK SUWON TOTAL ENERGY SUPPLY SYSTEM

시공사 DAEWOO CORPORATION ENGINEERING & CONSTRUCTION

도면명칭 TITLE: CABLE TRAY LAYOUT FOR 열원설비동 지하층-1

계약자 도면번호 CONT. DWG.NO.		매수 SHEET NO.	
축척 SCALE	사업소번호 PROJECT NO.	도면번호 DWG. NO.	도면종류 TYPE	수정 REV. NO.
1/100	3050	3050-2-E-GA-474-006		3