2026년 마포구 급경사도로 열선시스템 설치

SNOW MELTING

CES주식회사
전북 완주군 봉동읍 테크노밸리로 485
TEL : (063) 214-3087, FAX : (063) 213-3087
대표이사 : 김 준 구

LET	REVISION	DATE	DRN.BY	CKD.BY	APP.BY

ORDER

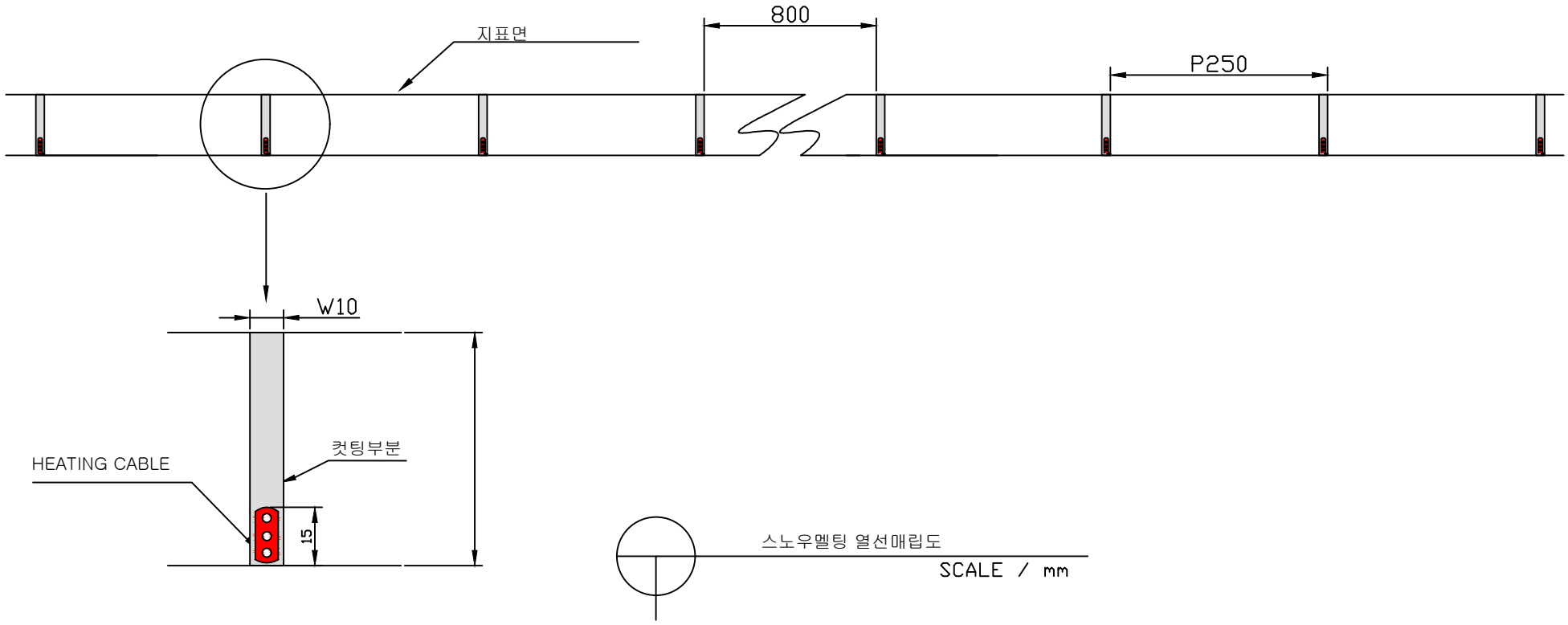
DATE 2025. 11. SCALE NONE

TITLE SNOW MELTING COVER

DRN.BY | CKD.BY | APP.BY

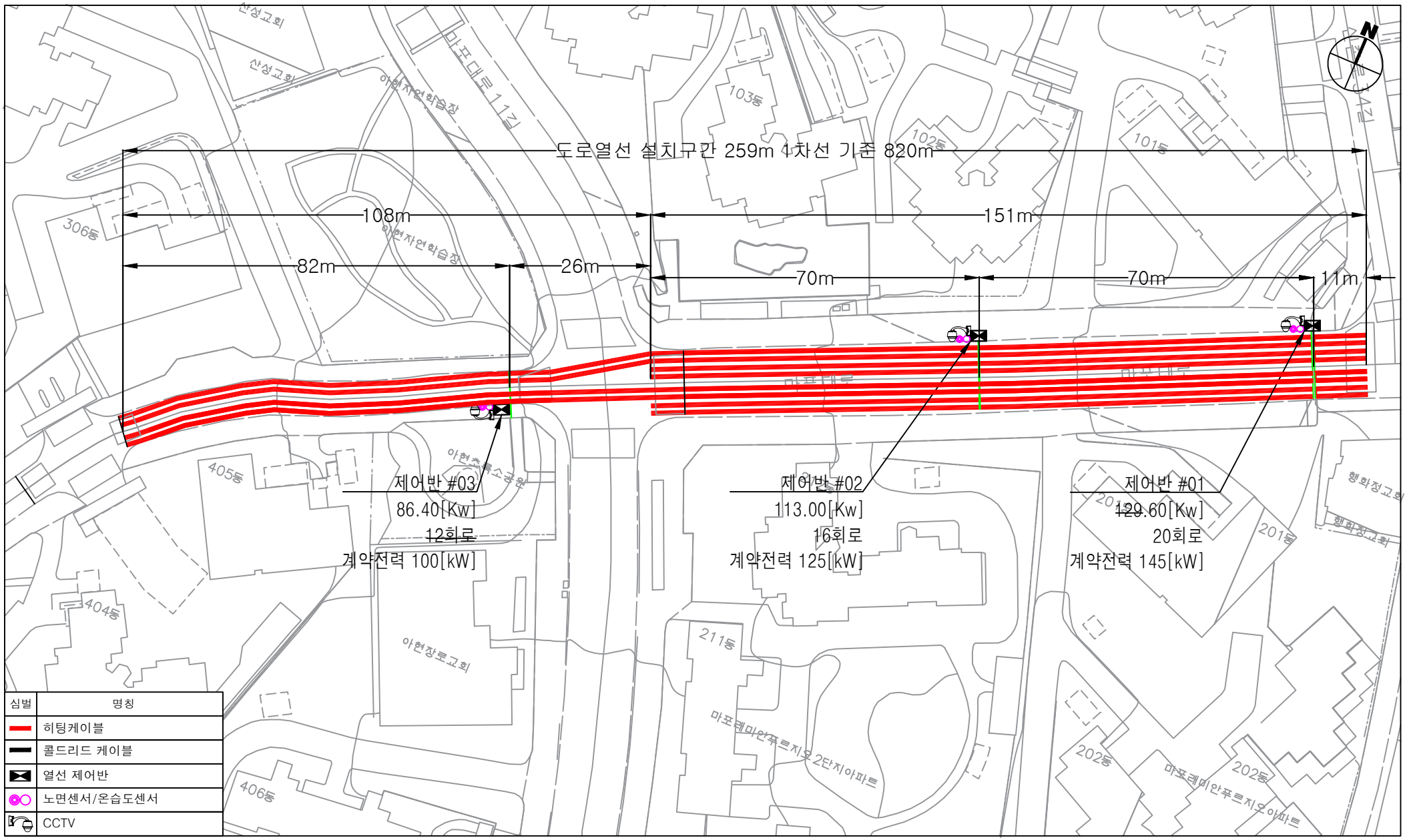
DWG. NO.	CES260820-01
FILE NO.	01
SHEET NO.	OF

도로열선 설치 단면도



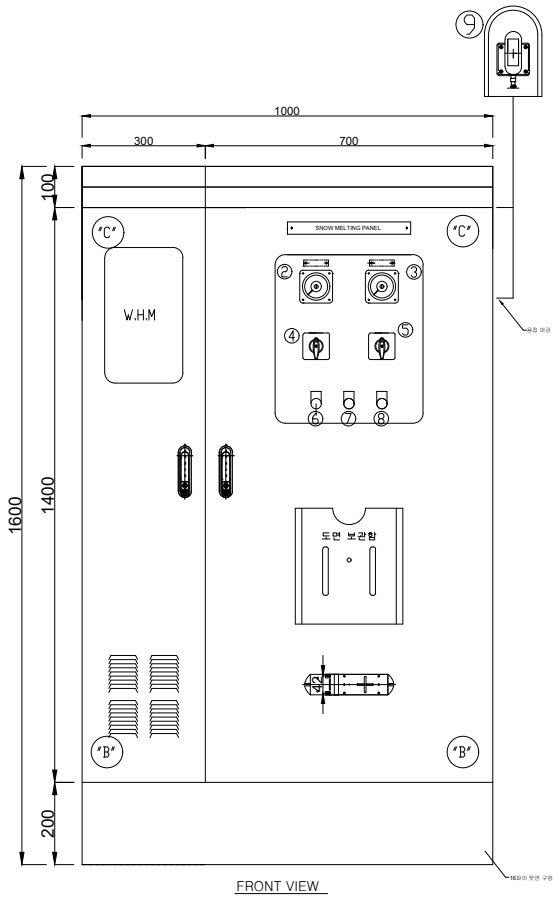
공 사 명	시 행 청	납 품 회 사	축 척	설계일자		도 면 명
마포대로195(마포래미안푸르지오 101동~306동)도로열선설치	서울시 마포구청	CES주식회사 전북 완주군 봉동읍 테크노밸리로 485 TEL : (063) 214-3087, FAX : (063) 213-3087 대표이사 : 강 준 구 (인)		2026.06.08		도로열선 설치 단면도

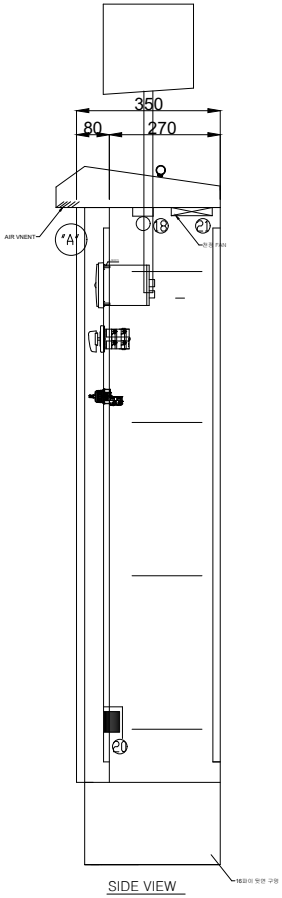
도로열선 설치 평면도

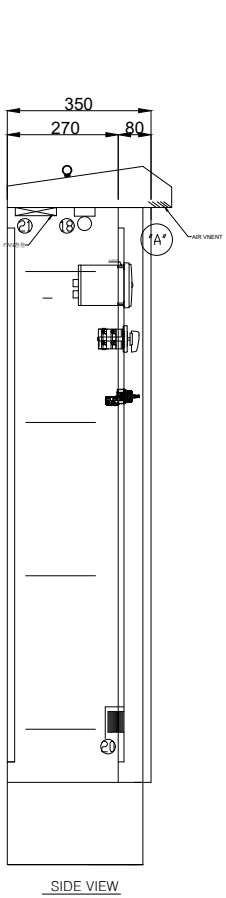


공 사 명	시 행 청	납 품 회 사	축 척	설계일자		도 면 명
마포대로195(마포래미안푸르지오 101동~306동)도로열선설치		CES주식회사 전북 완주군 봉동읍 테크노밸리로 485 TEL : (063) 214-3087, FAX : (063) 213-3087 대표이사 : 강 준 구 (인)	1:1000	2026.09.21		도로열선 설치 평면도

SMP-01(64KW) 마포구청

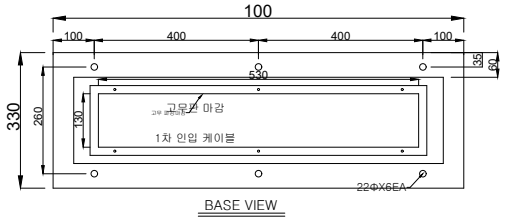


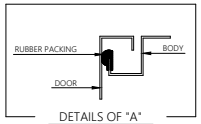


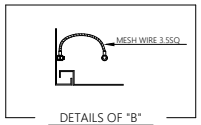


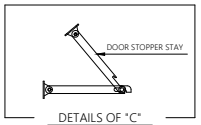
NAME PLATE OF DESCRIPTION

NP	DESCRIPTION	SPECIFICATION	Q'TY	REMARK	MODLE
1	SNOW MELTING PANEL(smp-01)	300 X 30	1	알미늄	
2	V-METER	80X80광각형 0~600V	1	대봉전기	D-110
3	A-METER	80X80광각형 125/5 OS 300%	1	대봉전기	D-110
4	V.S	3Φ3W	1	성호제어기	SHCS-V332TR
5	A.S	3Φ4W	1	성호제어기	SHCS-A343TR
6	S/S	25Φ 3단 1a1b	1	한영넉스	CRS-252A1
7	PBL-ON(적색)	25Φ LED AC220V 1a1b	1	한영넉스	CRX-G25MAR
8	PBL-OFF(녹색)	25Φ LED AC220V 1a1b	1	한영넉스	CRX-G25MAG
9	CONTROLLER	MOTION CAMERA	1	우리엘전자	TSM-CT2M
10	MCCB	4P125AF/125AT	1	LS 산전	ABS104c
11	CT(집합형)	125/5-5VA-3.0급	1	광성계측기	KBF-13
12	DIZED FUSE	AC500V-4A	1	카콘	KF-32L
13	ELB(CONTROL)	2P30AF/15AT(2.5kA)	3	LS 산전	32GRhs
14	ELB(METER)	3P30AF/15AT(5kA)	1	대륙전기	DSG33BE
15	MG SWITCH	MC-65a	3	LS 산전	MC-65a
16	ELB(HEATER)	2P30AF/30AT	16	LS 산전	EBS32Fb
17	FL	AC220V-10W	1	런전자	RLBS-10W
18	THERMOSTER	-10-50도	2	런전자	RTM-50H/F
19	SPACE HEATER	AC220V-100W	1	런전자	RHTS-100W
20	FAN	AC220V-100Φ	1	폴텍	FD1550A
21	MG SWITCH	MC-50a	1	LS 산전	MC-50a
22	ELB(HEATER)	3P50AF/40AT	1	LS 산전	EBN53c









- NOTE -

1. PANEL METERIAL : SUS - 1.5T
2. PANEL TYPE : 옥외자립형
3. Q'TY : 1면 (16CCT)
4. PANEL SIZE : W1000XH1600XD350
5. INPUT VOLTAGE : 3Φ4W-380/220V
6. PANEL COLOR : N/A
7. DOOR METERIAL : SUS-1.5T

씨이에스 주식회사

REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
3						
2						
1						
0	2025-09	FOR APPROVAL	JINSOO			

PROJECT: 마포구청

TITLE: snow melting panel no.1 - 외형도

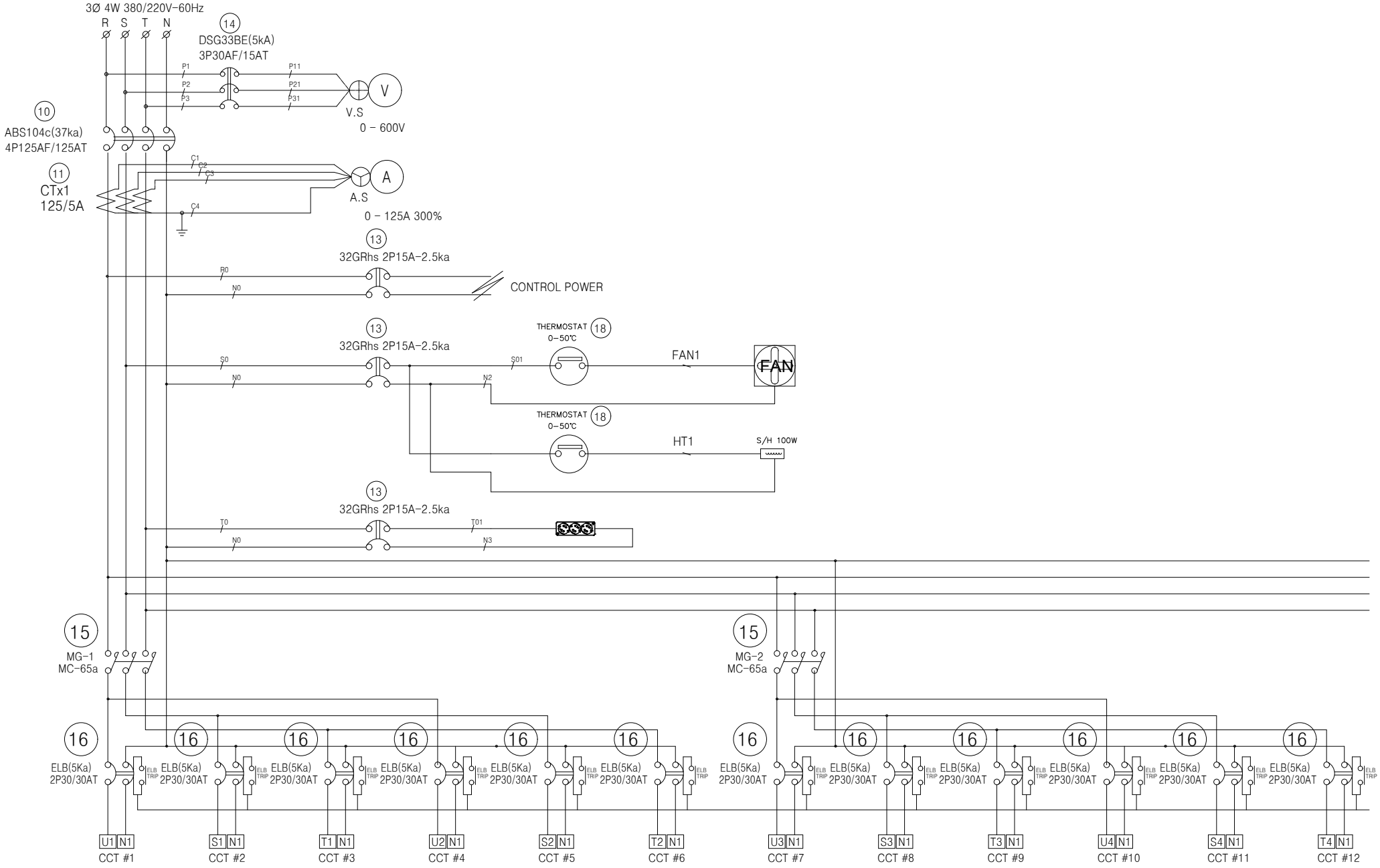
JOB NO.: -

SCALE: NONE

REF. NO.:

DWG. NO.: JS-0826

SMP-01(64KW) | 마포구청

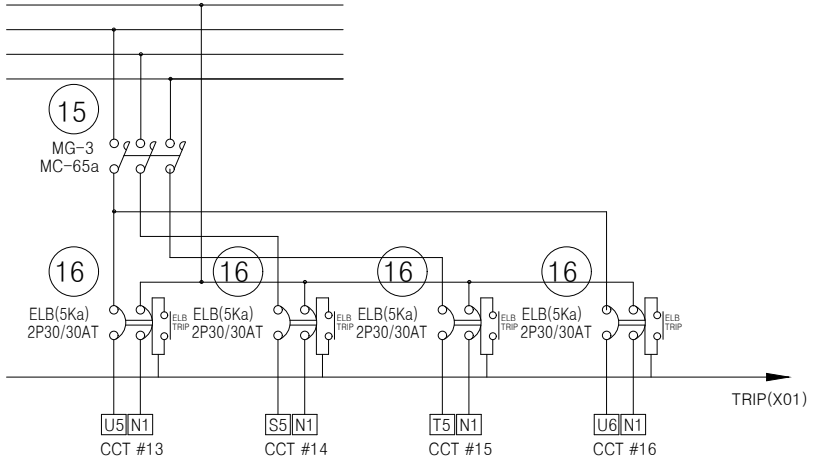


씨이에스 주식회사

REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
3						
2						
1						
0	2025-09	FOR APPROVAL	JINSOO			

PROJECT: 마포구청		TITLE: snow melting panel no.1 - 결선도	
JOB NO.: -	SCALE: NONE	REF. NO.:	DWG. NO.: JS-0826

SMP-01(64KW)	마포구청

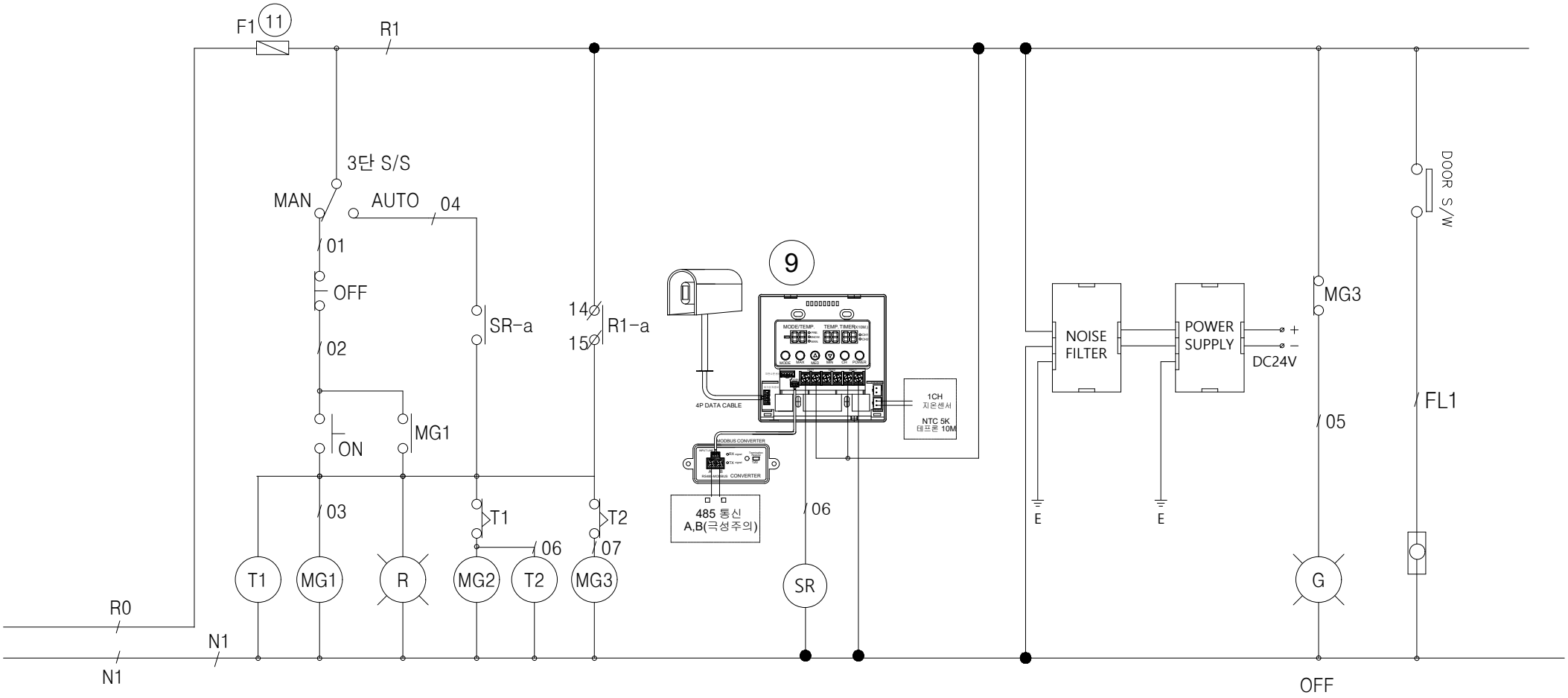


씨이에스 주식회사

REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
3						
2						
1						
0	2025-09	FOR APPROVAL	JINSOO			

PROJECT	마포구청	TITLE	snow melting panel no.1 - 결선도
JOB NO.	-	SCALE	NONE
REF. NO.		DWG. NO.	JS-0826

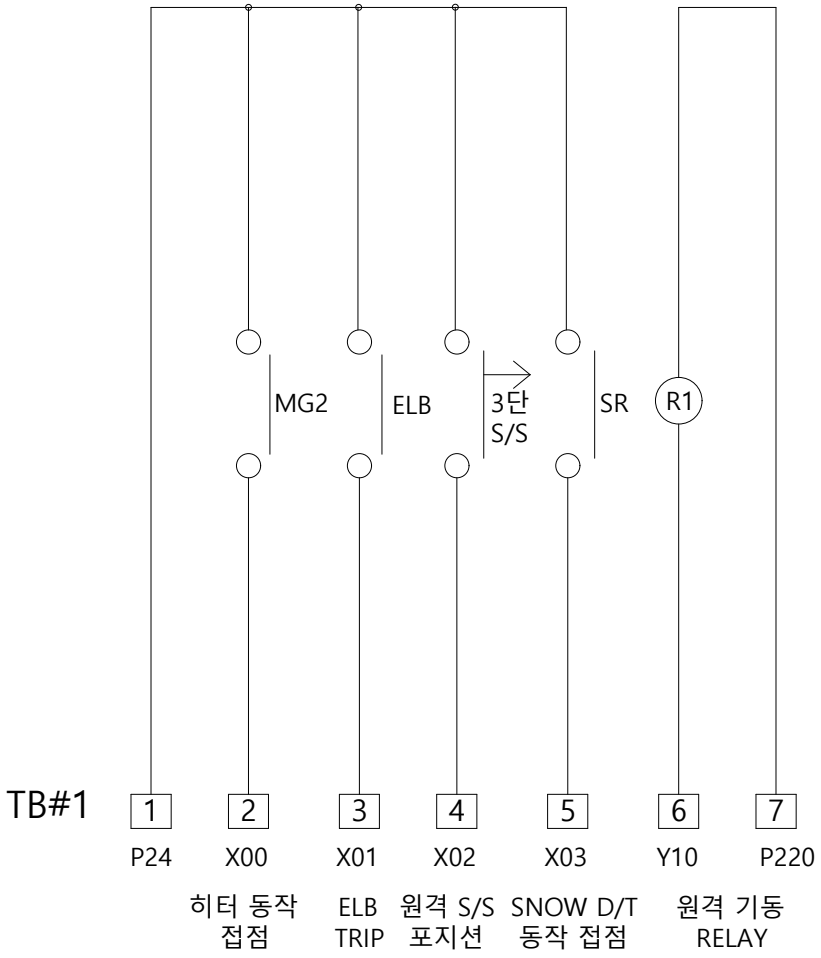
SMP-01(64KW)	마포구청



씨이에스 주식회사	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
	3						
	2						
	1						
	0	2025-09	FOR APPROVAL	JINSOO			

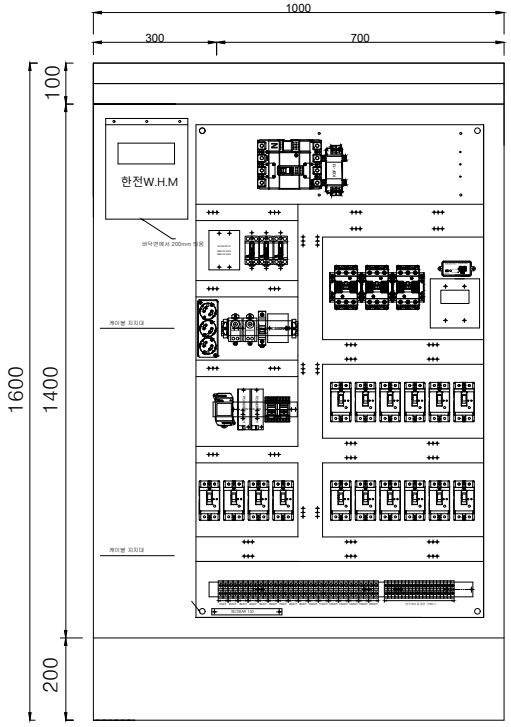
PROJECT	마포구청	TITLE	snow melting panel no.1 - 결선도
JOB NO.	-	SCALE	NONE
REF. NO.		DWG. NO.	JS-0826

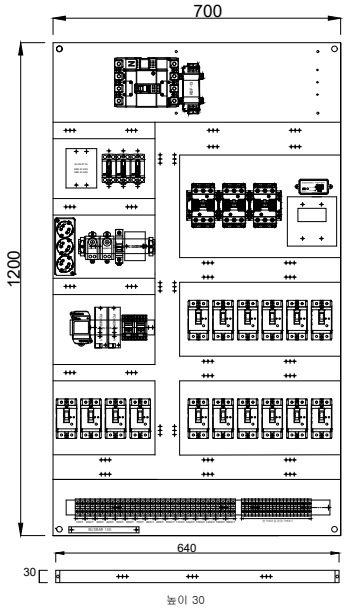
SMP-01(64KW)	마포구청



씨이에스 주식회사								PROJECT 마포구청		TITLE snow melting panel no.1 - 회로도	
	3										
	2										
	1										
	0	2025-09	FOR APPROVAL	JINSOO				JOB NO. -	SCALE NONE	REF. NO.	DWG. NO. JS-0826
	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP				

SMP-01(64KW)	마포구청



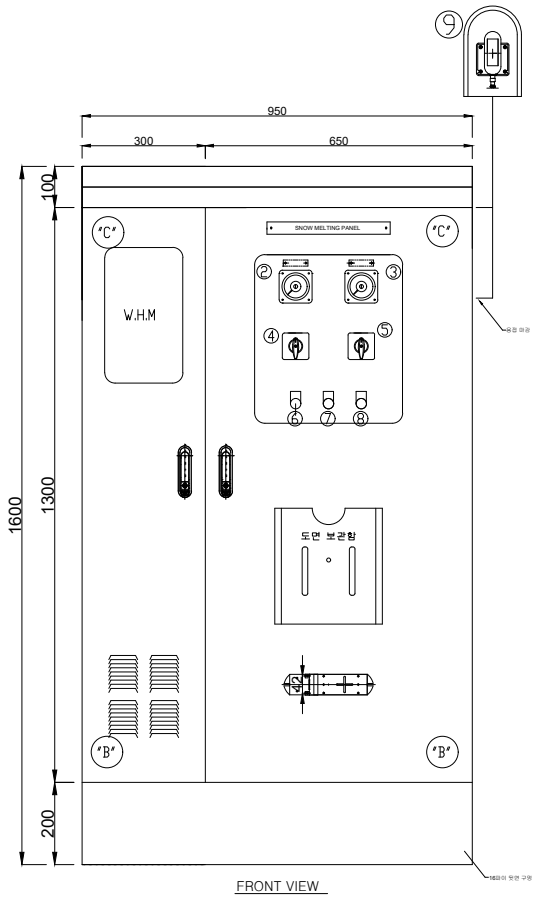


씨이에스 주식회사

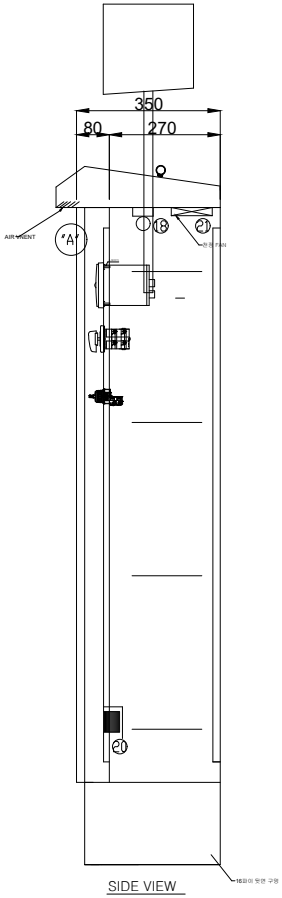
REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
3						
2						
1						
0	2025-09	FOR APPROVAL				

PROJECT		TITLE	
마포구청		snow melting panel no.1 - 배치도	
JOB NO.	SCALE	REF. NO.	DWG. NO.
-	NONE		JS-0826

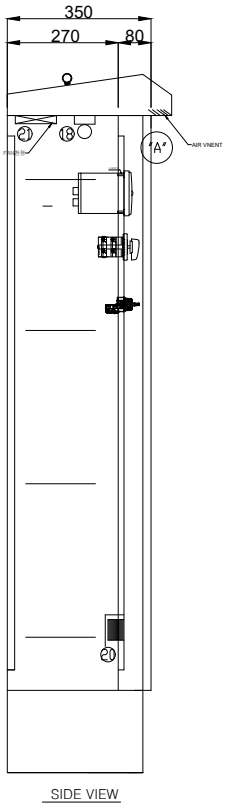
SMP-02(70KW) 마포구청



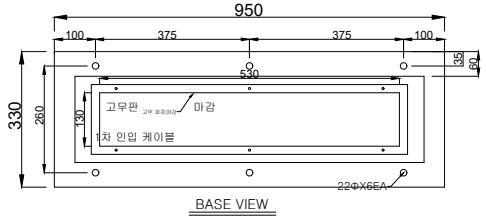
FRONT VIEW



SIDE VIEW



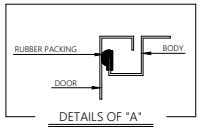
SIDE VIEW



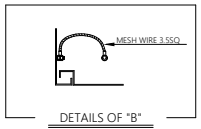
BASE VIEW

NAME PLATE OF DESCRIPTION

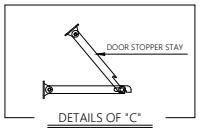
NP	DESCRIPTION	SPECIFICATION	Q'TY	REMARK	MODLE
1	SNOW MELTING PANEL(smp-02)	300 X 30	1	알미늄	
2	V-METER	80X80광각형 0~600V	1	대봉전기	D-110
3	A-METER	80X80광각형 125/5 OS 300%	1	대봉전기	D-110
4	V.S	3Φ3W	1	성호제어기	SHCS-V332TR
5	A.S	3Φ4W	1	성호제어기	SHCS-A343TR
6	S/S	25Φ 3단 1a1b	1	한영넉스	CRS-252A1
7	PBL-ON(적색)	25Φ LED AC220V 1a1b	1	한영넉스	CRX-G25MAR
8	PBL-OFF(녹색)	25Φ LED AC220V 1a1b	1	한영넉스	CRX-G25MAG
9	CONTROLLER	MOTION CAMERA	1	우리엘전자	TSM-CT2M
10	MCCB	4P125AF/125AT	1	LS 산전	ABS104c
11	CT(집합형)	125/5-5VA-3.0급	1	광성계측기	KBF-13
12	DIZED FUSE	AC500V-4A	1	카콘	KF-32L
13	ELB(CONTROL)	2P30AF/15AT(2.5kA)	3	LS 산전	32GRhs
14	ELB(METER)	3P30AF/15AT(5kA)	1	대륙전기	DSG33BE
15	MG SWITCH	MC-75a	3	LS 산전	MC-65a
16	ELB(HEATER)	2P30AF/30AT	8	LS 산전	EBS32C
17	FL	AC220V-10W	1	런전자	RLBS-10W
18	THERMOSTER	-10-50도	2	런전자	RTM-50H/F
19	SPACE HEATER	AC220V-100W	1	런전자	RHTS-100W
20	FAN	AC220V-100Φ	1	폴텍	FD1550A
21	MG SWITCH	MC-50a	1	LS 산전	MC-50a
22	ELB(HEATER)	3P50AF/40AT	1	LS 산전	EBN53c



DETAILS OF "A"
(DETAIL OF DOOR PACKING)



DETAILS OF "B"
(DETAIL OF DOOR EARTH)



DETAILS OF "C"
(DETAIL OF DOOR STOPPER STAY)

- NOTE -

1. PANEL METERIAL : SUS - 1.5T
2. PANEL TYPE : 옥외자립형
3. Q'TY : 1면 (8CCT)
4. PANEL SIZE : W950XH1600XD350
5. INPUT VOLTAGE : 3Φ4W-380/220V
6. PANEL COLOR : N/A
7. DOOR METERIAL : SUS-1.5T

씨이에스 주식회사

REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
3						
2						
1						
0	2026-05	FOR APPROVAL	JINSOO			

PROJECT 마포구청

TITLE snow melting panel no.2 - 외형도

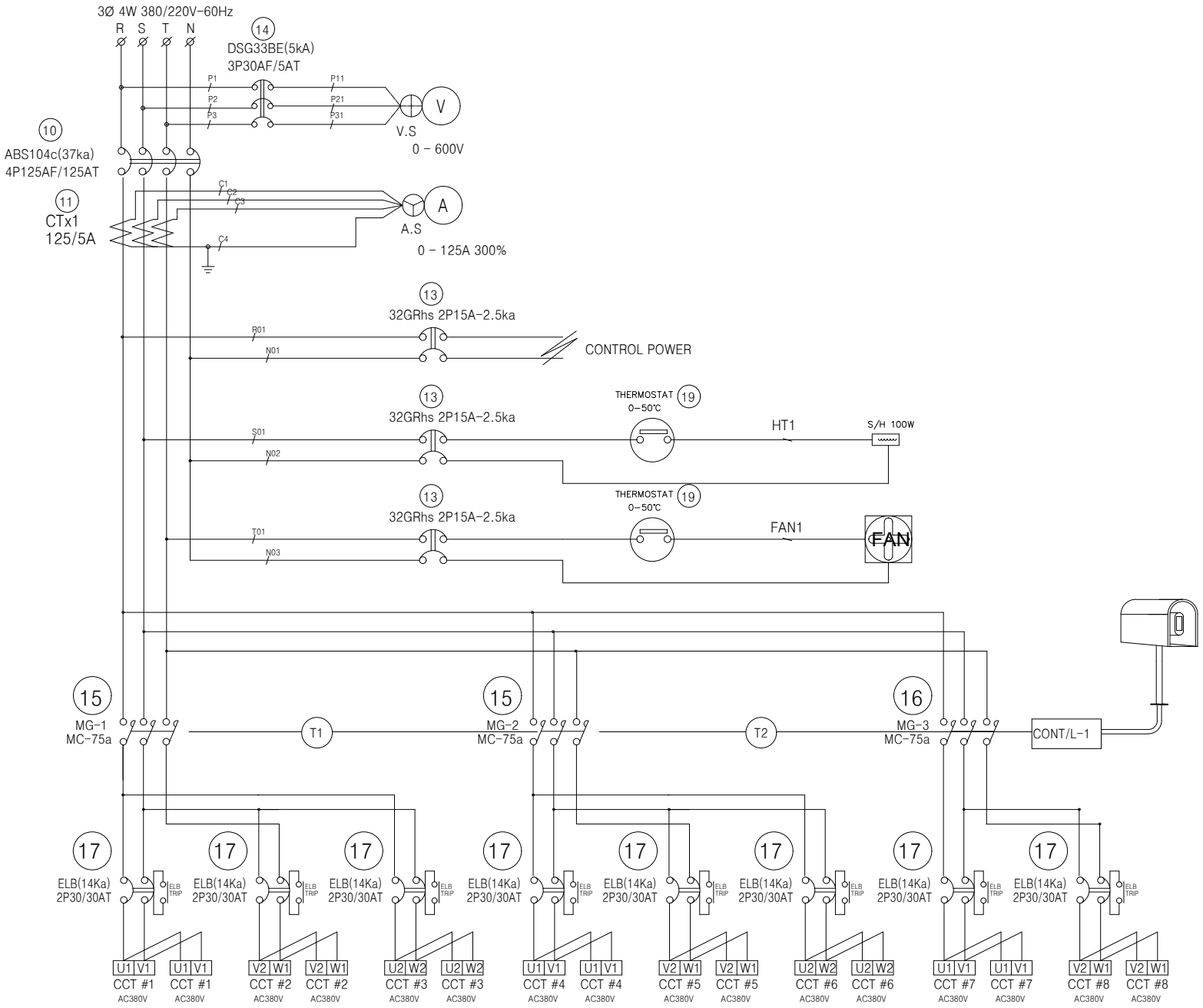
JOB NO. -

SCALE NONE

REF. NO.

DWG. NO. JS-0512

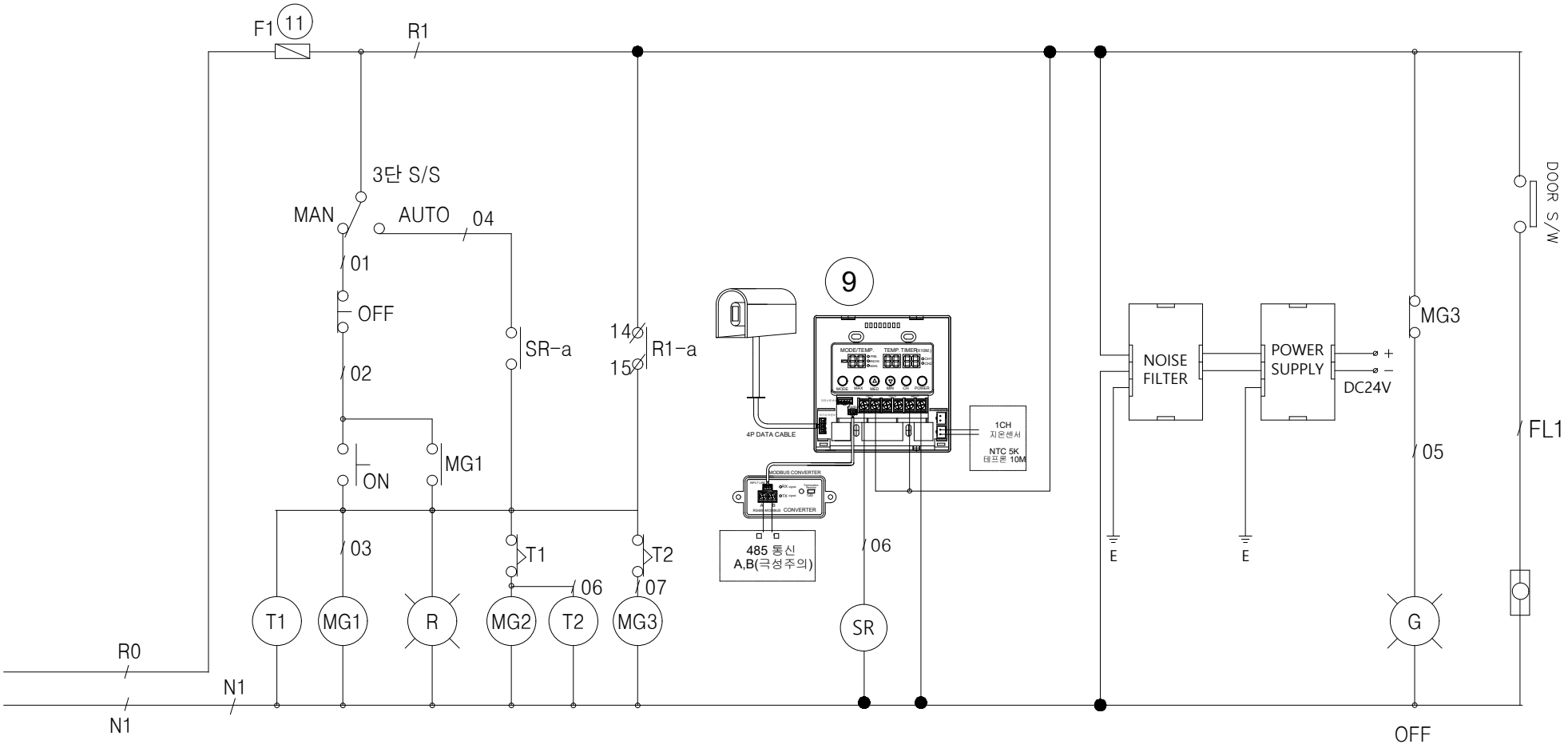
SMP-02(70KW) | 마포구청



씨이에스 주식회사	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
	3						
	2						
	1						
	0	2026-05	FOR APPROVAL	JINSOO			

PROJECT	TITLE
마포구청	snow melting panel no.2 - 결선도
JOB NO.	SCALE
-	NONE
REF. NO.	DWG. NO.
	JS-0512

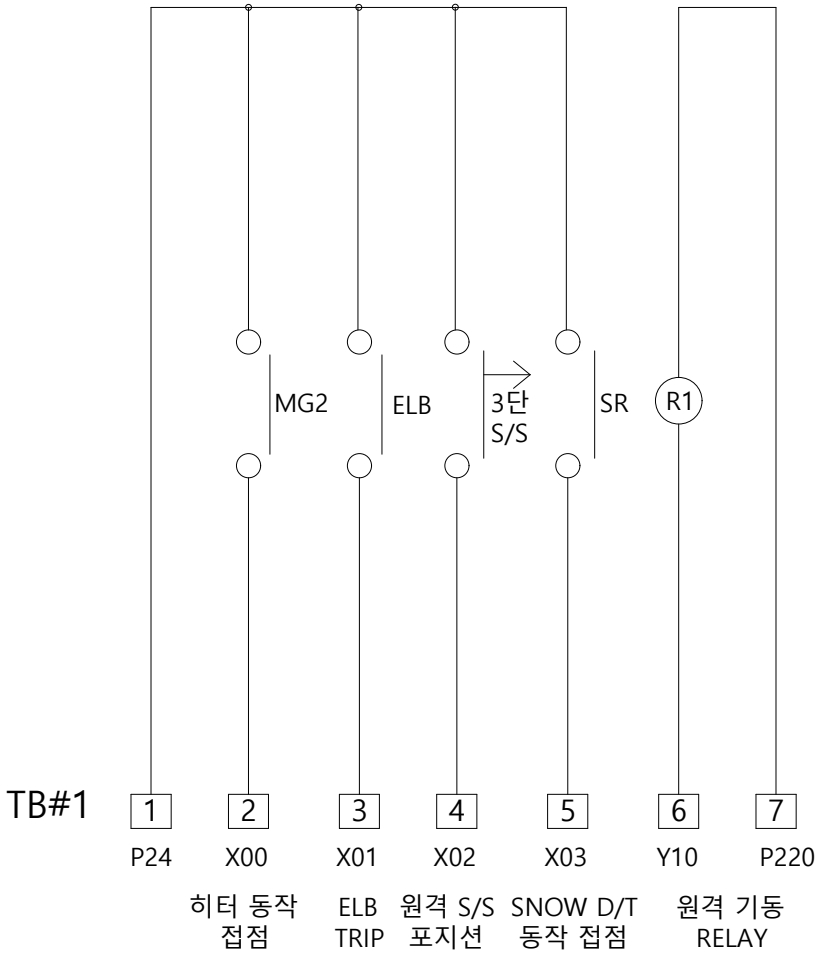
SMP-02(70KW)	마포구청



씨이에스 주식회사	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
	3						
	2						
	1						
	0	2026-05	FOR APPROVAL	JINSOO			

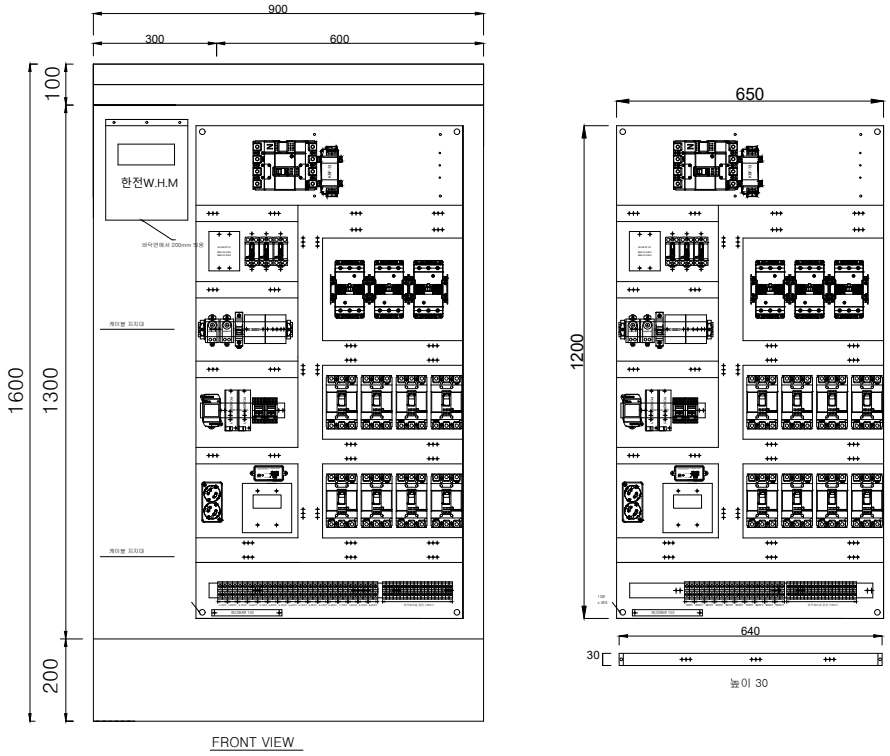
PROJECT	마포구청	TITLE	snow melting panel no.2 - 회로도
JOB NO.	-	SCALE	NONE
REF. NO.		DWG. NO.	JS-0512

SMP-02(70KW)	마포구청



씨이에스 주식회사								PROJECT 마포구청		TITLE snow melting panel no.2 - 회로도	
	3										
	2										
	1										
	0	2026-05	FOR APPROVAL	JINSOO				JOB NO. -	SCALE NONE	REF. NO.	DWG. NO. JS-0512
	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP				

SMP-02(70KW)	마포구청

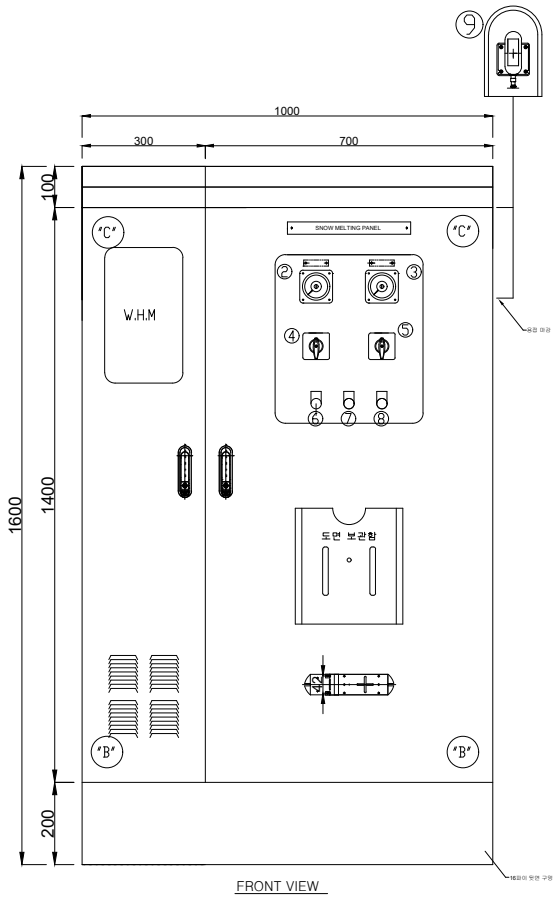


FRONT VIEW

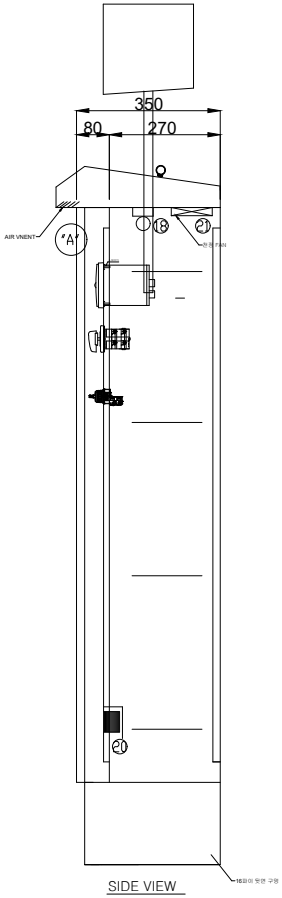
씨이에스 주식회사	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
	3						
	2						
	1						
	0	2026-05	FOR APPROVAL	JINSOO			

PROJECT	마포구청	TITLE	snow melting panel no.2 - 배치도
JOB NO.	-	SCALE	NONE
REF. NO.		DWG. NO.	JS-0512

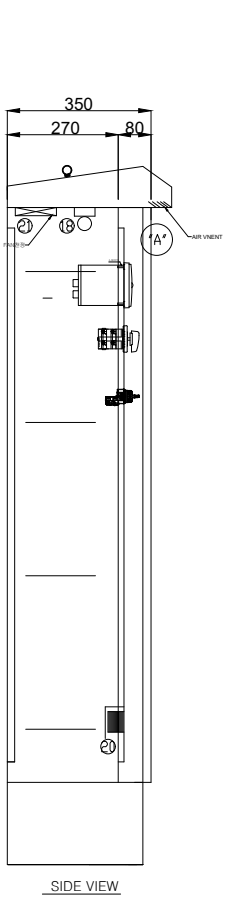
SMP-03(55KW) 마포구청



FRONT VIEW



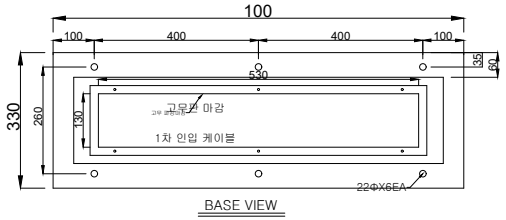
SIDE VIEW



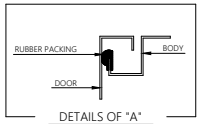
SIDE VIEW

NAME PLATE OF DESCRIPTION

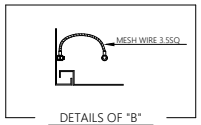
NP	DESCRIPTION	SPECIFICATION	Q'TY	REMARK	MODLE
1	SNOW MELTING PANEL(SMP-03)	300 X 30	1	알미늄	
2	V-METER	80X80광각형 0~600V	1	대붕전기	D-110
3	A-METER	80X80광각형 100/5 OS 300%	1	대붕전기	D-110
4	V.S	3Φ3W	1	성호제어기	SHCS-V332TR
5	A.S	3Φ4W	1	성호제어기	SHCS-A343TR
6	S/S	25Φ 3단 1a1b	1	한영넉스	CRS-252A1
7	PBL-ON(적색)	25Φ LED AC220V 1a1b	1	한영넉스	CRX-G25MAR
8	PBL-OFF(녹색)	25Φ LED AC220V 1a1b	1	한영넉스	CRX-G25MAG
9	CONTROLLER	MOTION CAMERA	1	우리엘전자	TSM-CT2M
10	MCCB	4P125AF/100AT	1	LS 산전	ABS104c
11	CT(집합형)	100/5-5VA-3.0급	1	광성계측기	KBF-13
12	DIZED FUSE	AC500V-4A	1	카콘	KF-32L
13	ELB(CONTROL)	2P30AF/15AT(2.5kA)	3	LS 산전	32GRhs
14	ELB(METER)	3P30AF/15AT(5kA)	1	대륙전기	DSG33BE
15	MG SWITCH	MC-65a	3	LS 산전	MC-65a
16	ELB(HEATER)	2P30AF/30AT	16	LS 산전	EBS32Fb
17	FL	AC220V-10W	1	런전자	RLBS-10W
18	THERMOSTER	-10-50도	2	런전자	RTM-50H/F
19	SPACE HEATER	AC220V-100W	1	런전자	RHTS-100W
20	FAN	AC220V-100Φ	1	폴텍	FD1550A
21	MG SWITCH	MC-50a	1	LS 산전	MC-50a
22	ELB(HEATER)	3P50AF/40AT	1	LS 산전	EBN53c



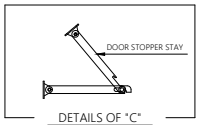
BASE VIEW



DETAILS OF "A"
(DETAIL OF DOOR PACKING)



DETAILS OF "B"
(DETAIL OF DOOR EARTH)



DETAILS OF "C"
(DETAIL OF DOOR STOPPER STAY)

- NOTE -

1. PANEL METERIAL : SUS - 1.5T
2. PANEL TYPE : 옥외자립형
3. Q'TY : 1면 (16CCT)
4. PANEL SIZE : W1000XH1600XD350
5. INPUT VOLTAGE : 3Φ4W-380/220V
6. PANEL COLOR : N/A
7. DOOR METERIAL : SUS-1.5T

씨이에스 주식회사

REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
3						
2						
1						
0	2025-09	FOR APPROVAL	JINSOO			

PROJECT 마포구청

TITLE snow melting panel no.3 - 외형도

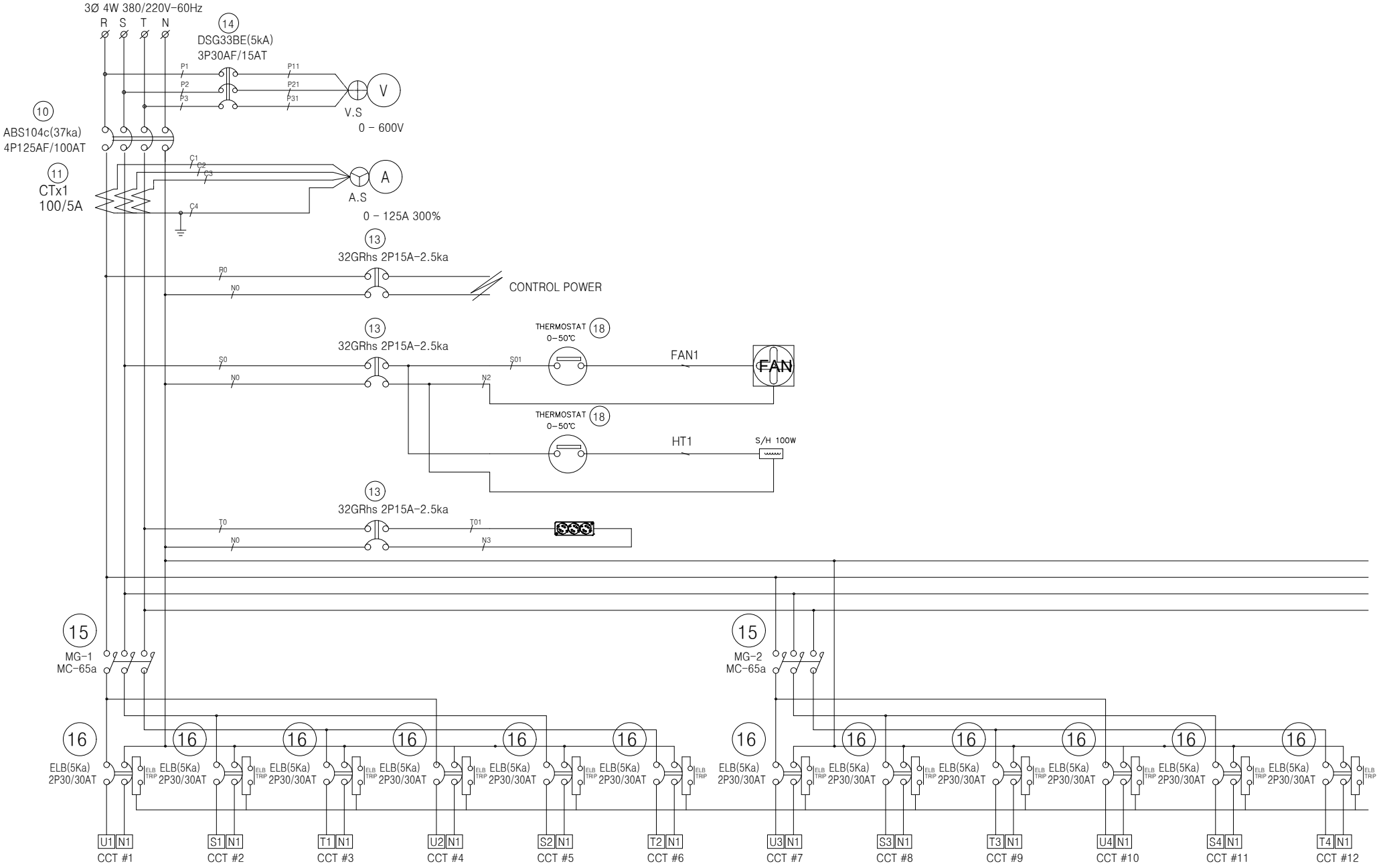
JOB NO. -

SCALE NONE

REF. NO.

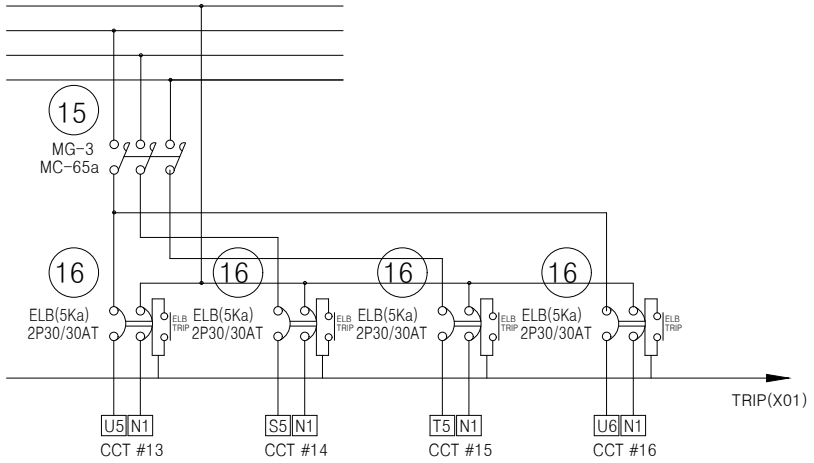
DWG. NO. JS-0826

SMP-03(55KW)	마포구청



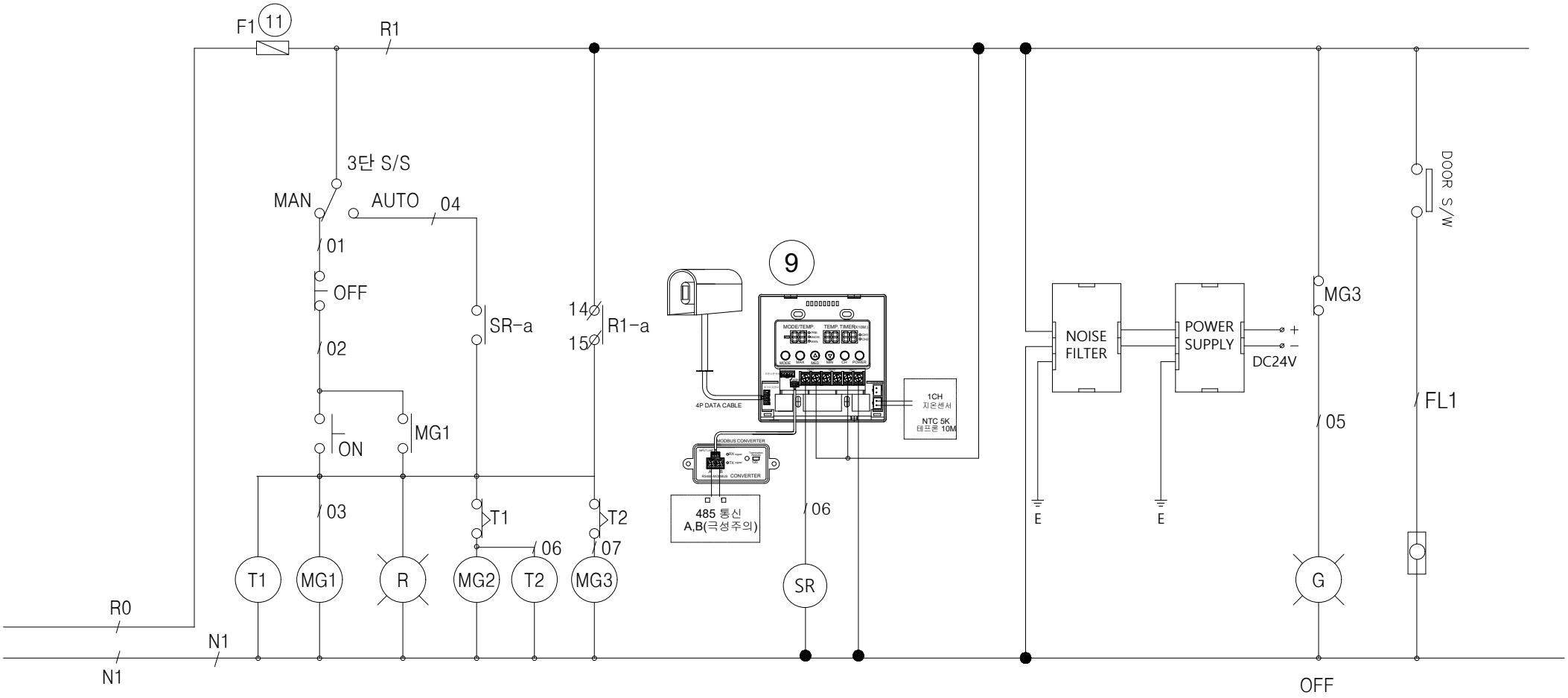
씨이에스 주식회사										
	3							PROJECT 마포구청	TITLE snow melting panel no.3 - 결선도	
	2									
	1									
	0	2025-09	FOR APPROVAL	JINSOO				JOB NO. -	SCALE NONE	REF. NO.
	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP			DWG. NO. JS-0826

SMP-03(55KW)	마포구청



씨이에스 주식회사									
	3							PROJECT 마포구청	TITLE snow melting panel no.3 - 결선도
	2								
	1								
	0	2025-09	FOR APPROVAL	JINSOO				JOB NO. - / SCALE NONE	REF. NO. / DWG. NO. JS-0826
	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP		

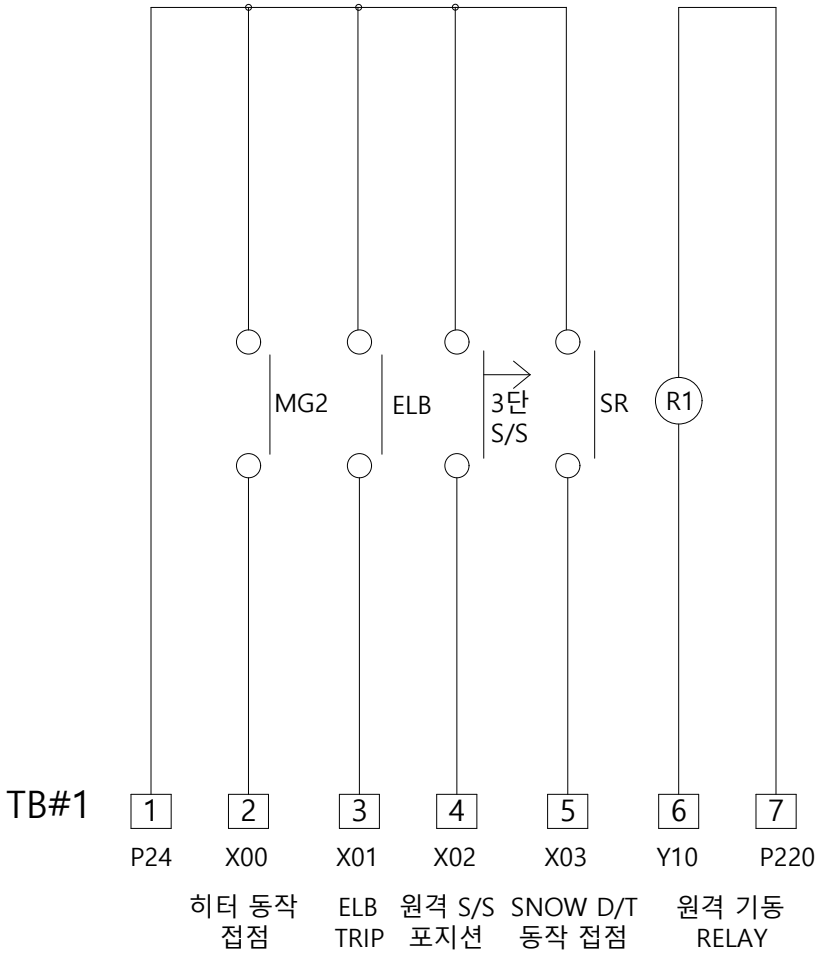
SMP-03(55KW)	마포구청



씨이에스 주식회사	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
	3						
	2						
	1						
	0	2025-09	FOR APPROVAL	JINSOO			

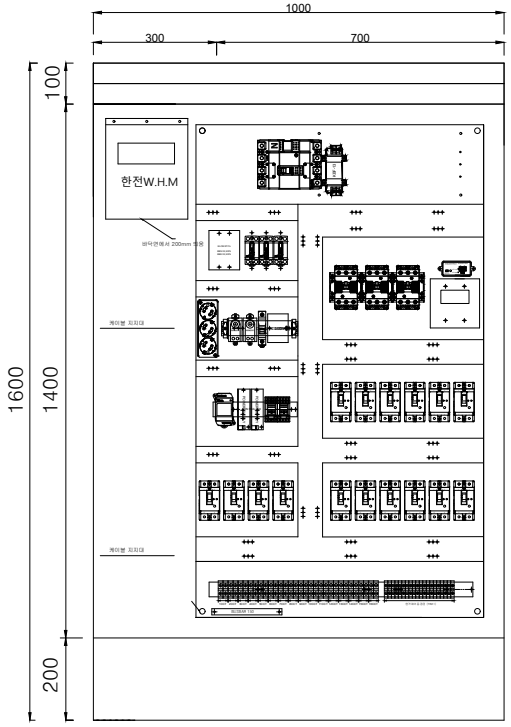
PROJECT	마포구청	TITLE	snow melting panel no.3 - 결선도
JOB NO.	-	SCALE	NONE
REF. NO.		DWG. NO.	JS-0826

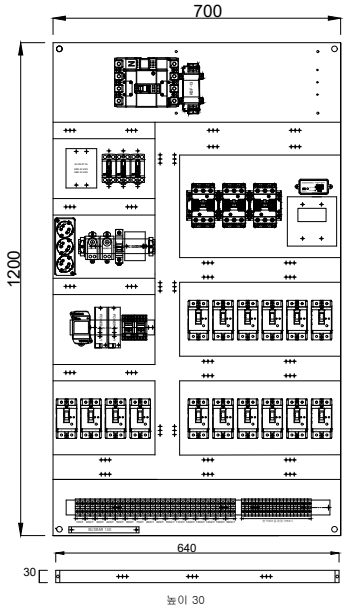
SMP-03(55KW)	마포구청



씨이에스 주식회사								PROJECT 마포구청		TITLE snow melting panel no.3 - 회로도	
	3										
	2										
	1										
	0	2025-09	FOR APPROVAL	JINSOO				JOB NO. -	SCALE NONE	REF. NO.	DWG. NO. JS-0826
	REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP				

SMP-03(55KW)	마포구청





씨이에스 주식회사

REV.	DATE	DESCRIPTION	DWG	DSN	CHK	APP
3						
2						
1						
0	2025-09	FOR APPROVAL				

PROJECT		TITLE	
마포구청		snow melting panel no.3 - 배치도	
JOB NO.	SCALE	REF. NO.	DWG. NO.
-	NONE		JS-0826