

A		B		C		D		E		F		G		H		
1											PART'S NAME	MODEL NUMBER	VENDER	수량	비고	
											PLC BASE	Q35B	MITSUBISHI	1		
											PLC POWER	Q61P	MITSUBISHI	1		
											PLC CPU	Q03UDVCPU	MITSUBISHI	1		
											PLC CC-LINK	QJ61BT11N	MITSUBISHI	1		
											MOTION CPU	QD77MS4	MITSUBISHI	1		
2																
3											BASE: Q35B					
																4
5																

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OUT

Q61P
Power Unit

POWER UNIT
Q61P

CPU UNIT
Q03UDVCPU

CC LINK UNIT
QJ61BT11N

MOTION CPU
QD77MS4

0

1

2

3

4

5

Q03UDVCPU

QJ61BT11N
(020~03F)

QD77MS4
(020~03F)

-
(040~05F)

-
(060~07F)

-
(080~09F)

		1st REVISION	CORRECT			2nd REVISION	CORRECT			3rd REVISION	CORRECT			4th REVISION	CORRECT	
DATE				DATE				DATE				DATE				
PROJECT	MASK LINE(A)										TITLE	MASK 설비				
UNIT	mm	SCALE	1/1	DATE	2020.04.06					PLC CONFIGURATION						
				DESIGN	CHECK	APPROVED				DWG. NO	SNZ20009-MASK-050-01					
				Y.D.J	A.Y.J	K.Y.J										

TOP-403-03 (Rev1)

A

B

C

D

TOPTEC (Control Part)

E

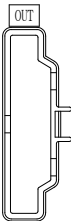
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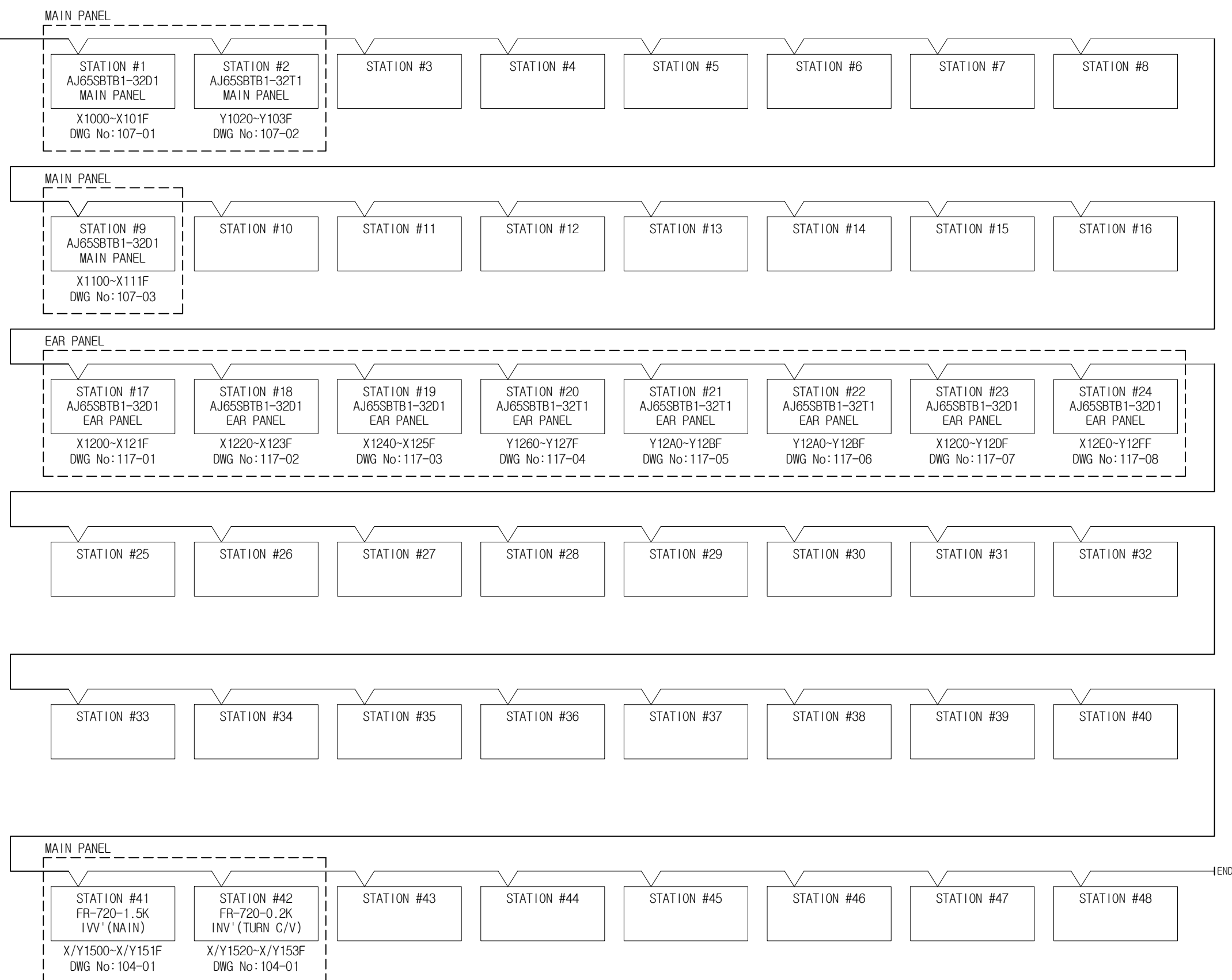
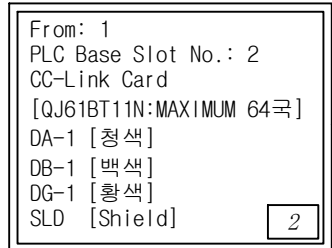
G

H

A1 841X594

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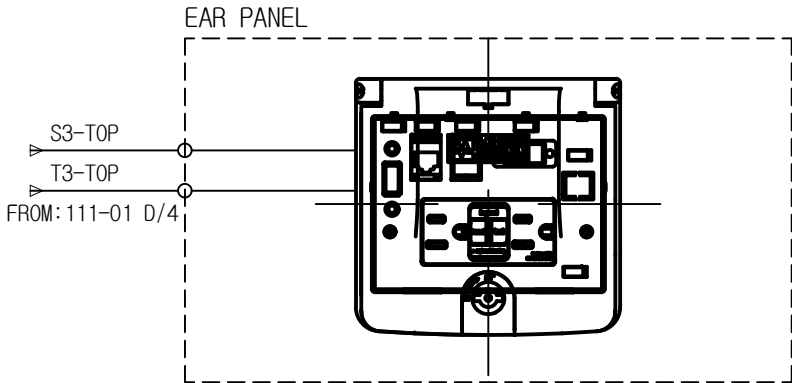
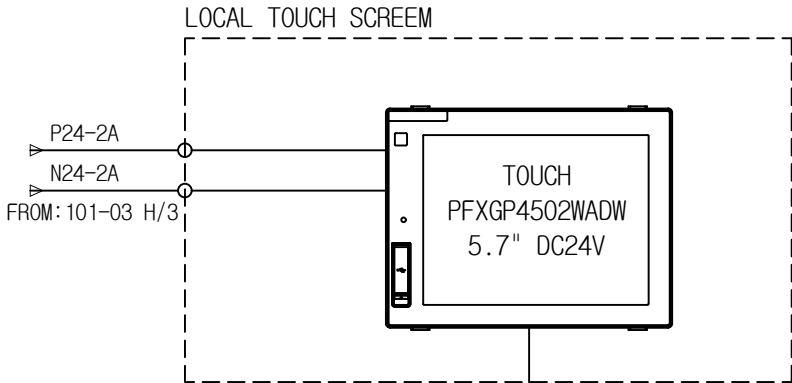
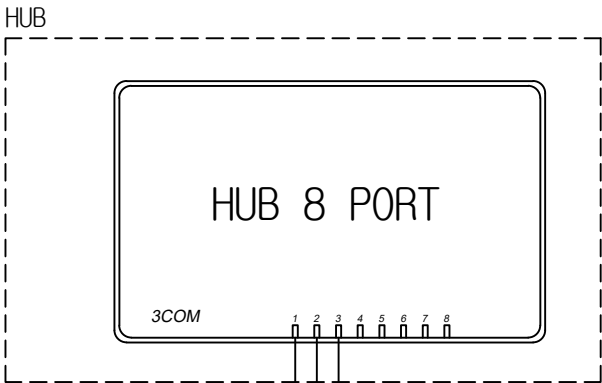
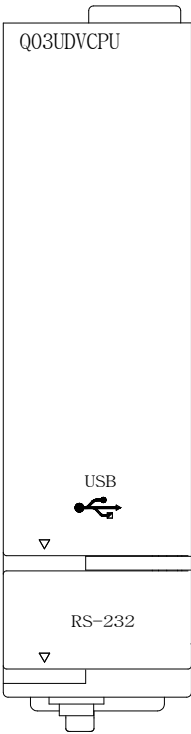
POWER UNIT Q61P								
		Q61P Power Unit						
			0	1	2	3	4	5
		CPU UNIT Q03UDVCPU	Q03UDVCPU	QJ61BT11N (020~03F)	QD77MS4 (020~03F)	- (040~05F)	- (060~07F)	- (080~09F)
		CC LINK UNIT QJ61BT11N						
MOTION CPU QD77MS4								



	1st REVISION	CORRECT		2nd REVISION	CORRECT		3rd REVISION	CORRECT		4th REVISION	CORRECT
DATE			DATE			DATE			DATE		
PROJECT	MASK LINE(A)					TITLE	MASK 설비				
UNIT	mm	SCALE	1/2	DATE	2020.04.06	CC-LINK CONFIGURATION					
 TOPTEC				DESIGN	CHECK	APPROVED	DWG. NO				
				Y.D.J	A.Y.J	K.Y.J	SNZ20009-MASK-051-01				

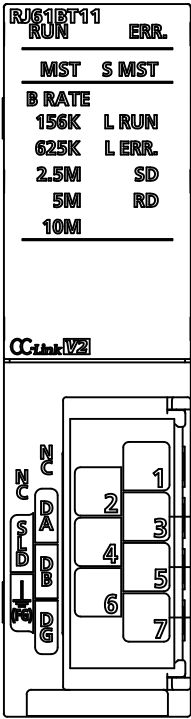
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Q03UDVCPU



1st REVISION			CORRECT			2nd REVISION			CORRECT			3rd REVISION			CORRECT			4th REVISION			CORRECT		
DATE						DATE						DATE						DATE					
PROJECT		MASK LINE(A)										TITLE	MASK 설비										
UNIT	mm	SCALE	1/i	DATE		2020.04.06							SYSTEM CONFIGURATION 1										
		DESIGN		CHECK		APPROVED																	
		TOPTEC										DWG. NO	SNZ20009-MASK-052-01										
		Y.D.J		A.Y.J		K.Y.J																	

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DA: 청색
DB: 백색
DG: 황색

AJ65SBTB1-32D1-#1
MAIN PANEL

AJ65SBTB1-32T1-#2
MAIN PANEL

AJ65SBTB1-32D1-#9
MAIN PANEL

AJ65SBTB1-32D1-#17
EAR PANEL

AJ65SBTB1-32D1-#18
EAR PANEL

AJ65SBTB1-32D1-#19
EAR PANEL

AJ65SBTB1-32T1-#20
EAR PANEL

AJ65SBTB1-32T1-#21
EAR PANEL

AJ65SBTB1-32T1-#22
EAR PANEL

AJ65SBTB1-32D1-#23
EAR PANEL

AJ65SBTB1-32D1-#24
EAR PANEL

FR-720-1.5K
INV01-#41
MAIN PANEL

FR-720-0.2K
INV02-#42
MAIN PANEL

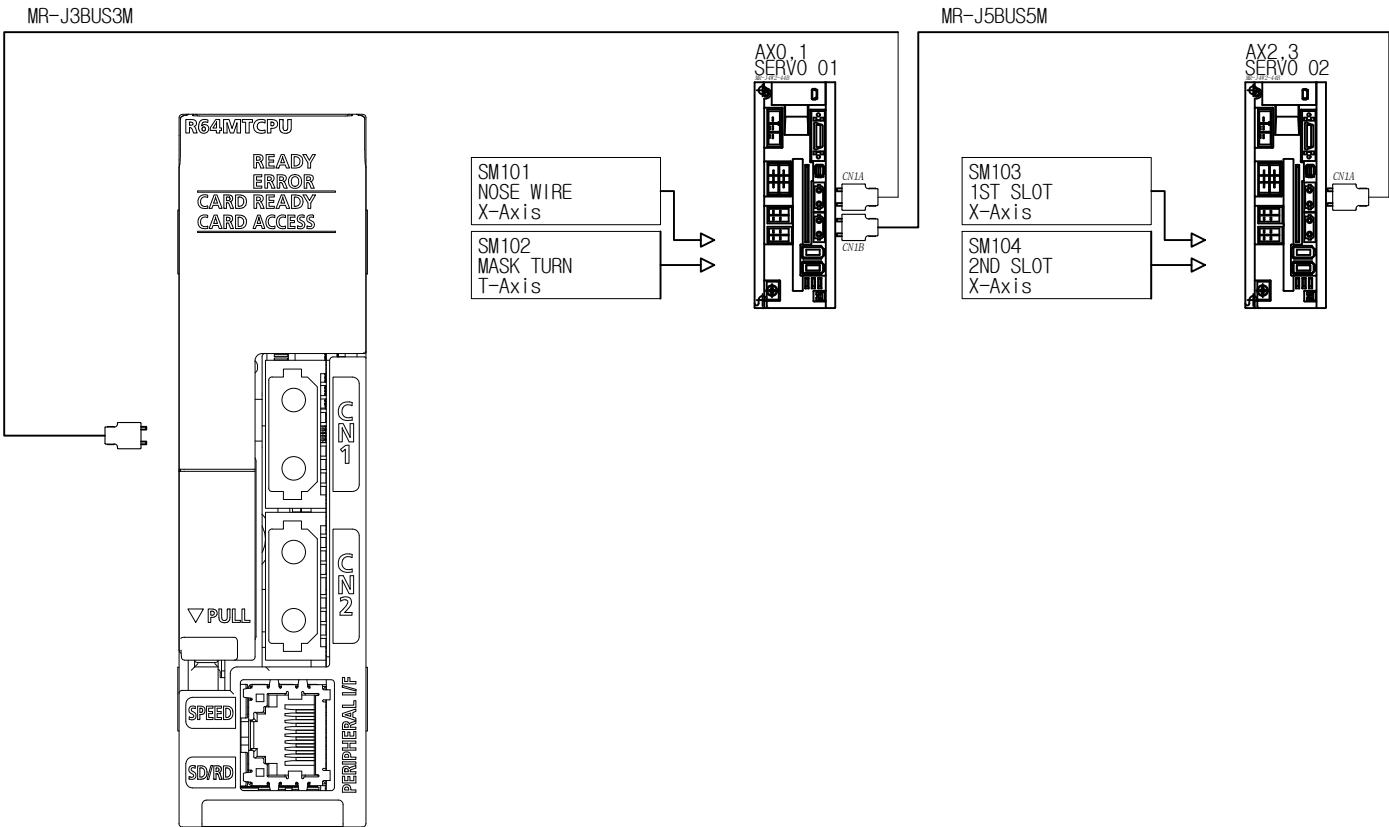
QJ61BT11N

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DATE					DATE				DATE				DATE			
PROJECT		MASK LINE(A)							TITLE		MASK 설비					
UNIT		mm	SCALE	1/i	DATE		2020.04.06		SYSTEM CONFIGURATION 2							
					DESIGN		CHECK	APPROVED								
 TOPTEC					Y.D.J		A.Y.J	K.Y.J	DWG. NO		SNZ20009-MASK-052-02					

END

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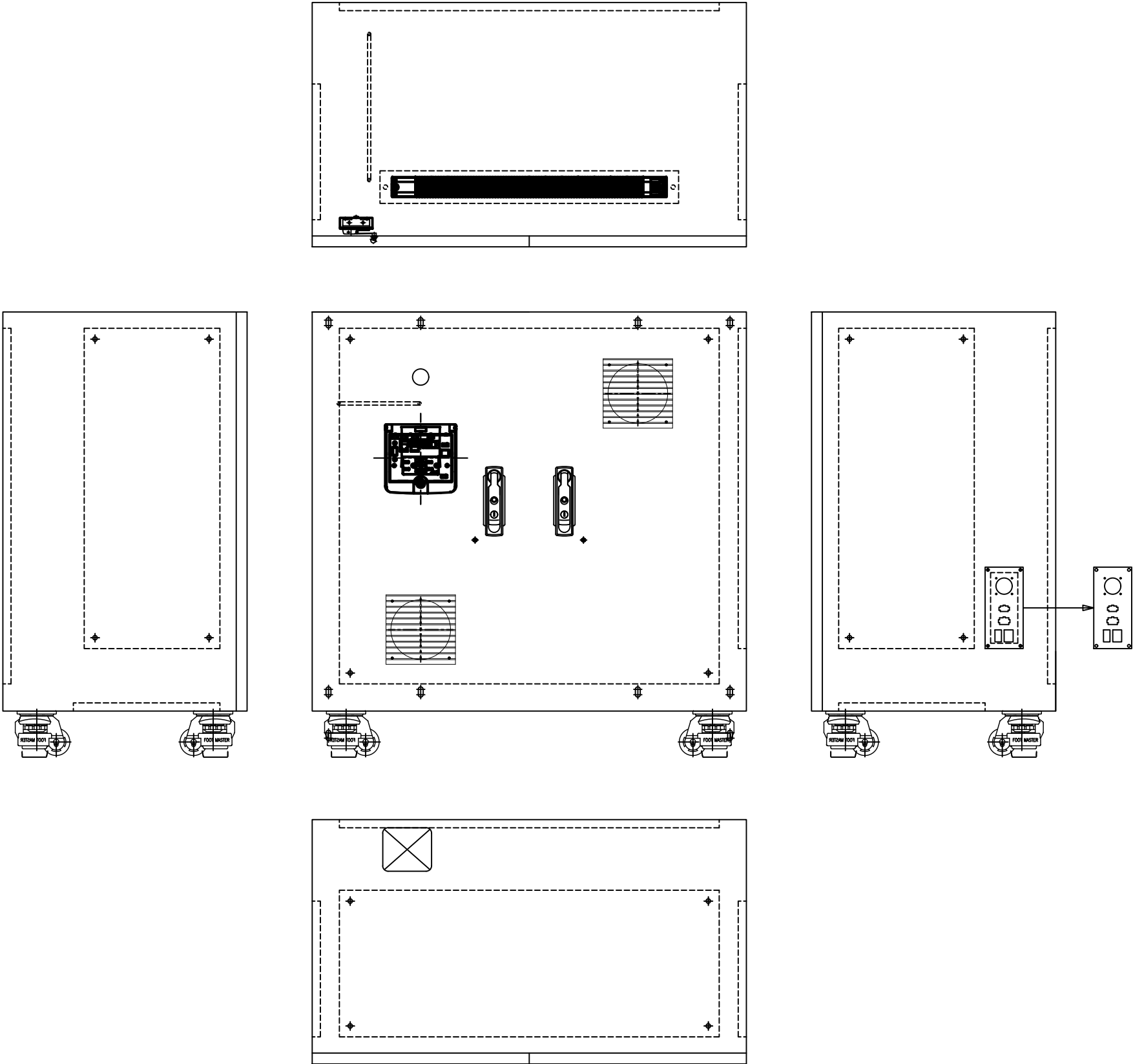
QD77MS4



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DATE						DATE						DATE						DATE						
PROJECT		MASK LINE(A)										TITLE	MASK 설비											
UNIT	mm	SCALE	1/1	DATE		2020.04.06				DESIGN	CHECK		APPROVED		DWG. NO	SYSTEM CONFIGURATION 3								
		TOPTEC										Y.D.J		A.Y.J		K.Y.J		SNZ20009-MASK-052-03						

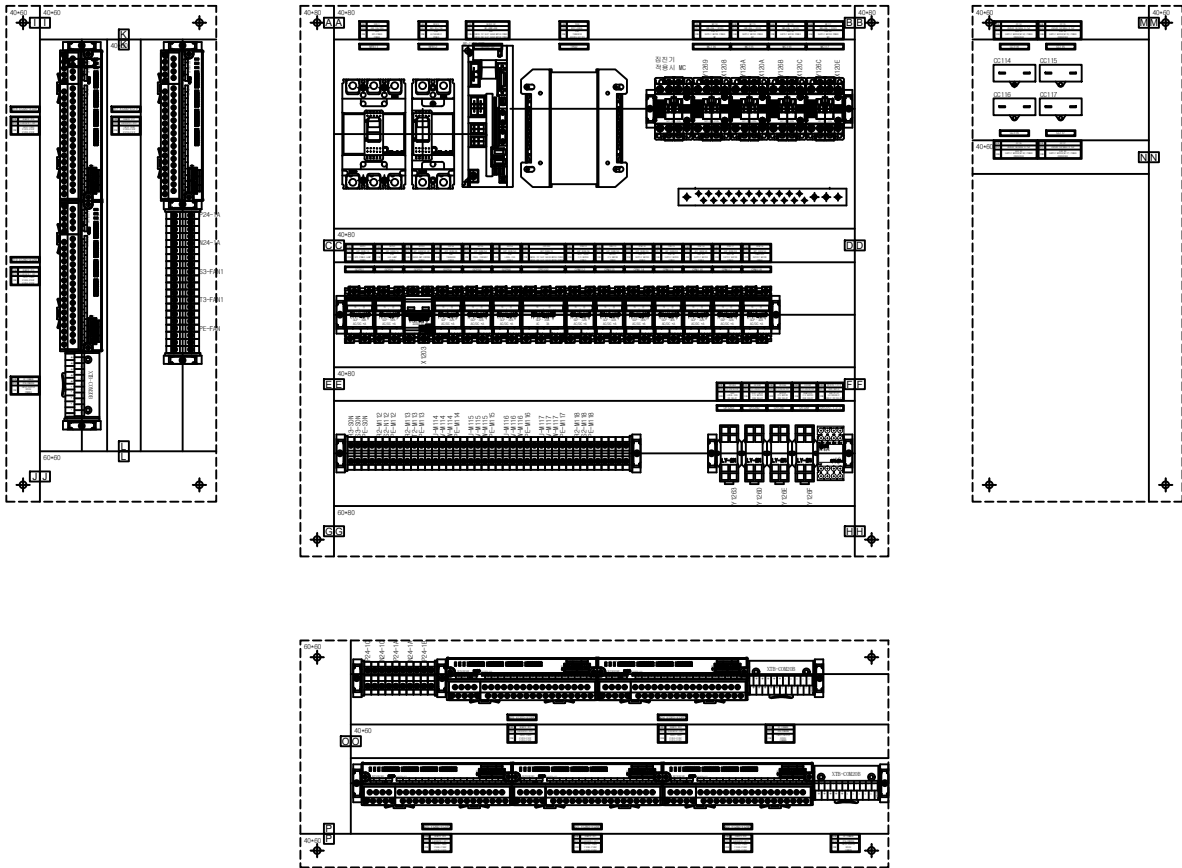
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NO.	SYMBOL	SPECIFICATION	Q'TY	MAKER
1	PANEL LAMP	LSL3 10AB22RM/K 5,700K	1	FEELUX
2	MICRO SWITCH	HY-R704C	1	HAN YOUNG
3	MICRO SWITCH COVER	HY-R704C COVER	1	HAN YOUNG
4	PL LAMP	KGP-LV2G	1	KG AUTO
5	PL COVER	KG-60	1	KG AUTO
6	INTERFACE COVER	4000-68523-0000001	1	MURR
7	INTERFACE	4000-68000-4180000	1	MURR
8	FAN COVER	FHC-120	2	SAMWON ACT
9				
10				



DATE	1st REVISION	CORRECT	DATE	2nd REVISION	CORRECT	DATE	3rd REVISION	CORRECT	DATE	4th REVISION	CORRECT
PROJECT	MASK LINE(A)						TITLE	MASK 설비			
UNIT	mm	SCALE	1/i	DATE	2020.04.06						
		DESIGN		CHECK		APPROVED					
		Y.D.J		A.Y.J		K.Y.J	DWG. NO	SNZ20009-MASK-100-01			

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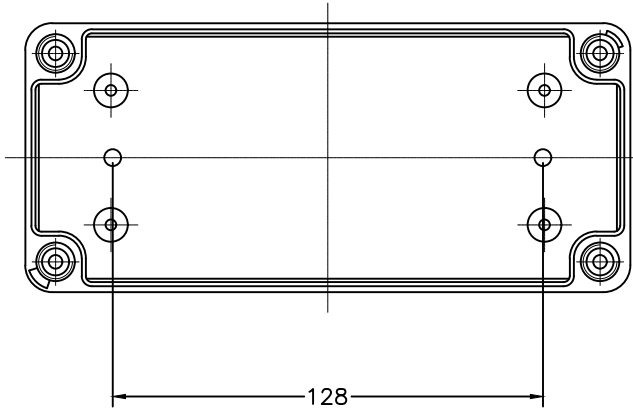
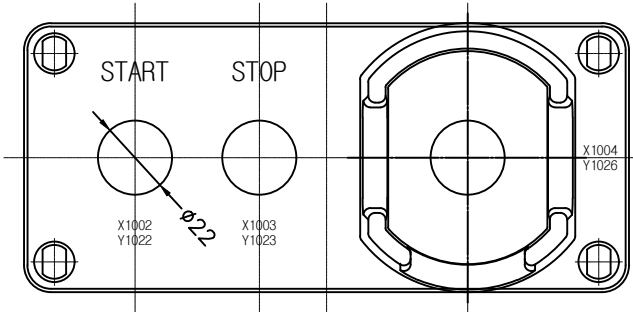


NO.	SYMBOL	SPECIFICATION	Q'TY	MAKER
1	MCCB	ABS 33c/20A	1	LS
2	MCCB	ABS 32c/15A	1	LS
3	SERVO AMP	MR-J4W2-44B	1	mitsubishi
4	TRANSFER	WY21-300UL	1	WOON YOUNG
5	M/C	GMD-09B/DC24V	4	LS
6	C/P	GCP32AN/1A	2	HONEYWELL
7		GCP32AN/2A	4	HONEYWELL
8		GCP32AN/3A	4	HONEYWELL
9		GCP32AN/5A	2	HONEYWELL
10		GCP32AN/3A AX	1	HONEYWELL
11		GCP33AN/5A	1	HONEYWELL
12		GCP33AN/7A	1	HONEYWELL
13	RELAY SOCKET	KLY2C	4	KACON
14	RELAY	LY-2N	4	OMRON
15	RELAY SOCKET	R4T-16P-S	1	KG AUTO
16	REMOTE CARD	AJ65SBTB1-32D1	5	mitsubishi
17		AJ65SBTB1-32T1	3	mitsubishi
18	TG-COM	XTB-COM20B	3	SAMWON ACT
19	T/B	DSTB-15A	70	DONG SEO
20				

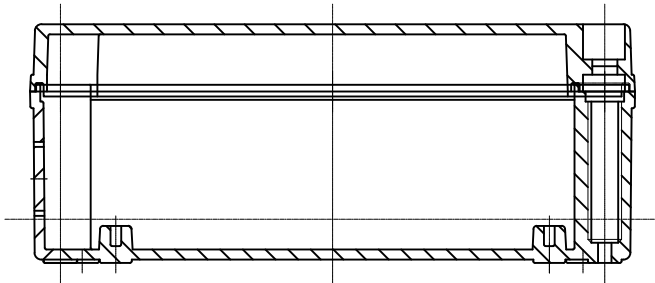
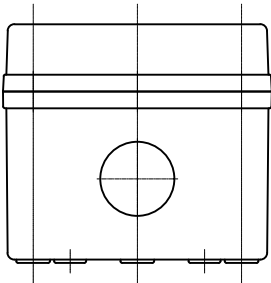
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DATE				DATE				DATE				DATE					
PROJECT		MASK LINE(A)										TITLE	MASK 설비				
UNIT	mm	SCALE	1/i	DATE		2020.04.06				MAIN PANEL							
DESIGN		CHECK		APPROVED													
		TOPTEC										DWG. NO	SNZ20009-MASK-100-02				
Y.D.J		A.Y.J		K.Y.J													

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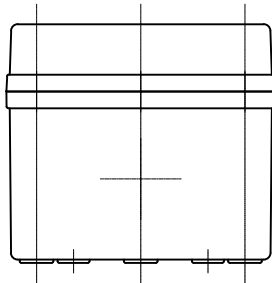
- *BC-AGS-081807 (20EA)
- *KGX-HMD21G (20EA)
- *KGX-HMD21R (20EA)
- *KGEX-N4RD21R (20EA)
- *KEG12Y (20EA)



*취부 홀



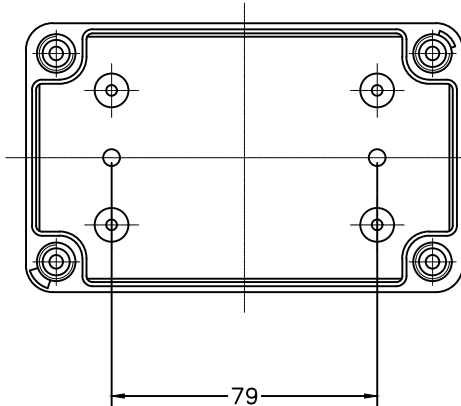
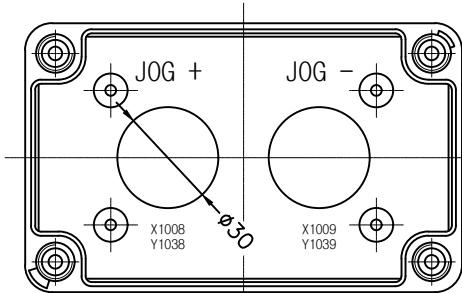
SECTION A-A



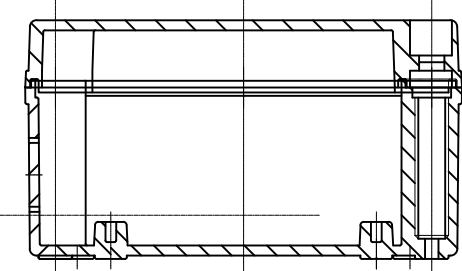
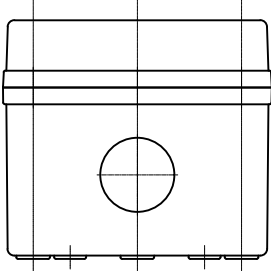
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DATE						DATE						DATE						DATE					
PROJECT		MASK LINE(A)										TITLE		MASK 설비									
UNIT	mm	SCALE	1/1	DATE			2020.04.06			TITLE													
		TOPTEC										DWG. NO		SNZ20009-MASK-100-03									
			Y.D.J			A.Y.J			K.Y.J														

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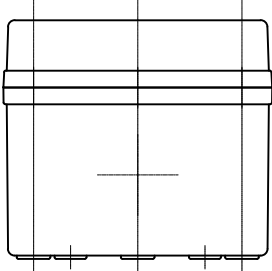
*BC-AGS-081307 (20EA)
*NF30-BM3C11 (40EA)



*취부 홀



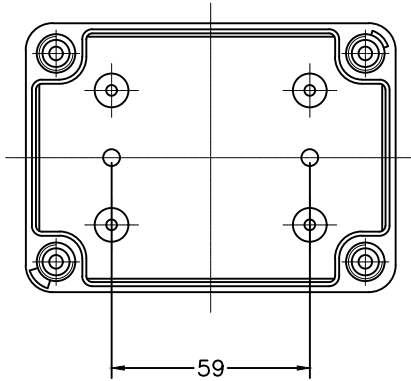
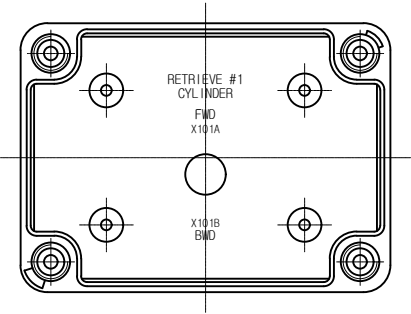
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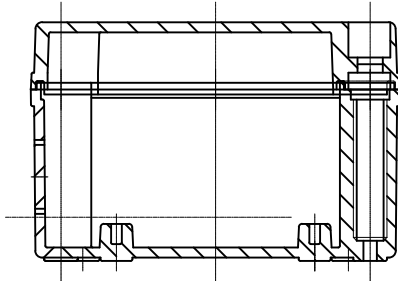
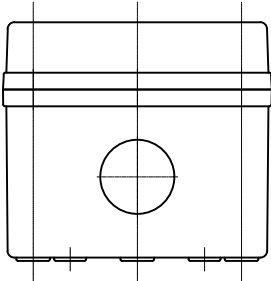
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DATE						DATE						DATE						DATE											
PROJECT						MASK LINE(A)												TITLE						MASK 설비					
UNIT		mm		SCALE		1/1		DATE		2020.04.06				DESIGN		CHECK								APPROVED		TITLE			
 TOPTEC						Y.D.J		A.Y.J		K.Y.J				DWG. NO		SNZ20009-MASK-100-04													

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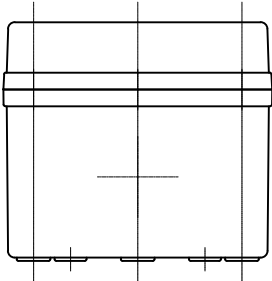
*BC-AGS-081107 (20EA)
*WJT-3310SMG (20EA)



*취부 홀



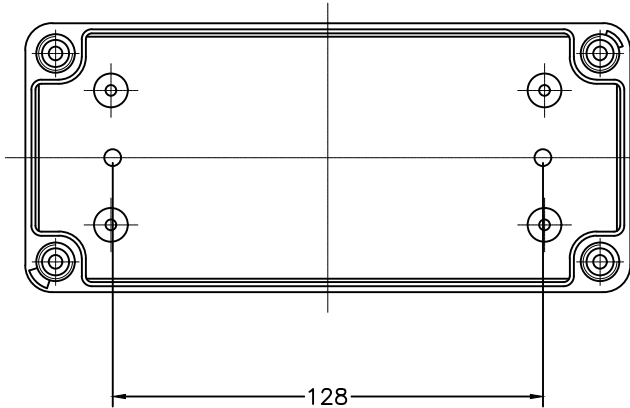
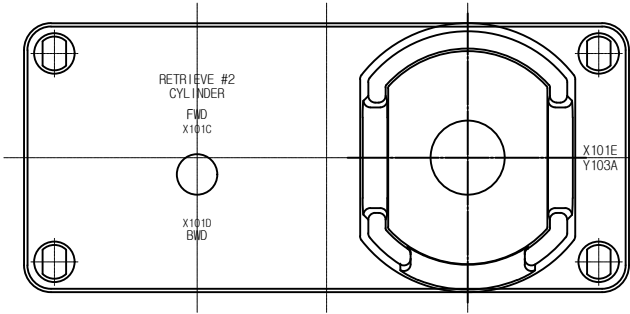
SECTION A-A



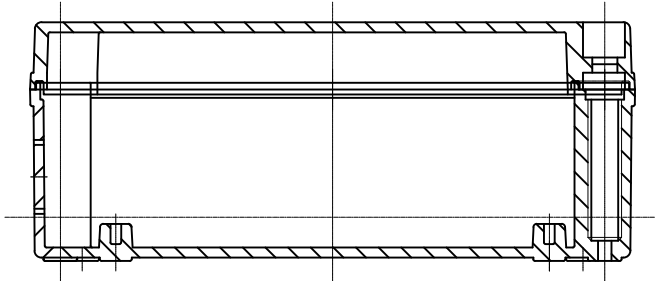
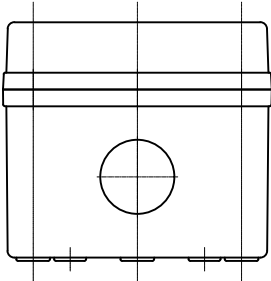
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DATE						DATE						DATE						DATE					
PROJECT						MASK LINE(A)						TITLE		MASK 설비									
UNIT		mm		SCALE		1/1		DATE		2020.04.06				DWG. NO		SNZ20009-MASK-100-05							
				DESIGN		CHECK		APPROVED															
				Y.D.J		A.Y.J		K.Y.J															
 TOPTEC																							

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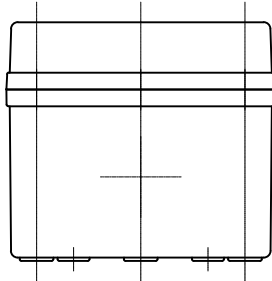
- *BC-AGS-081807 (20EA)
- *WJT-3310SMG (20EA)
- *KGEX-N4RD21R (20EA)
- *KEG12Y (20EA)



*취부 홀

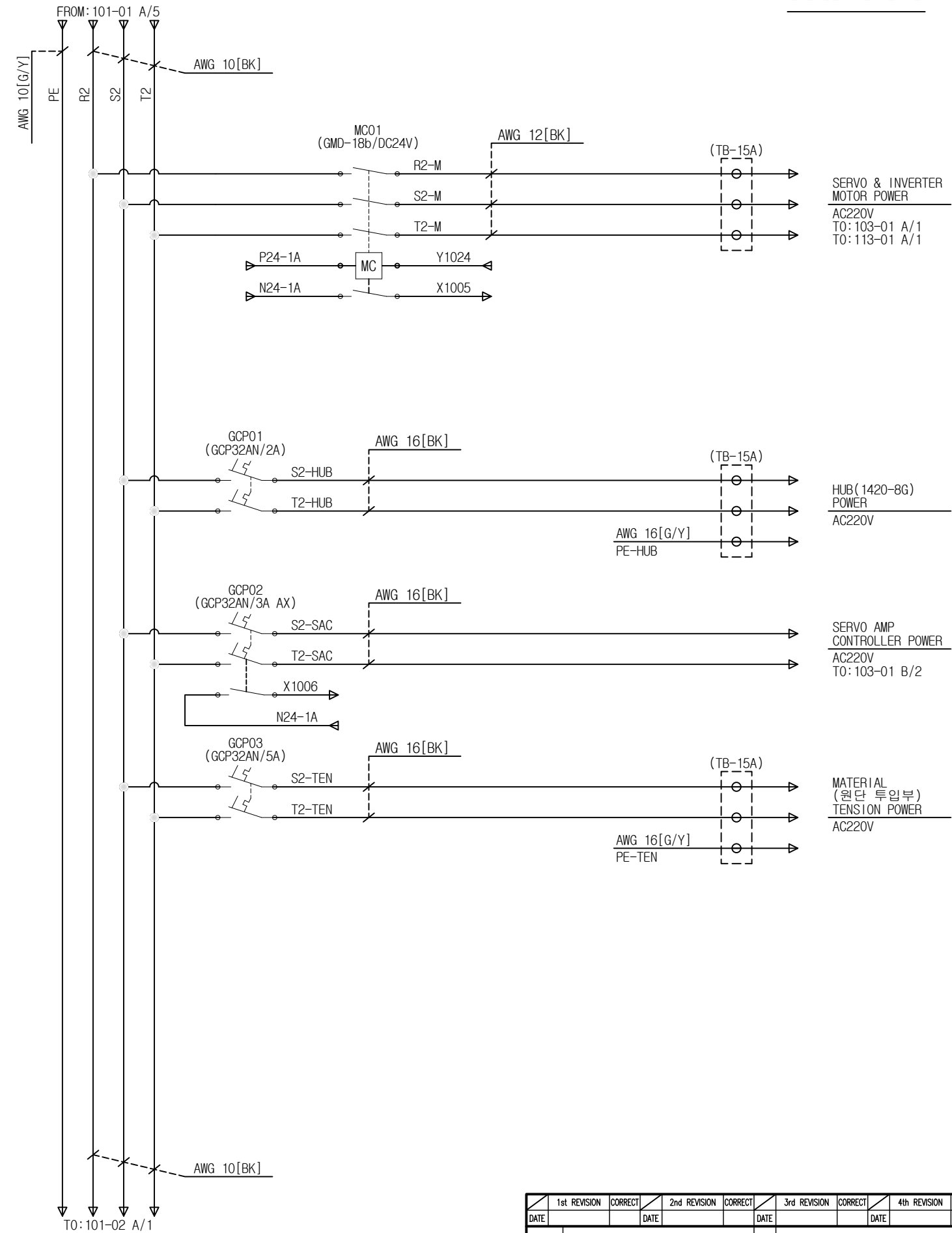
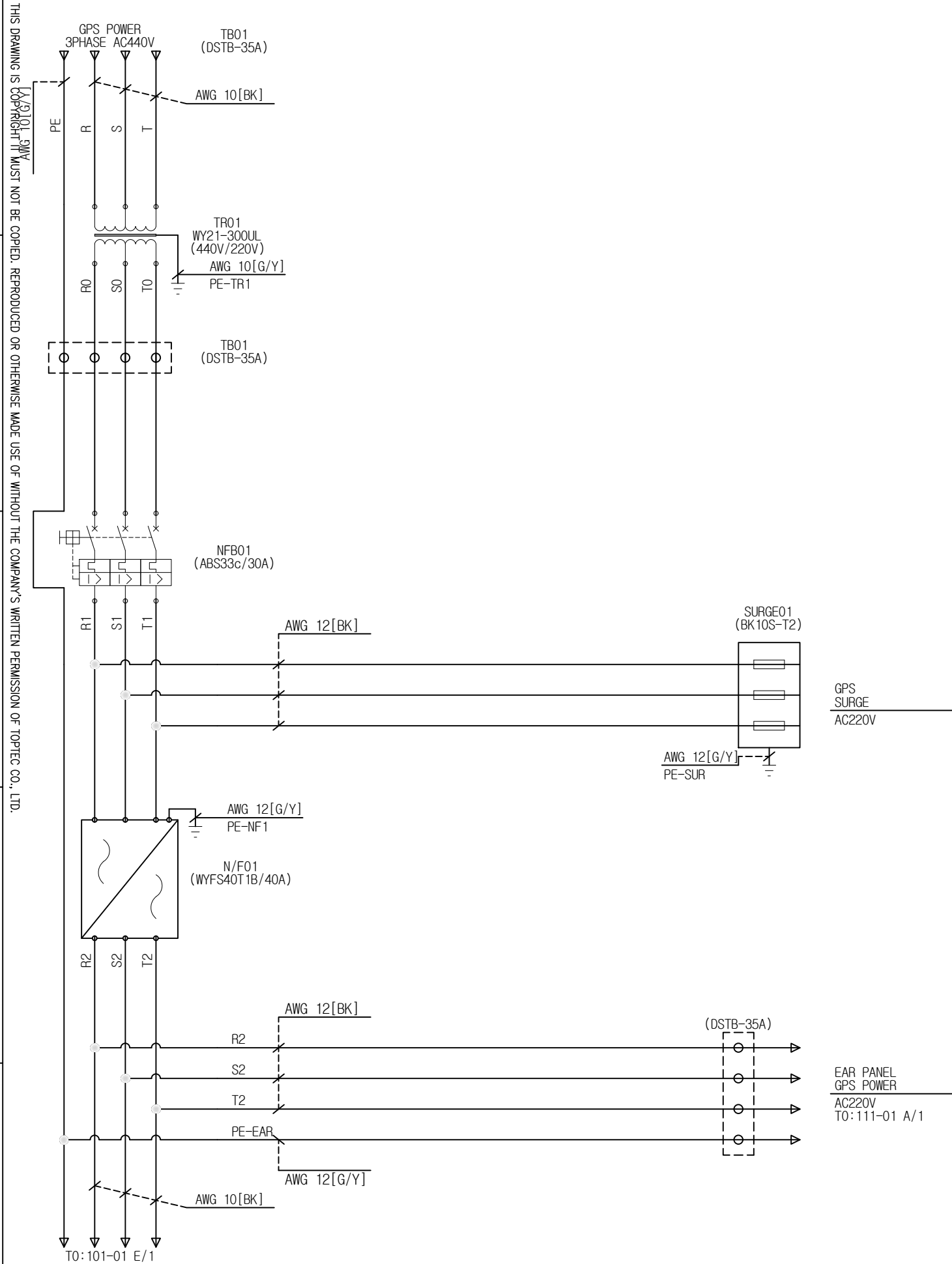


SECTION A-A



1st REVISION			CORRECT	2nd REVISION			CORRECT	3rd REVISION			CORRECT	4th REVISION			CORRECT
DATE				DATE				DATE				DATE			
PROJECT		MASK LINE(A)							TITLE		MASK 설비				
UNIT	mm	SCALE	1/1	DATE		2020.04.06		DESIGN	CHECK	APPROVED	TITLE				
Y.D.J		A.Y.J		K.Y.J		DWG. NO		SNZ20009-MASK-100-06							
		TOPTEC													

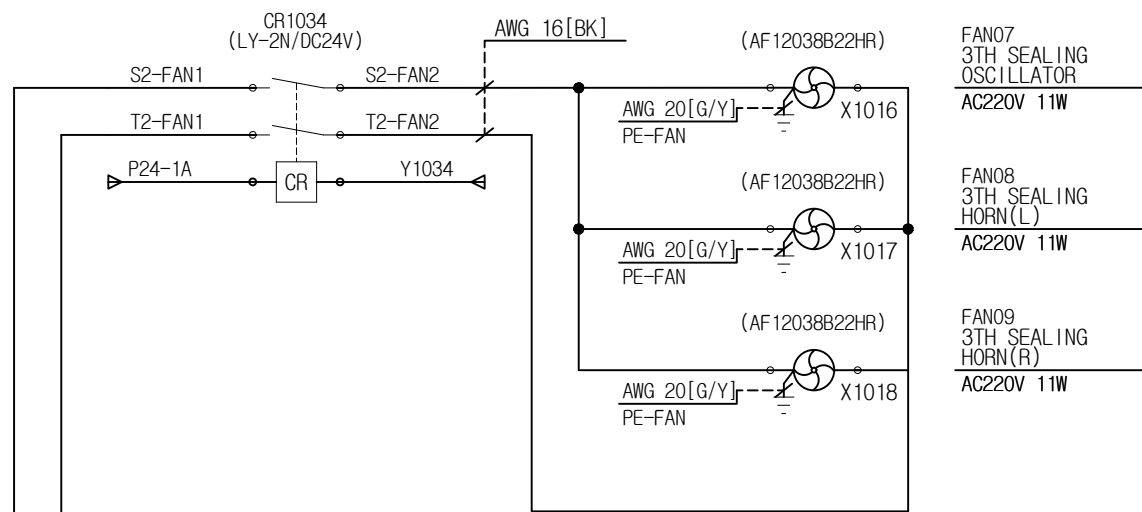
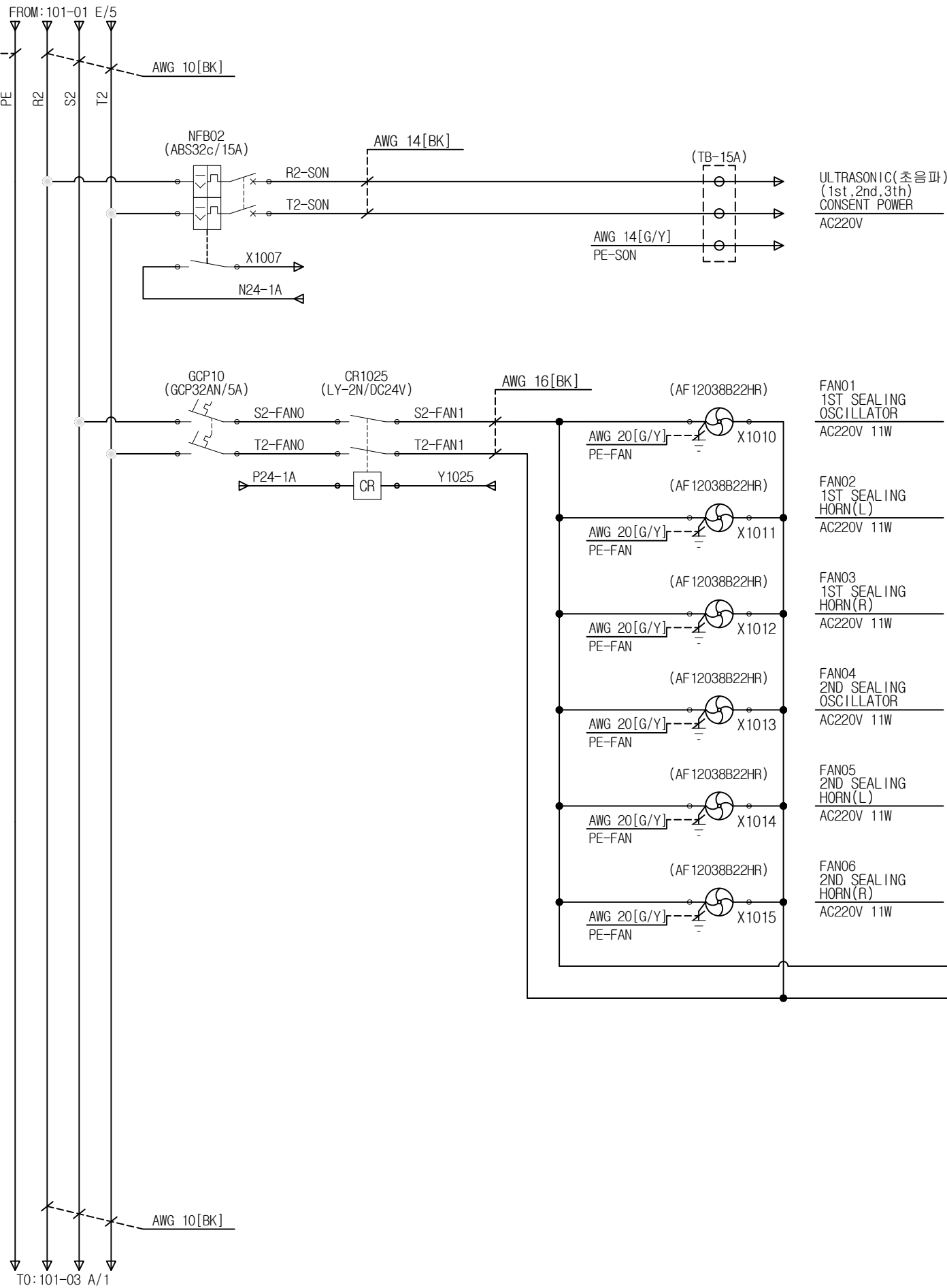
MAIN



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DATE						DATE						DATE					
PROJECT		MASK LINE(A)								TITLE		MASK 설비					
UNIT		mm		SCALE		1/i		DATE		2020.04.06		POWER CIRCUIT DIAGRAM 1					
		DESIGN		CHECK		APPROVED		DWG. NO									
		Y.D.J		A.Y.J		K.Y.J				SNZ20009-MASK-101-01							

MAIN

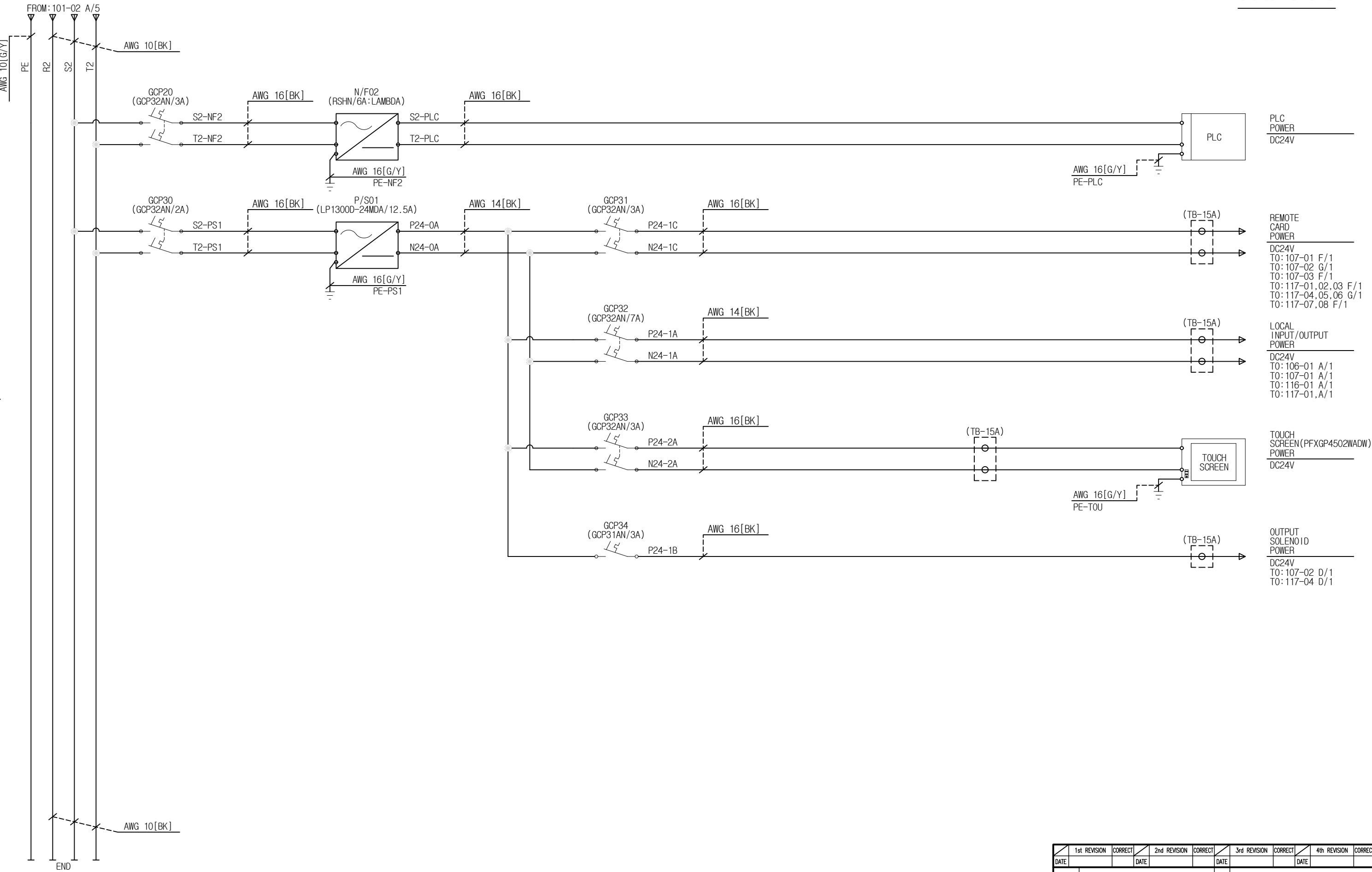
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1st REVISION			CORRECT	2nd REVISION			CORRECT	3rd REVISION			CORRECT	4th REVISION			CORRECT
DATE				DATE				DATE				DATE			
PROJECT		MASK LINE(A)							TITLE		MASK 설비				
UNIT	mm	SCALE	1/i	DATE		2020.04.06		DWG. NO		POWER CIRCUIT DIAGRAM 2					
				DESIGN	CHECK	APPROVED									
 TOPTEC				Y.D.J		A.Y.J		K.Y.J		SNZ20009-MASK-101-02					

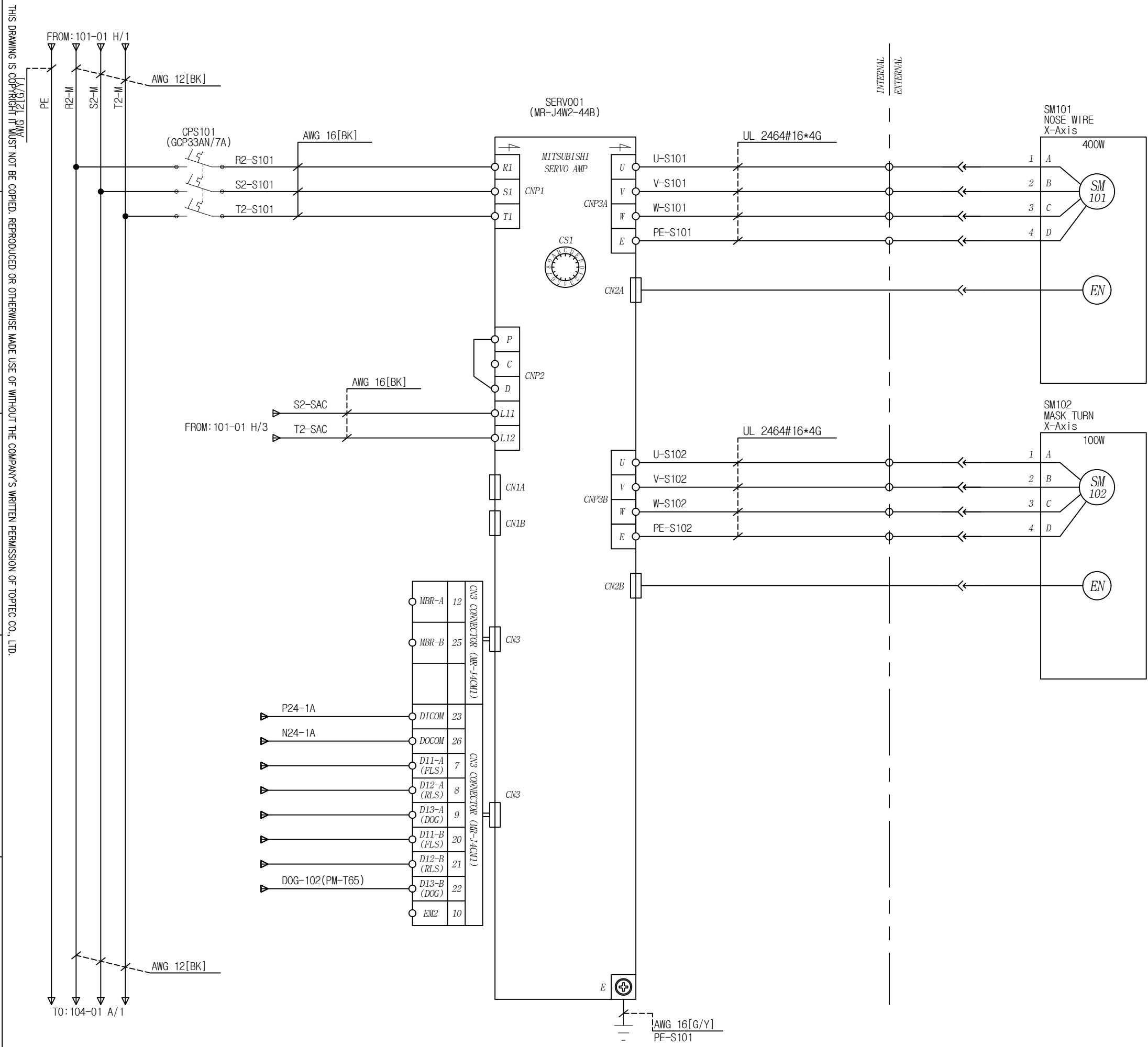
MAIN

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1st REVISION		CORRECT	2nd REVISION		CORRECT	3rd REVISION		CORRECT	4th REVISION		CORRECT
DATE			DATE			DATE			DATE		
PROJECT MASK LINE(A)						TITLE MASK 설비					
UNIT	mm	SCALE	1/1	DATE	2020.04.06	POWER CIRCUIT DIAGRAM 3					
DESIGN		CHECK	APPROVED	DATE		DWG. NO		SNZ20009-MASK-101-03			
Y.D.J		A.Y.J	K.Y.J								

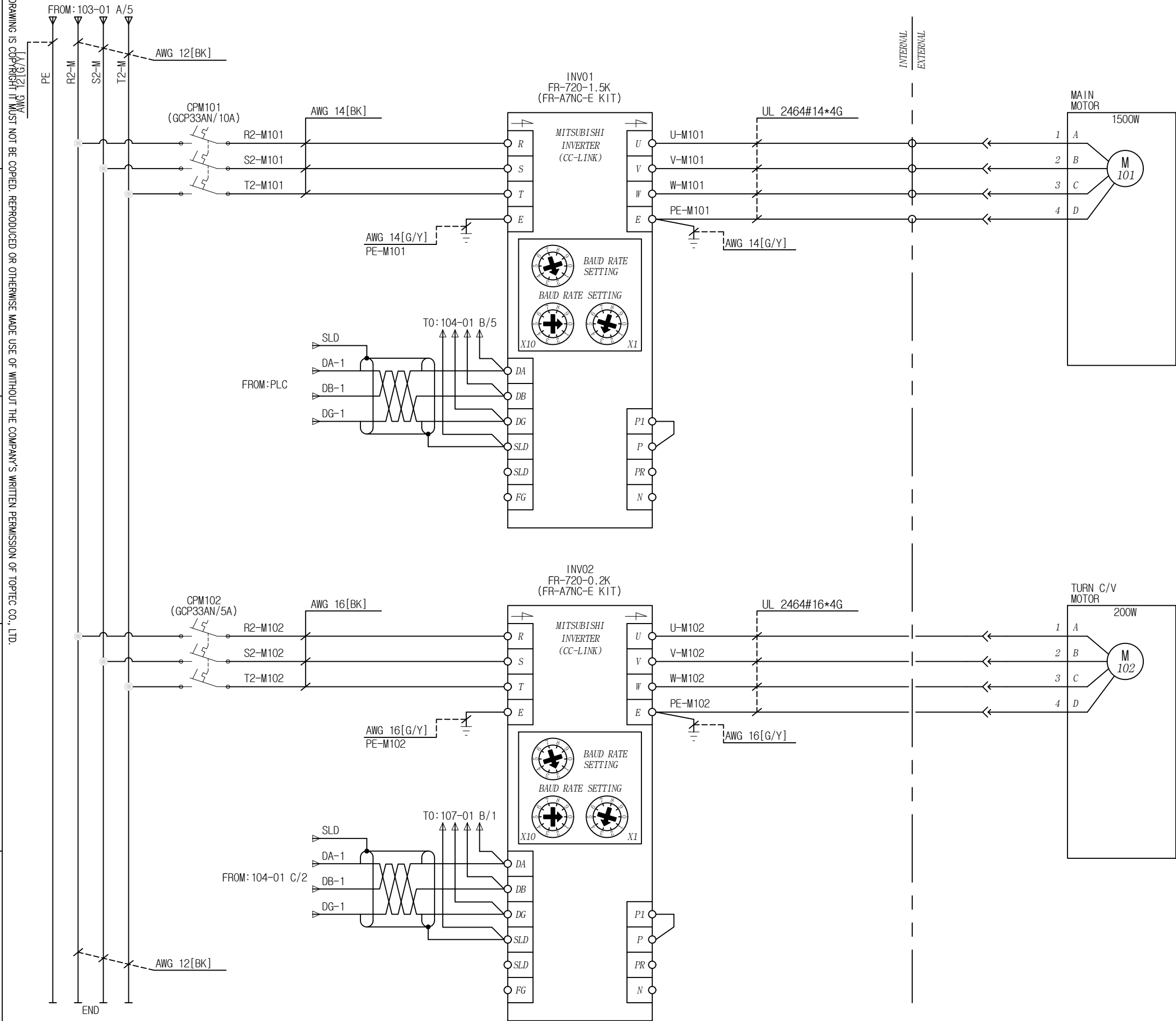
MAIN



	1st REVISION	CORRECT		2nd REVISION	CORRECT		3rd REVISION	CORRECT		4th REVISION	CORRECT
DATE			DATE			DATE			DATE		
PROJECT MASK LINE(A)						TITLE MASK 설비					
UNIT	mm	SCALE	1/1	DATE	2020_04_06		SERVO CIRCUIT DIAGRAM 1				
				DESIGN	CHECK	APPROVED					
 TOPTEC				Y.D.J	A.Y.J	K.Y.J	DWG. NO SNZ20009-MASK-103-01				

MAIN

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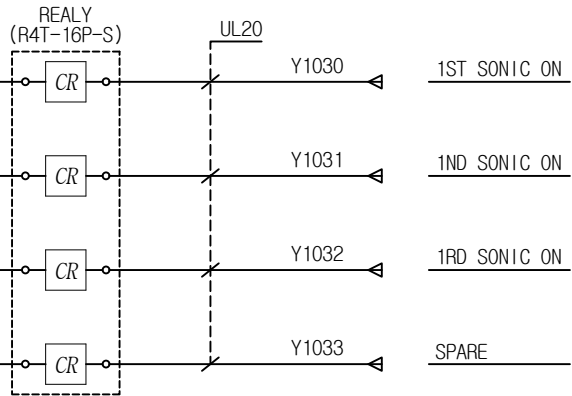


1st REVISION			CORRECT	2nd REVISION			CORRECT	3rd REVISION			CORRECT	4th REVISION			CORRECT
DATE				DATE				DATE				DATE			
PROJECT		MASK LINE(A)						TITLE		MASK 설비					
UNIT	mm	SCALE	1/1	DATE		2020.04.06		INVERTER CIRCUIT DIAGRAM 1							
				DESIGN	CHECK	APPROVED									
 TOPTEC				Y.D.J	A.Y.J	K.Y.J	DWG. NO		SNZ20009-MASK-104-01						

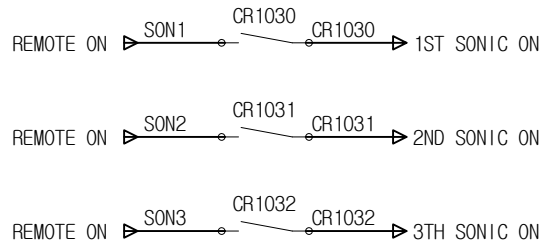
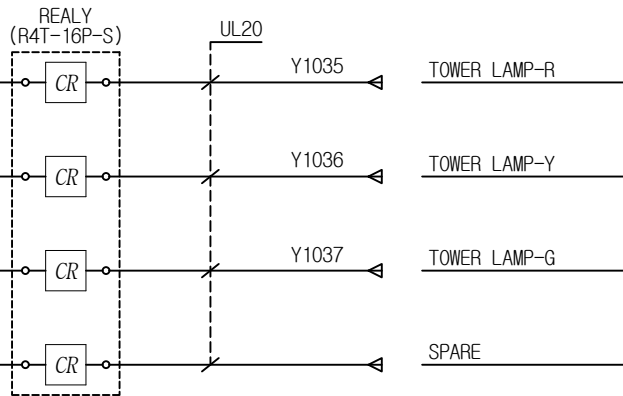
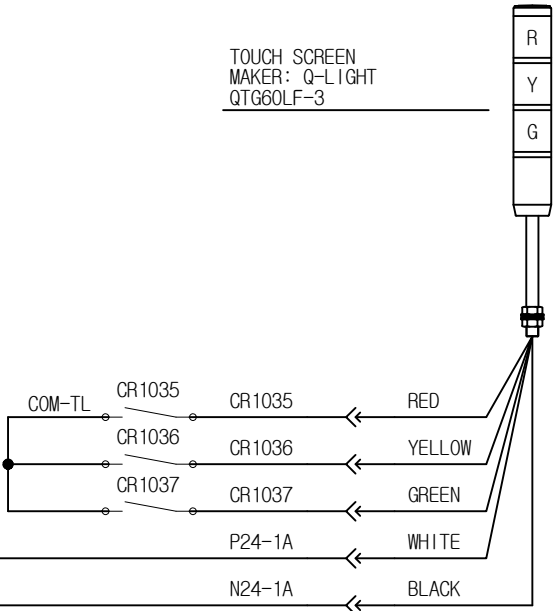
MAIN

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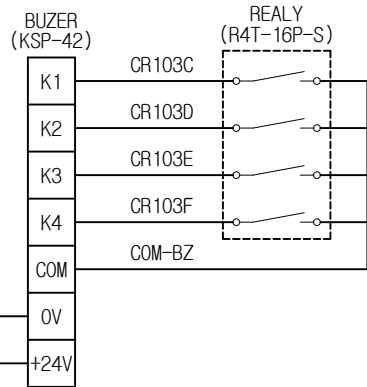
FROM: 101-03 H/3
PE
P24-1A
N24-1A
TO: 106-01 E/1



TOUCH SCREEN
MAKER: Q-LIGHT
QTG60LF-3



FROM: 106-01 A/5
PE
P24-1A
N24-1A
END

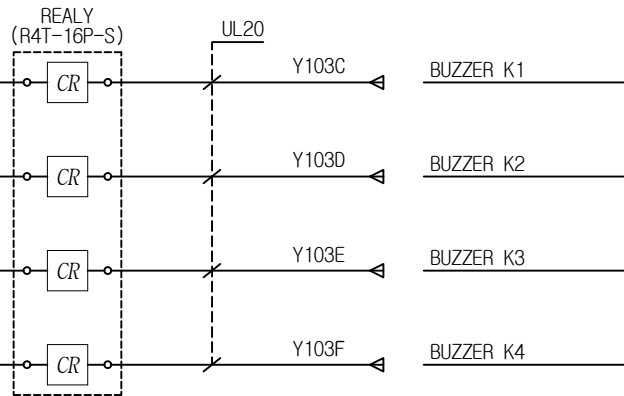
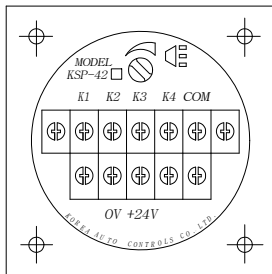


BUZZER K1

BUZZER K2

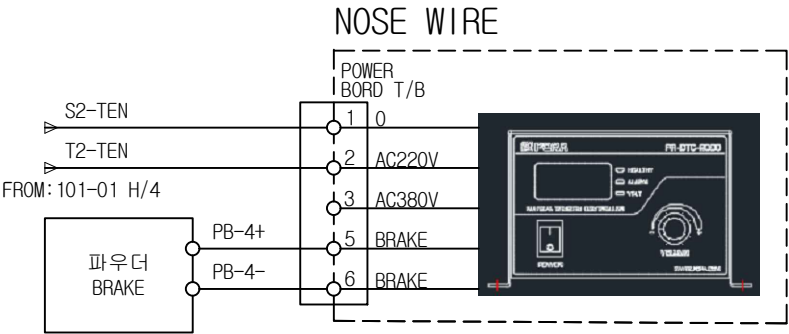
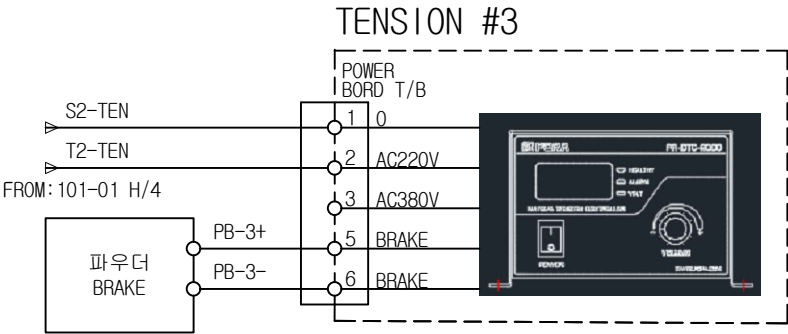
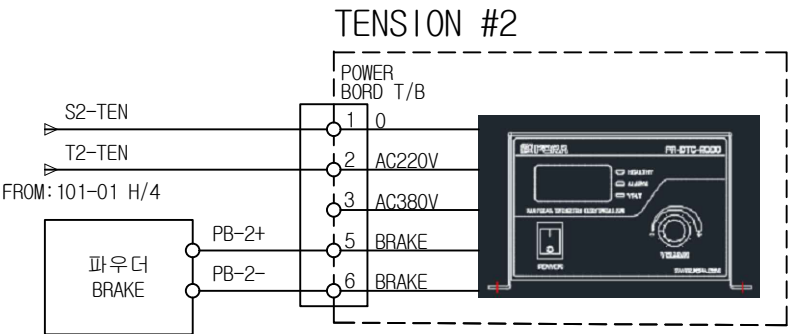
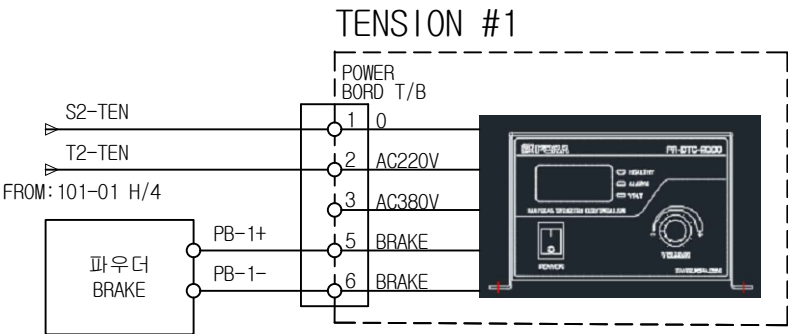
BUZZER K3

BUZZER K4



1st REVISION		CORRECT	2nd REVISION		CORRECT	3rd REVISION		CORRECT	4th REVISION		CORRECT
DATE	-	-	DATE	-	-	DATE	-	-	DATE	-	-
PROJECT		MASK LINE(A)					TITLE	MASK 설비			
UNIT	mm	SCALE	1/1	DATE		2020.04.06		TOWER & BUZZER CIRCUIT			
DESIGN		CHECK		APPROVED							
Y.D.J		A.Y.J		K.Y.J		DWG. NO		SNZ20009-MASK-106-01			
		TOPTEC									

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1st REVISION			CORRECT			2nd REVISION			CORRECT			3rd REVISION			CORRECT			4th REVISION			CORRECT				
DATE						DATE						DATE						DATE							
PROJECT		MASK LINE(A)										TITLE		MASK 설비											
UNIT		mm		SCALE		1/1		DATE		2020.04.06		DESIGN		CHECK		APPROVED		DWG. NO		RENSION CIRCUIT					
TOPTEC																									
												Y.D.J		A.Y.J		K.Y.J				SNZ20009-MASK-106-02					

MAIN

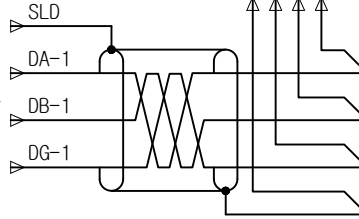
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FROM: 101-03 H/3

P24-1A

N24-1A

FROM: 104-01 C/4



TO: 107-02 C/1

INPUT CARD		AJ65SBTB1-32D1	
STATION NO.		1	
01	DA	CC-LINK COMM DATA_A	
02	DB	CC-LINK COMM DATA_B	
03	DG	CC-LINK COMM DATA_G	
04	SHIELD	CC-LINK COMM SHIELD	
TB.No	ADDRESS	DESCRIPTION	
X0	X1000	TOUCH SCREEN POWER ON S/W	
X1	X1001	TOUCH SCREEN POWER OFF S/W	
X2	X1002	TOUCH SCREEN START S/W	
X3	X1003	TOUCH SCREEN STOP S/W	
X4	X1004	TOUCH SCREEN EMERGENCY STOP	
X5	X1005	MAIN POWER MC ON	
X6	X1006	SERVO CONTROL POWER CP TRIP	
X7	X1007	ULTRASONIC(초음파) CONTROL POWER NFB TRIP (MOULDING PART ULTRASONIC BREAKER ON)	
X8	X1008	MAIN C/V JOG +	이동 S/W BOX
X9	X1009	MAIN C/V JOG -	이동 S/W BOX
XA	X100A	RETRIEVE #1(회수) TRIM(끈) DETECT(L)	
XB	X100B	RETRIEVE #1(회수) TRIM(끈) DETECT(R)	
XC	X100C	RETRIEVE #2(회수) TRIM(끈) DETECT(L)	
XD	X100D	RETRIEVE #2(회수) TRIM(끈) DETECT(R)	
XE	X100E		
XF	X100F	MOULDING(성형부) AIR ON	
COM	COM	COMMON (+24V)	

FROM: 107-01 A/5

P24-1A

N24-1A

FROM: 101-03 H/2

P24-1C

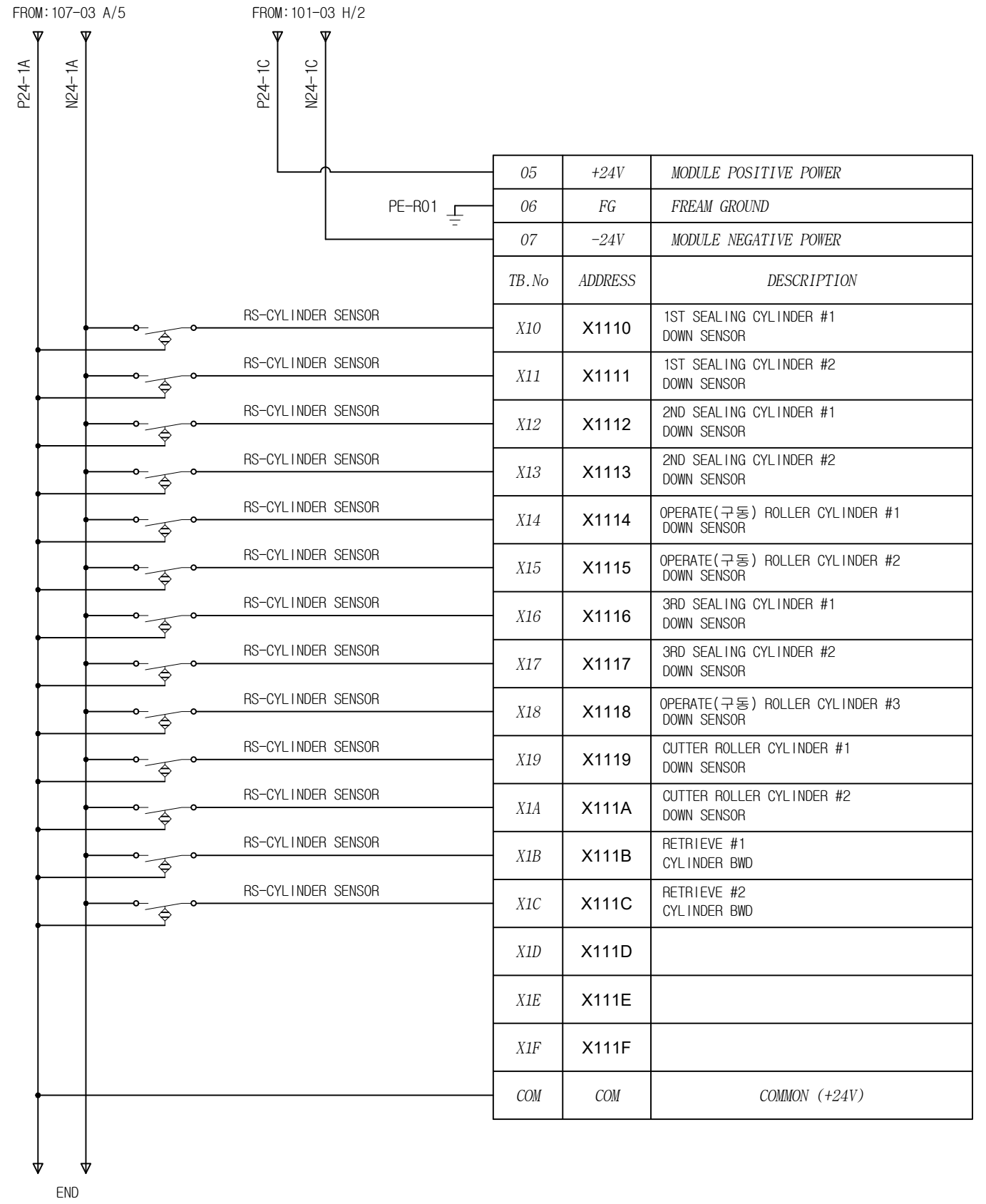
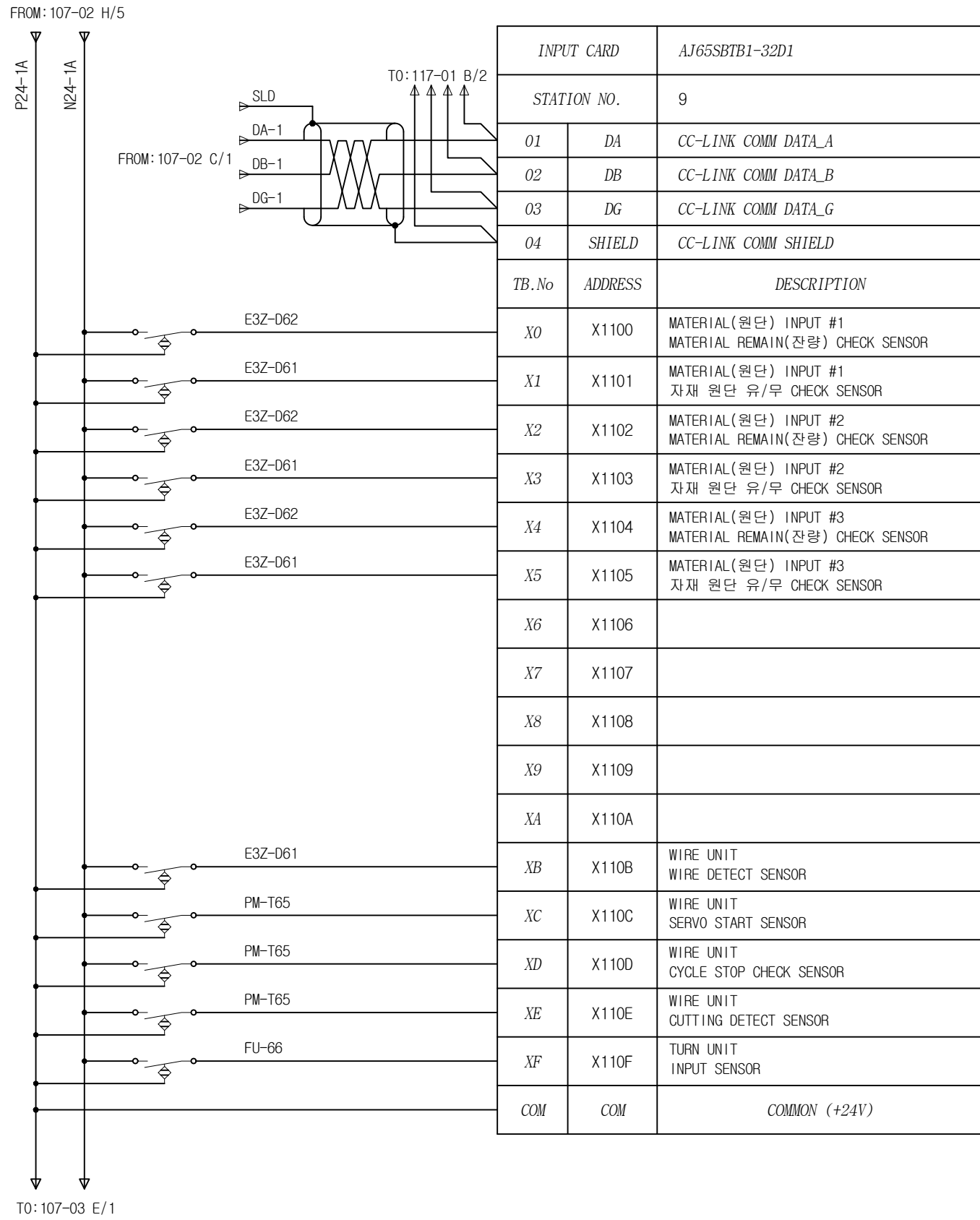
N24-1C

PE-R01

05	+24V	MODULE POSITIVE POWER	
06	FG	FREAM GROUND	
07	-24V	MODULE NEGATIVE POWER	
TB.No	ADDRESS	DESCRIPTION	
X10	X1010	FAN 01 1ST SEALING OSCILLATOR(발진기)	
X11	X1011	FAN 02 1ST SEALING HORN-L	
X12	X1012	FAN 03 1ST SEALING HORN-R	
X13	X1013	FAN 04 2ND SEALING OSCILLATOR(발진기)	
X14	X1014	FAN 05 2ND SEALING HORN-L	
X15	X1015	FAN 06 2ND SEALING HORN-R	
X16	X1016	FAN 07 3TH SEALING OSCILLATOR(발진기)	
X17	X1017	FAN 08 3TH SEALING HORN-L	
X18	X1018	FAN 09 3TH SEALING HORN-R	
X19	X1019		
X1A	X101A	RETRIEVE #1(회수) CYLINDER FWD	
X1B	X101B	RETRIEVE #1(회수) CYLINDER BWD	
X1C	X101C	RETRIEVE #2(회수) CYLINDER FWD	
X1D	X101D	RETRIEVE #2(회수) CYLINDER BWD	
X1E	X101E	RETRIEVE #2(회수) EMERGENCY STOP	
X1F	X101F		
COM	COM	COMMON (+24V)	

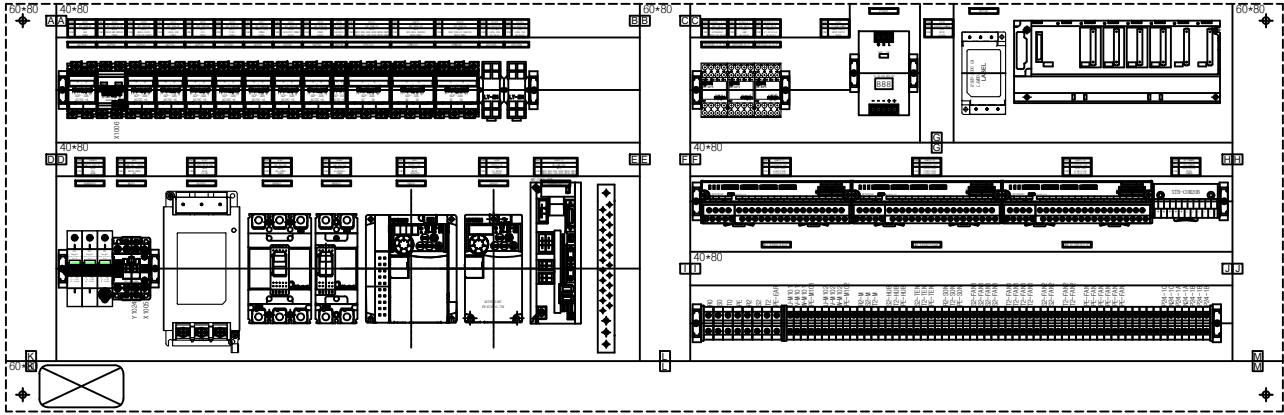
TO: 107-02 D/1

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DATE	-		-		DATE	-		-		DATE	-		-		-		
PROJECT			MASK LINE(A)							TITLE		MASK 설비					
UNIT		mm		SCALE		1/1		DATE				2020.04.06		REMOTE CARD 1			
 TOPTEC					DESIGN		CHECK		APPROVED		DWG. NO.		SNZ20009-MASK-107-01				
					Y.D.J		A.Y.J		K.Y.J								



	1st REVISION	CORRECT		2nd REVISION	CORRECT		3rd REVISION	CORRECT		4th REVISION	CORRECT
DATE		-	DATE	-	-	DATE	-	-	DATE	-	-
PROJECT MASK LINE(A)						TITLE	MASK 설비				
UNIT	mm	SCALE	1/2	DATE	2020.04.06		REMOTE CARD 3				
 TOPTEC				DESIGN	CHECK		APPROVED	DWG. NO SNZ20009-MASK-107-03			
				Y, D, J	A, Y, J	K, Y, J					

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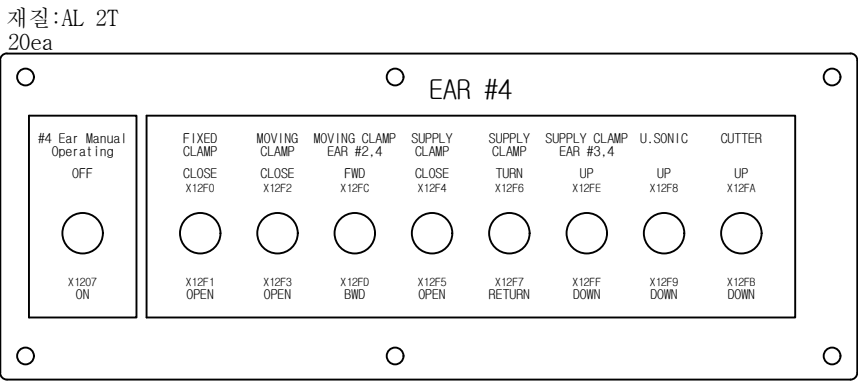
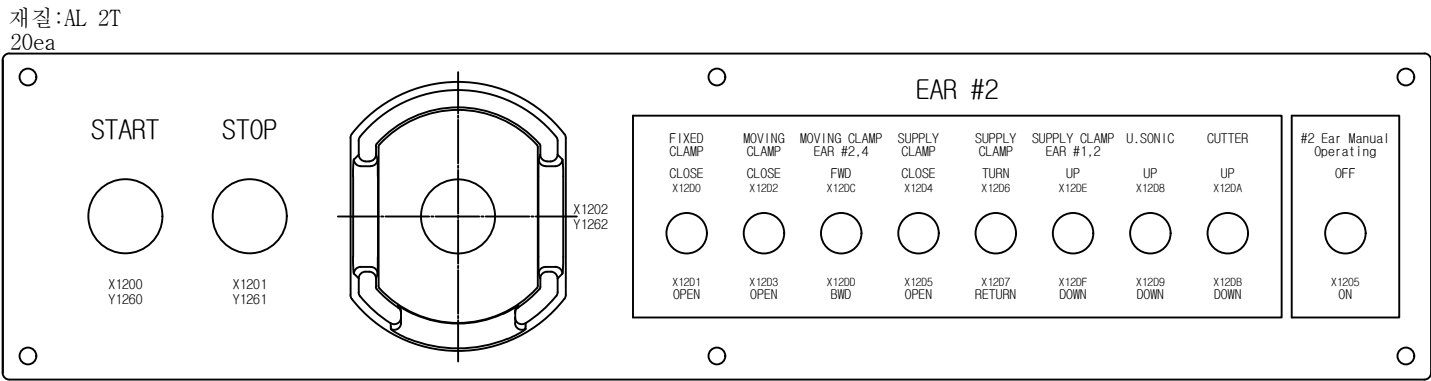
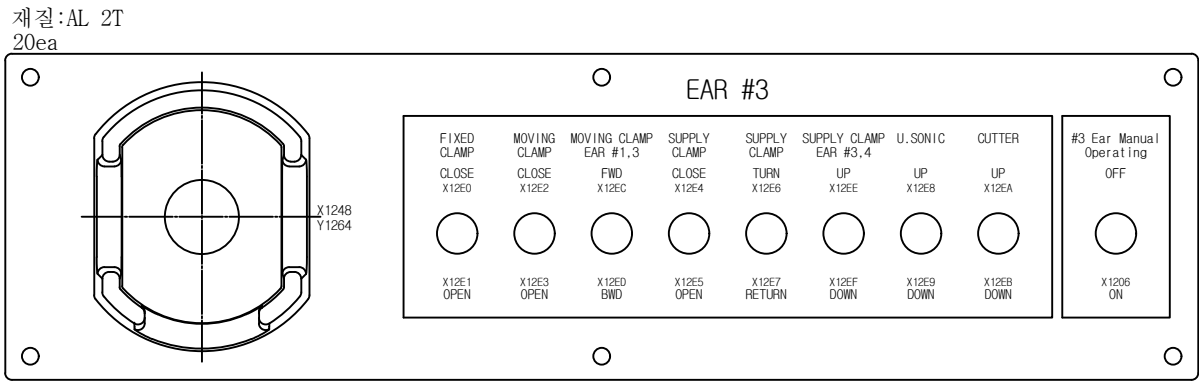
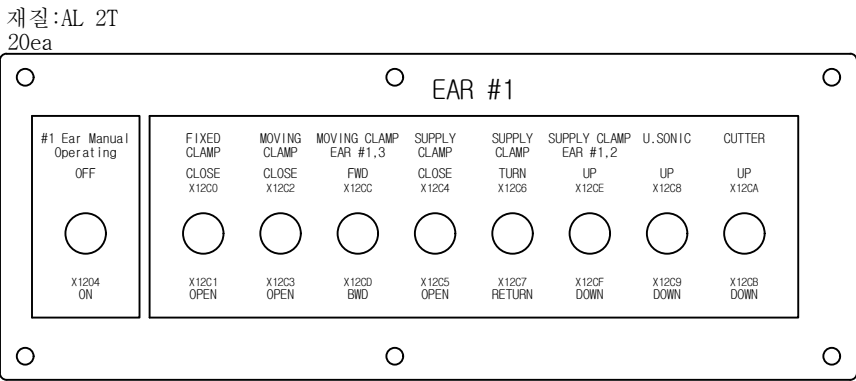


NO.	SYMBOL	SPECIFICATION	Q'TY	MAKER
1	MCCB	ABS 33c/30A	1	LS
2	MCCB	ABS 32c/15A	1	LS
3	SERVO AMP	MR-J4W2-44B	1	mitsubishi
4	SURGE	BK10S-T2	1	LS
5	M/C	GMD-18B/DC24V	1	LS
6	NOISE FILTER	WYFS40T1B/40A	1	WOON YOUNG
7		RSHN/6A	1	LAMBDA
8	POWER SUPPLY	LP1300D-24M	1	GREEN POWER
9	INVERTER	FR-720-1.5K	1	mitsubishi
10		FR-720-0.2K	1	mitsubishi
11		FR-A7NC-E KIT	2	mitsubishi
12	PLC BASE	Q35B	1	mitsubishi
13	C/P	GCP31AN/3A	1	HONEYWELL
14		GCP32AN/2A	2	HONEYWELL
15		GCP32AN/3A	3	HONEYWELL
16		GCP32AN/5A	2	HONEYWELL
17		GCP32AN/7A	1	HONEYWELL
18		GCP32AN/3A AX	1	HONEYWELL
19		GCP33AN/5A	1	HONEYWELL
20		GCP33AN/7A	1	HONEYWELL
21		GCP33AN/10A	1	HONEYWELL
22	RELAY SOCKET	KLY2C	2	KACON
23	RELAY	LY-2N	2	OMRON
24	RELAY SOCKET	R4T-16P-S	3	KG AUTO
25	REMOTE CARD	AJ65SBTB1-32D1	2	mitsubishi
26		AJ65SBTB1-32T1	1	mitsubishi
27	TG-COM	XTB-COM20B	1	SAMWON ACT
28	T/B	DSTB-15A	60	DONG SEO
29		DSTB-35A	8	DONG SEO
30				

1st REVISION			CORRECT			2nd REVISION			CORRECT			3rd REVISION			CORRECT			4th REVISION			CORRECT		
DATE						DATE						DATE						DATE					
PROJECT						MASK LINE(A)						TITLE		MASK 설비									
UNIT		mm		SCALE		1/i		DATE		2020.04.06				EAR PANEL									
 TOPTEC						DESIGN		CHECK		APPROVED		DWG. NO		SNZ20009-MASK-110-02									
						Y.D.J		A.Y.J		K.Y.J													

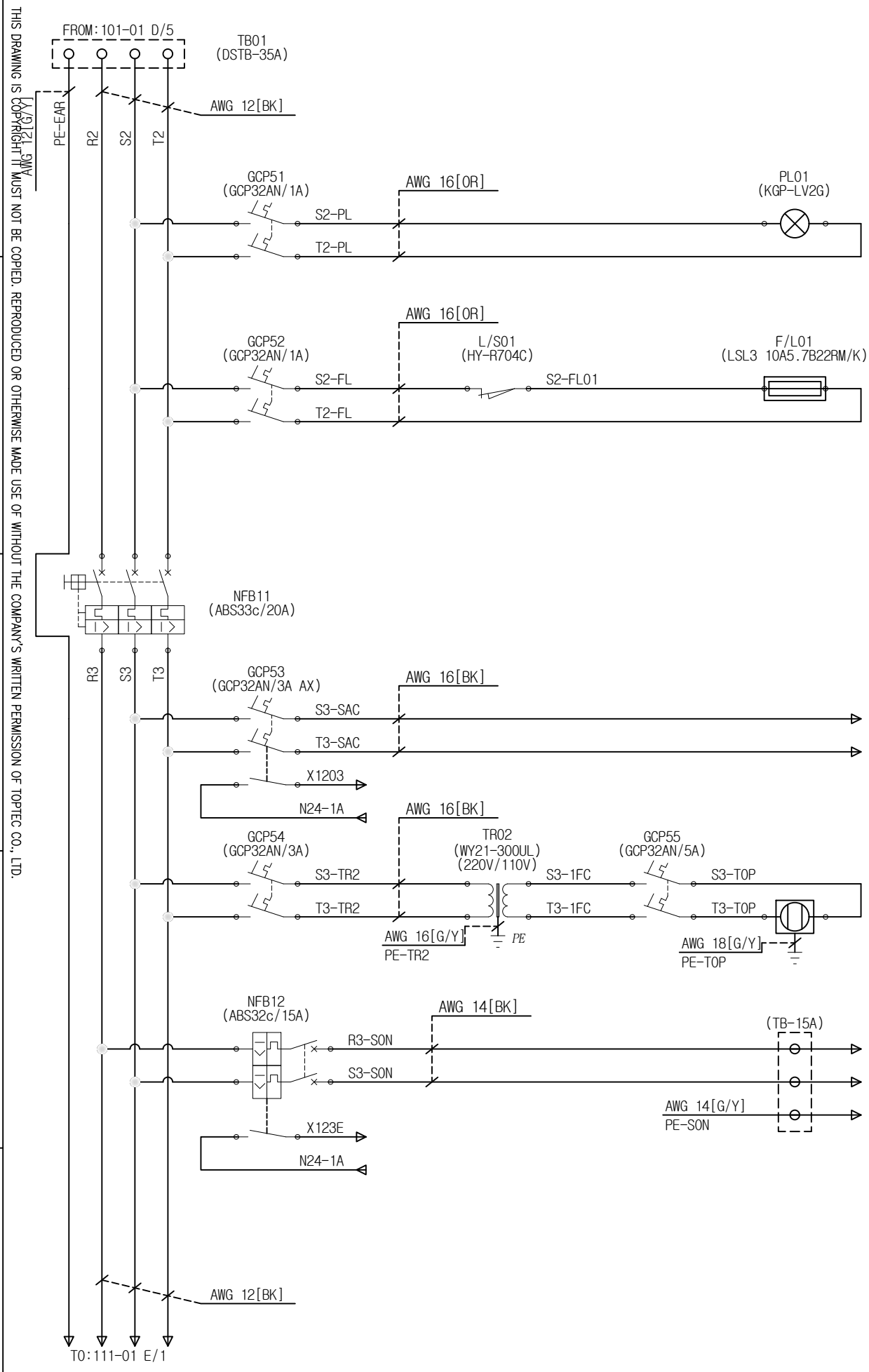
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- *WJT-3310SMG (480EA)
- *KGX-HMD21G (20EA)
- *KGX-HMD21R (20EA)
- *KGEX-N4RD21R (40EA)
- *KEG12Y (40EA)



1st REVISION			CORRECT	2nd REVISION			CORRECT	3rd REVISION			CORRECT	4th REVISION			CORRECT
DATE				DATE				DATE				DATE			
PROJECT		MASK LINE(A)						TITLE		MASK 설비					
UNIT	mm	SCALE	1/1	DATE		2020.04.06				TITLE					
 TOPTEC				DESIGN		CHECK		APPROVED		DWG. NO		SNZ20009-MASK-110-03			
				Y.D.J		A.Y.J		K.Y.J							

EAR



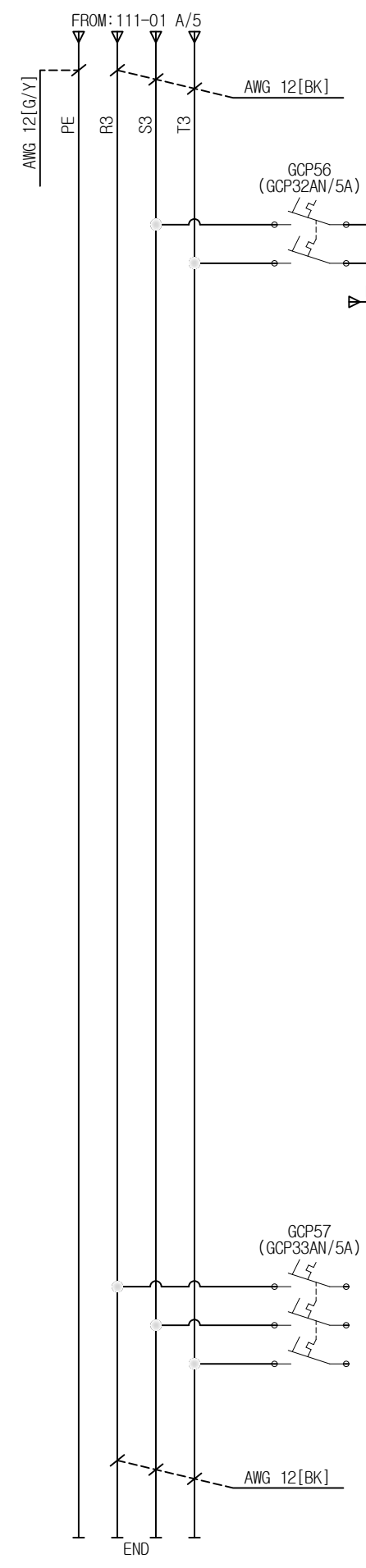
EAR PANEL POWER LAMP
AC220V

EAR PANEL LED FLOURESCENT LAMP
AC220V

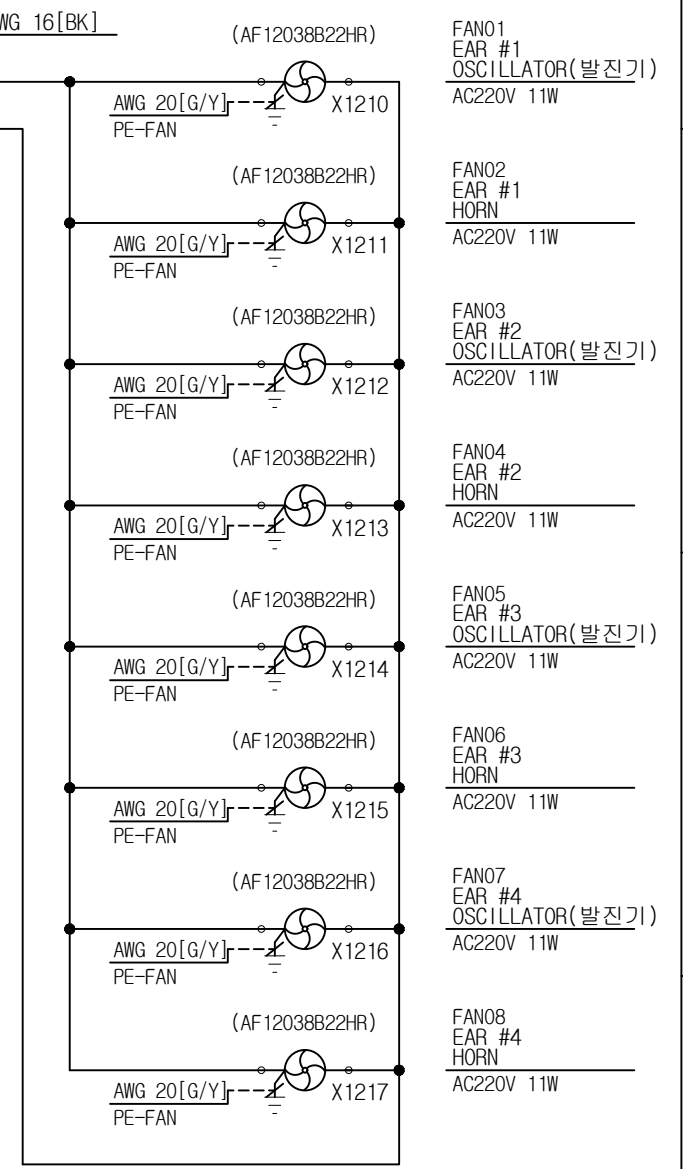
SERVO AMP
CONTROLLER POWER
AC220V
TO: 113-01 B/2

EAR PANEL
CONSENT POWER
AC110V

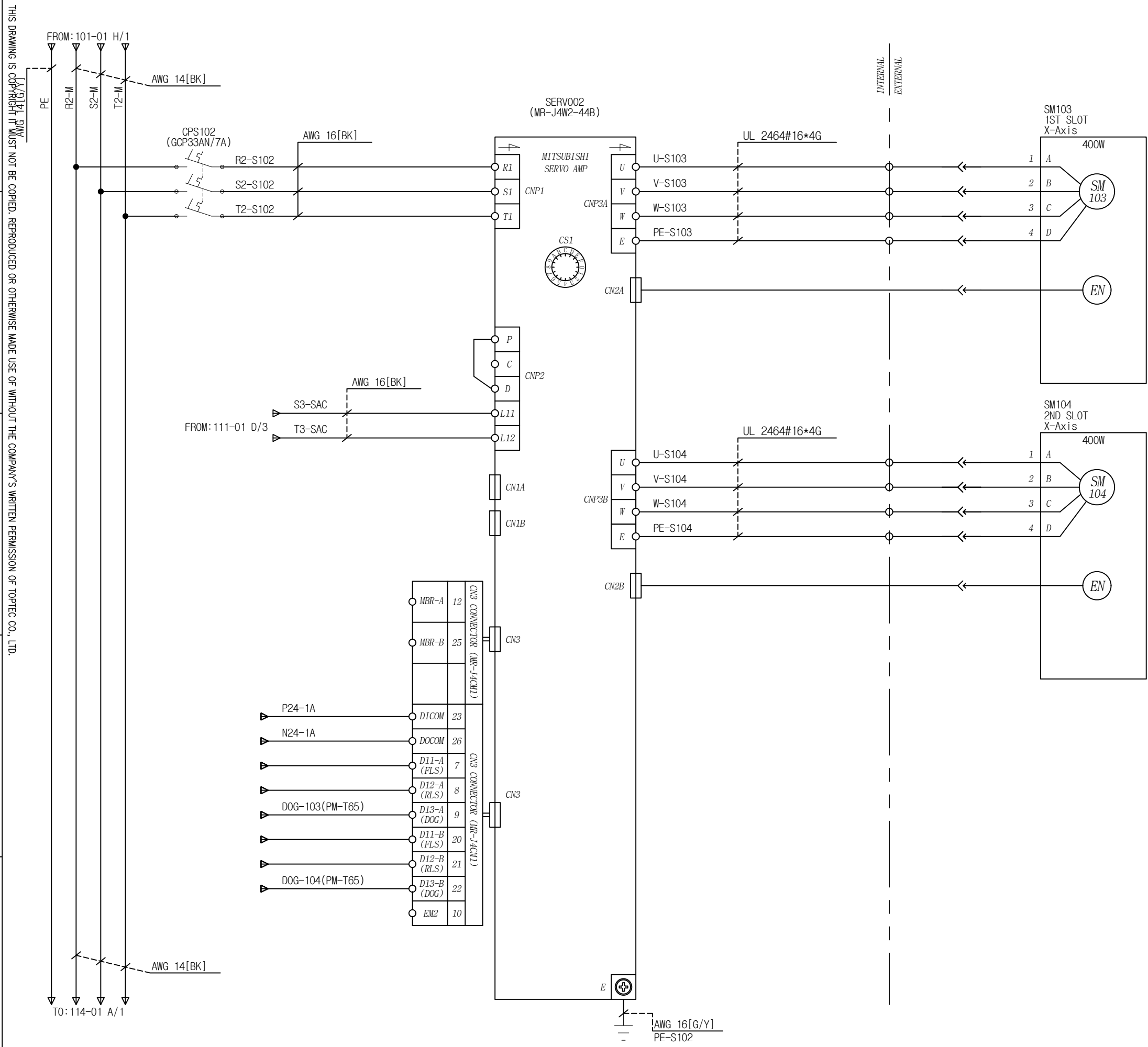
ULTRASONIC(초음파)
(EAR#1,2,3,4)
CONSENT POWER
AC220V



집진기 추가시 적용

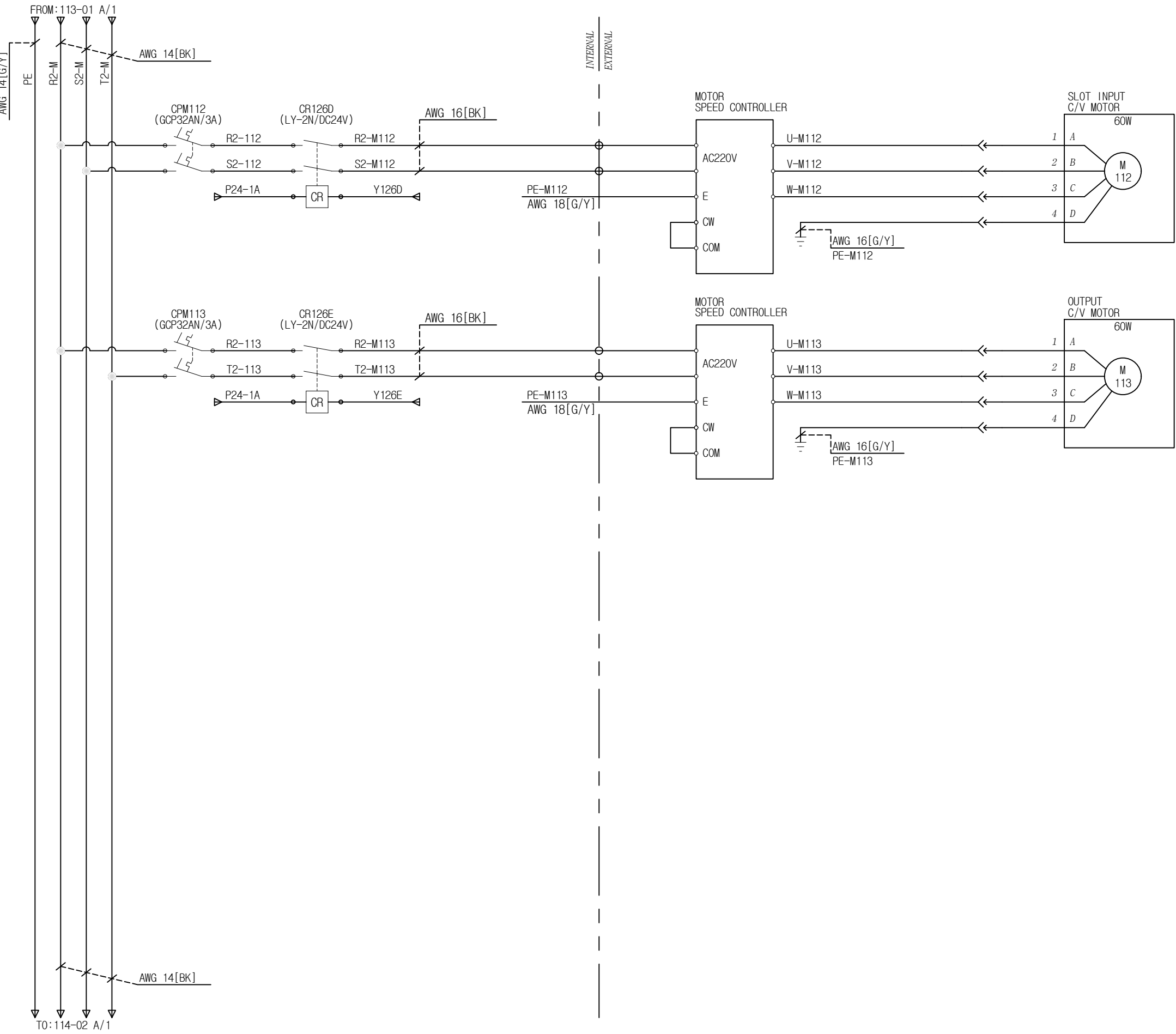


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DATE			DATE			DATE			DATE		
PROJECT	MASK LINE(A)					TITLE	MASK 설비				
UNIT	mm	SCALE	1/1	DATE	2020.04.06	POWER CIRCUIT DIAGRAM 1					
TOPTEC			DESIGN	CHECK	APPROVED						
			Y.D.J	A.Y.J	K.Y.J						



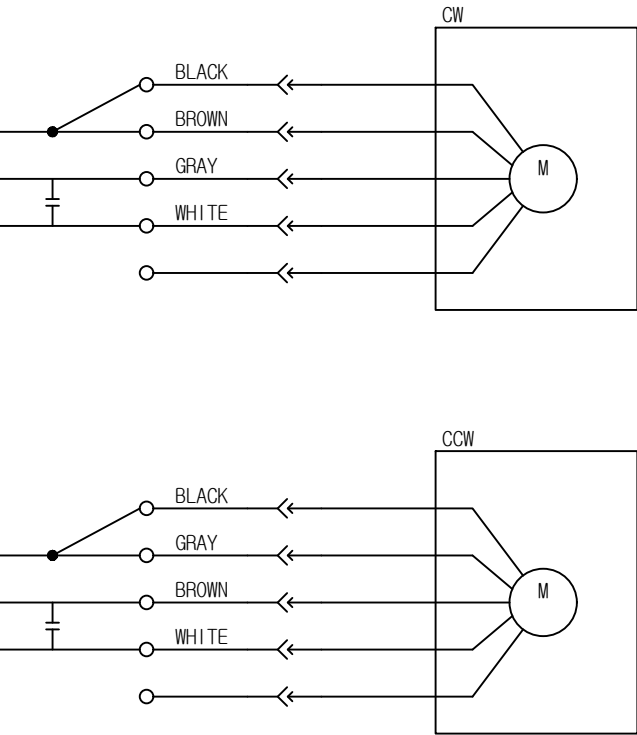
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DATE			DATE			DATE			DATE		
PROJECT MASK LINE(A)						TITLE MASK 설비					
UNIT	mm	SCALE	1/1	DATE	2020_04_06		SERVO CIRCUIT DIAGRAM 1				
				DESIGN	CHECK	APPROVED					
 TOPTEC				Y.D.J	A.Y.J	K.Y.J	DWG. NO SNZ20009-MASK-113-01				

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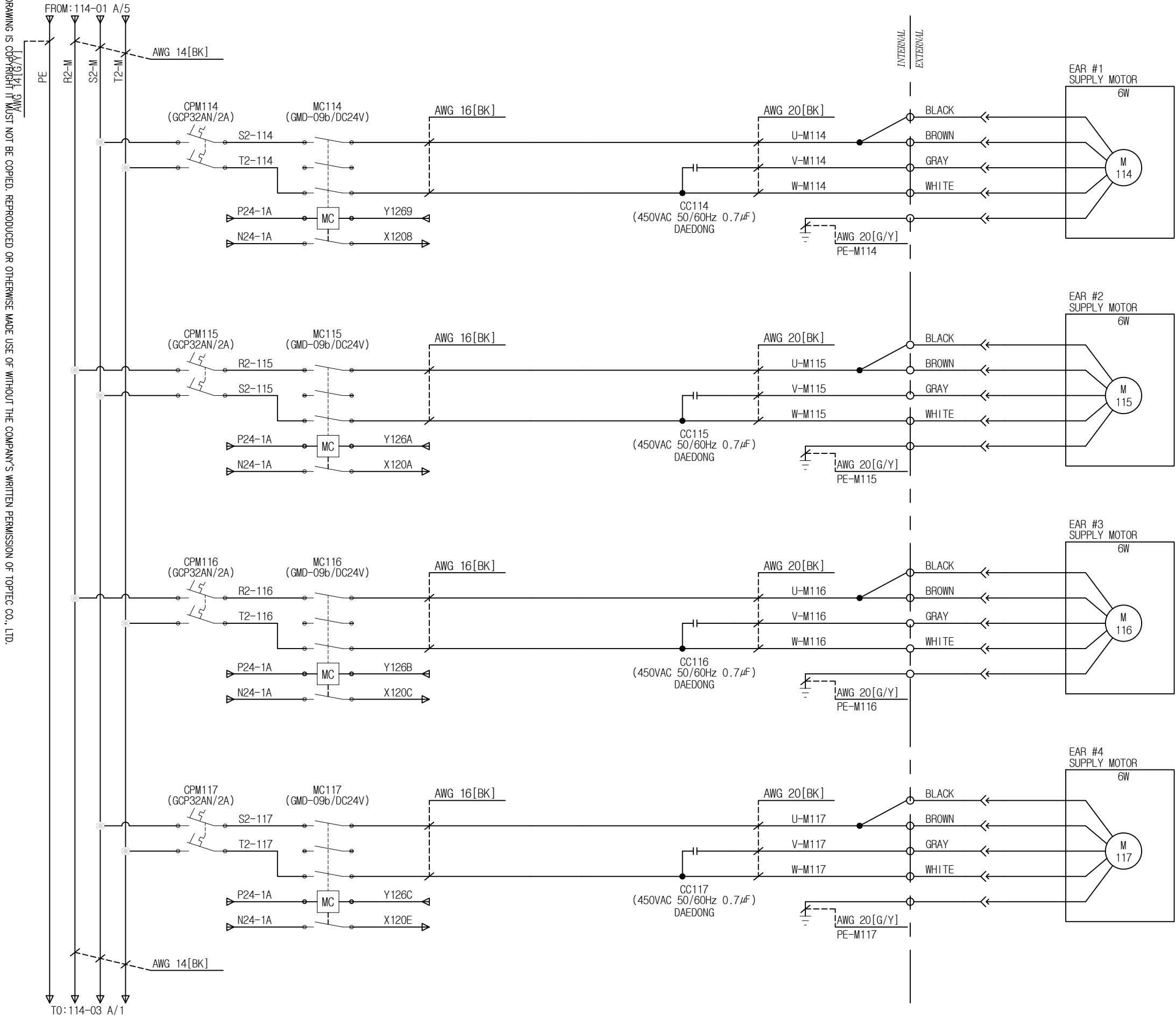
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DATE			DATE			DATE			DATE		
PROJECT		MASK LINE(A)					TITLE	MASK 설비			
UNIT	mm	SCALE	1/1	DATE	2020.04.06	INVERTER CIRCUIT DIAGRAM 1					
DESIGN		CHECK		APPROVED							
Y.D.J		A.Y.J		K.Y.J		DWG. NO	SNZ20009-MASK-114-01				
TOPTEC											

EAR

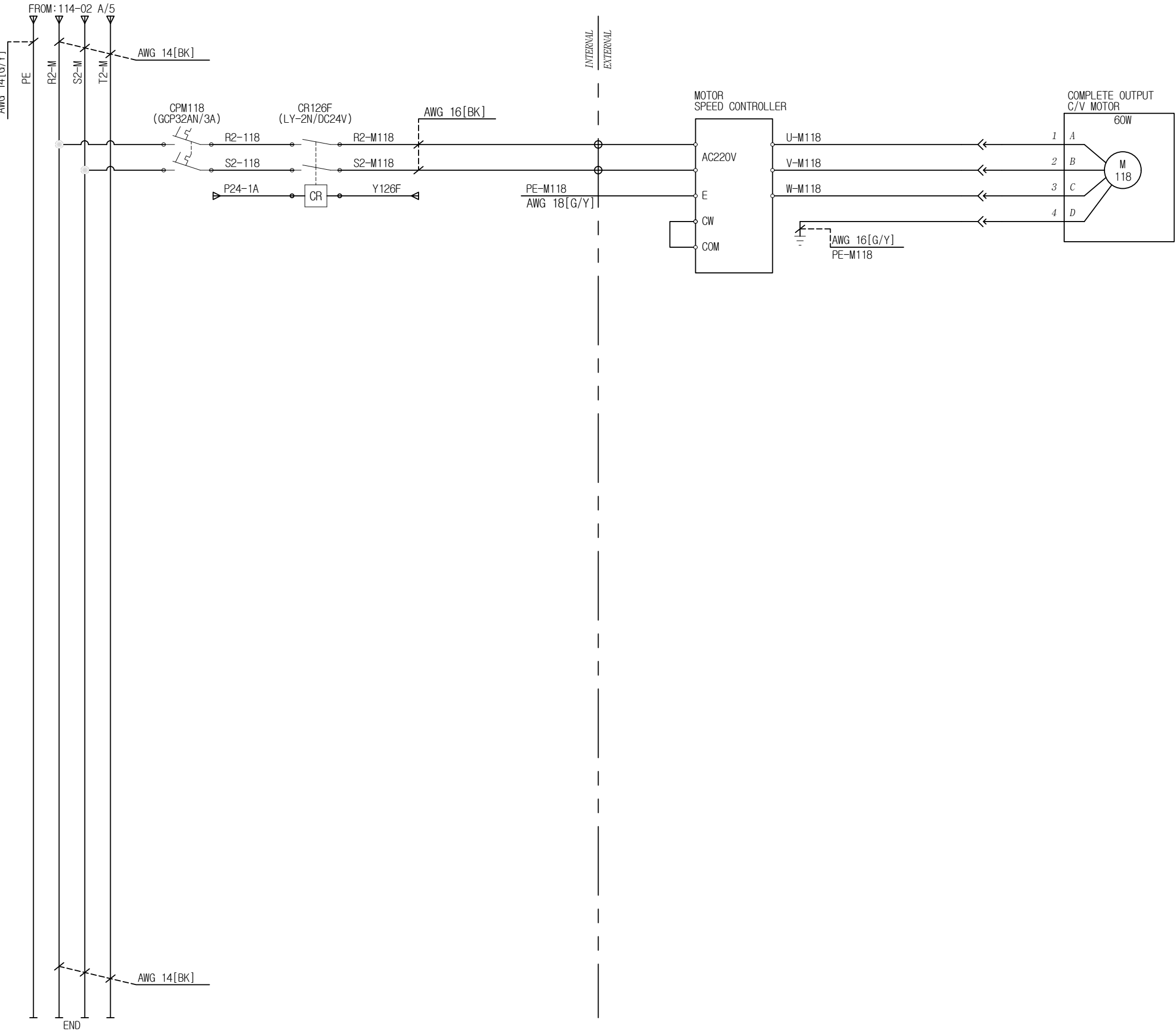


1st REVISION			CORRECT			2nd REVISION			CORRECT			3rd REVISION			CORRECT			4th REVISION			CORRECT								
DATE						DATE						DATE						DATE											
PROJECT						MASK LINE(A)												TITLE						MASK 설비					
UNIT		mm		SCALE		1/i		DATE		2020.04.06				DESIGN		CHECK								APPROVED		INVERTER CIRCUIT DIAGRAM 2			
 TOPTEC						Y.D.J		A.Y.J		K.Y.J				DWG. NO		SNZ20009-MASK-114-02													

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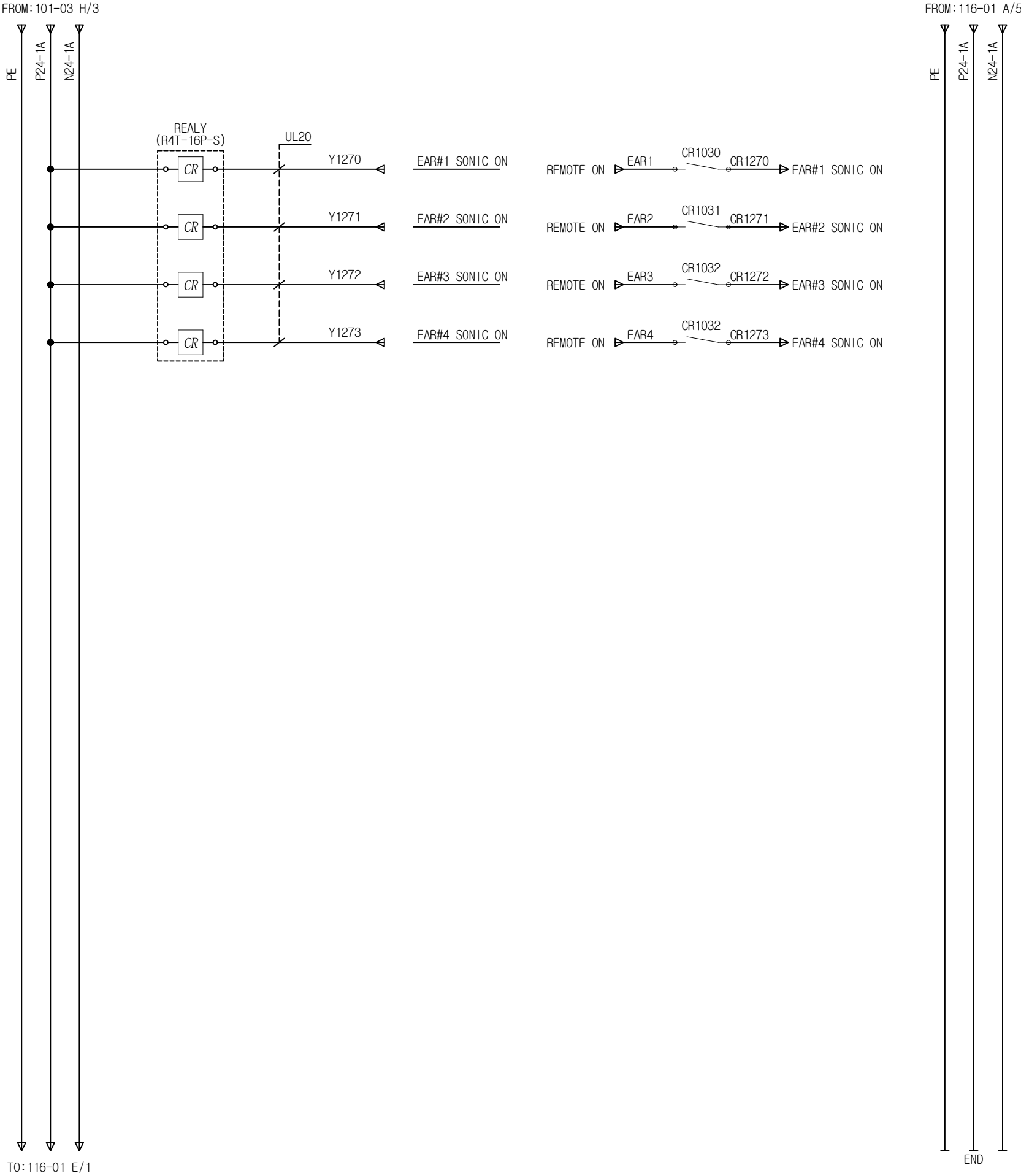
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1st REVISION			CORRECT			2nd REVISION			CORRECT			3rd REVISION			CORRECT			4th REVISION			CORRECT							
DATE						DATE						DATE						DATE										
PROJECT		MASK LINE(A)										TITLE	MASK 설비															
UNIT		mm		SCALE		1/1		DATE		2020.04.06		DESIGN		CHECK		APPROVED		DWG. NO	INVERTER CIRCUIT DIAGRAM 3									
												Y.D.J		A.Y.J		K.Y.J			SNZ20009-MASK-114-03									
		TOPTEC																										

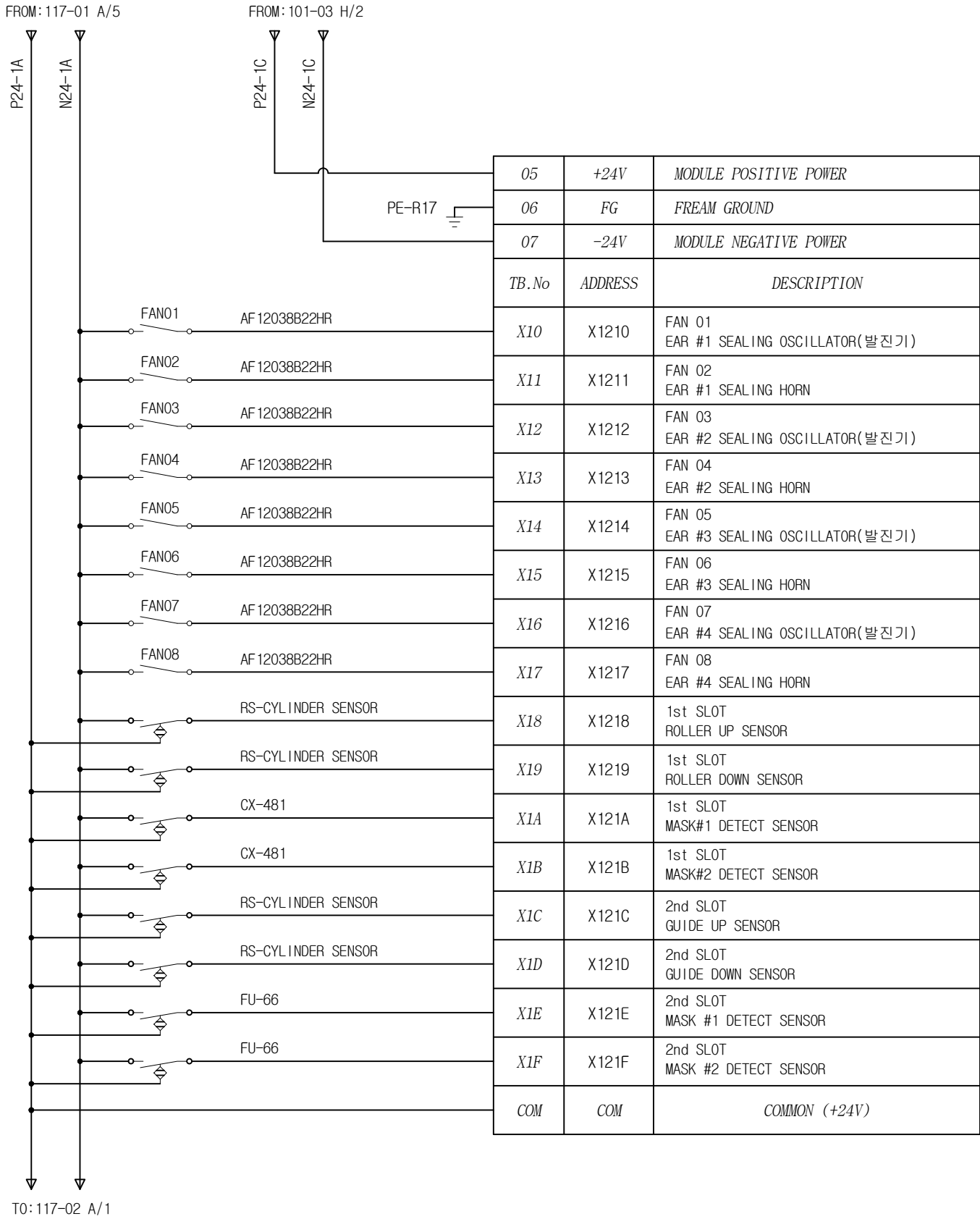
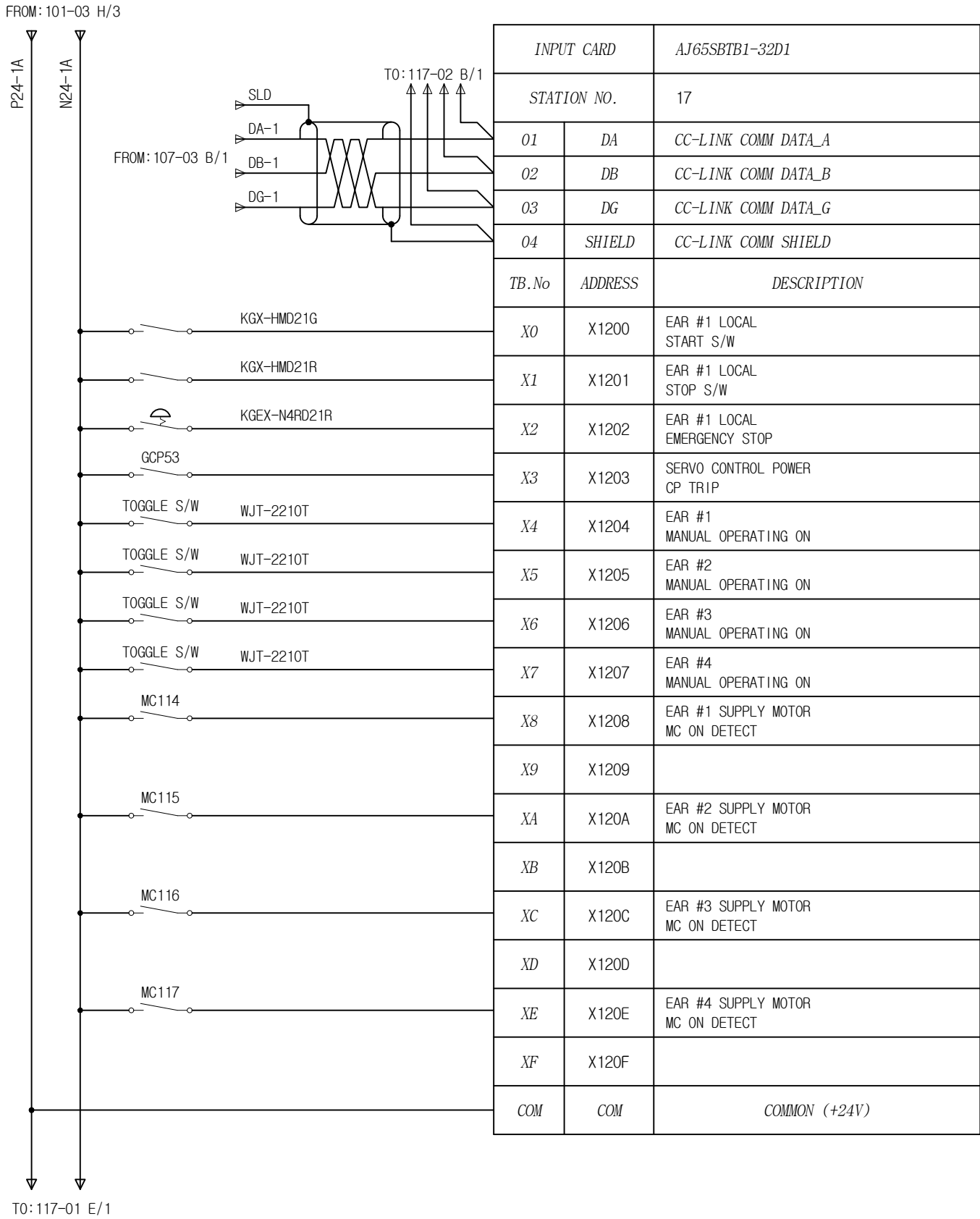
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EAR



	1st REVISION			CORRECT		2nd REVISION			CORRECT		3rd REVISION			CORRECT		4th REVISION			CORRECT
DATE	-	-	-	-	DATE	-	-	-	-	DATE	-	-	-	-	DATE	-	-	-	-
PROJECT MASK LINE(A)										TITLE MASK 설비									
UNIT	mm	SCALE	1/1	DATE	2020.04.06	DESIGN	CHECK	APPROVED		TOWER & BUZZER CIRCUIT									
TOPTEC					Y.D.J	A.Y.J	K.Y.J		DWG. NO	SNZ20009-MASK-116-01									

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1st REVISION		CORRECT		2nd REVISION		CORRECT		3rd REVISION		CORRECT		4th REVISION		CORRECT	
DATE	-	-	DATE	-	-	DATE	-	-	DATE	-	-	DATE	-	-	DATE
PROJECT		MASK LINE(A)						TITLE		MASK 설비					
UNIT	mm	SCALE	1/i	DATE			2020.04.06			REMOTE CARD 1					
 TOPTEC		DESIGN		CHECK		APPROVED		DWG. NO		SNZ20009-MASK-117-01					
		Y.D.J		A.Y.J		K.Y.J									

EAR

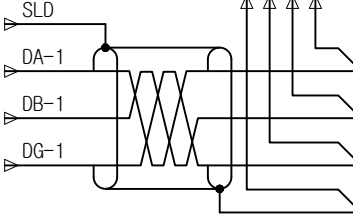
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FROM: 117-01 E/5

P24-1A

N24-1A

FROM: 117-01 B/1



TO: 117-03 B/1

INPUT CARD		AJ65SBTB1-32D1
STATION NO.		18
01	DA	CC-LINK COMM DATA_A
02	DB	CC-LINK COMM DATA_B
03	DG	CC-LINK COMM DATA_G
04	SHIELD	CC-LINK COMM SHIELD
TB.No	ADDRESS	DESCRIPTION
X0	X1220	
X1	X1221	
X2	X1222	EAR #1 SUPPLY CLAMP TURN SENSOR
X3	X1223	EAR #1 SUPPLY CLAMP RETURN SENSOR
X4	X1224	EAR #1 ULTRASONIC UP SENSOR
X5	X1225	EAR #1 ULTRASONIC DOWN SENSOR
X6	X1226	EAR #1 CUTTER UP SENSOR
X7	X1227	EAR #1 CUTTER DOWN SENSOR
X8	X1228	EAR #1,#3 EAR MOVING FWD SENSOR
X9	X1229	EAR #1,#3 EAR MOVING BWD SENSOR
XA	X122A	EAR #1,#3 EAR LENGHT(길이) CHECK SENSOR
XB	X122B	
XC	X122C	EAR #1 UPPER EAR LOOP DETECT SENSOR
XD	X122D	EAR #1 LOWER EAR LOOP DETECT SENSOR
XE	X122E	EAR #1,#2 SUPPLY UP SENSOR
XF	X122F	EAR #1,#2 SUPPLY DOWN SENSOR
COM	COM	COMMON (+24V)

FROM: 117-02 A/5

P24-1A

N24-1A

FROM: 101-03 H/2

P24-1C

N24-1C

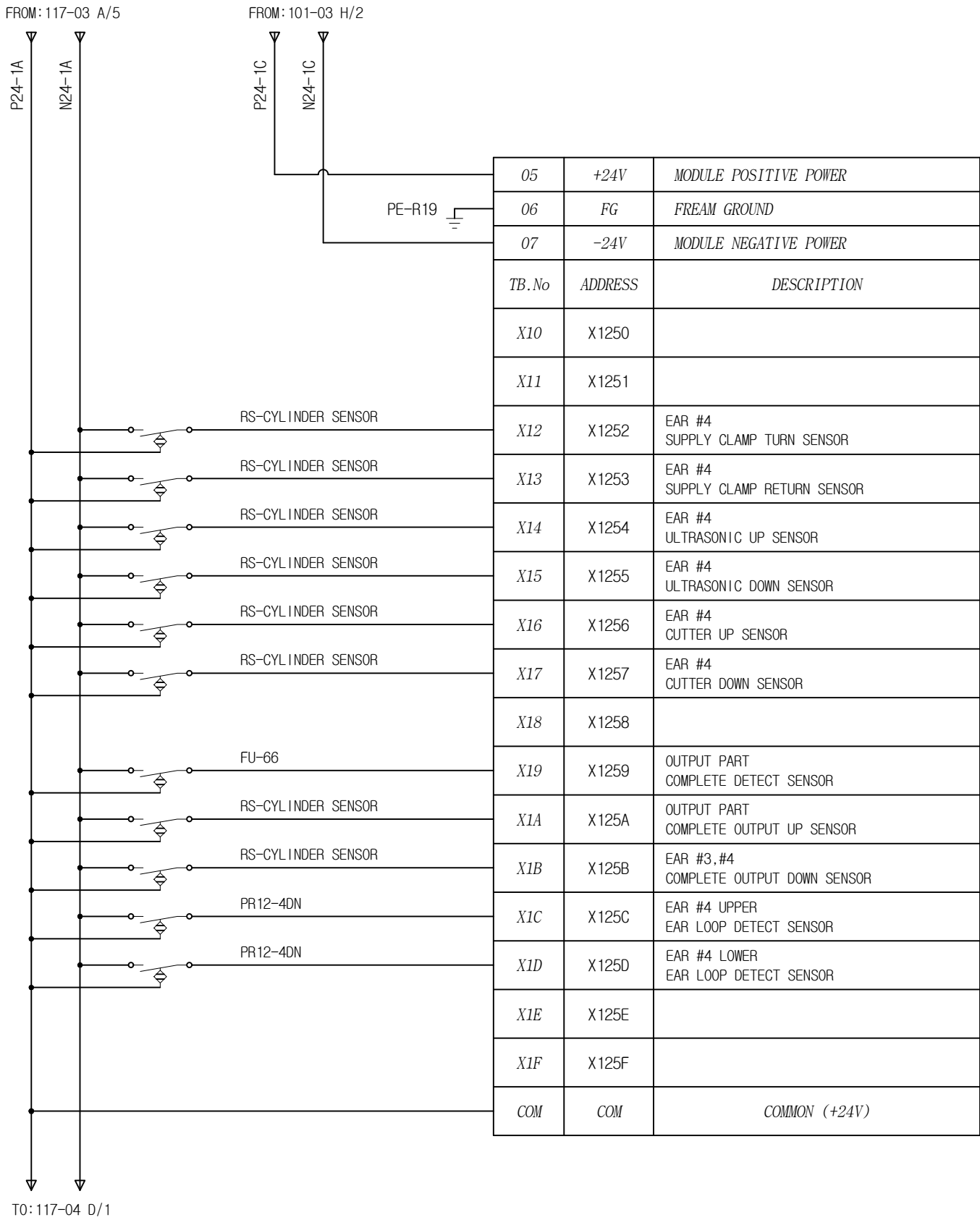
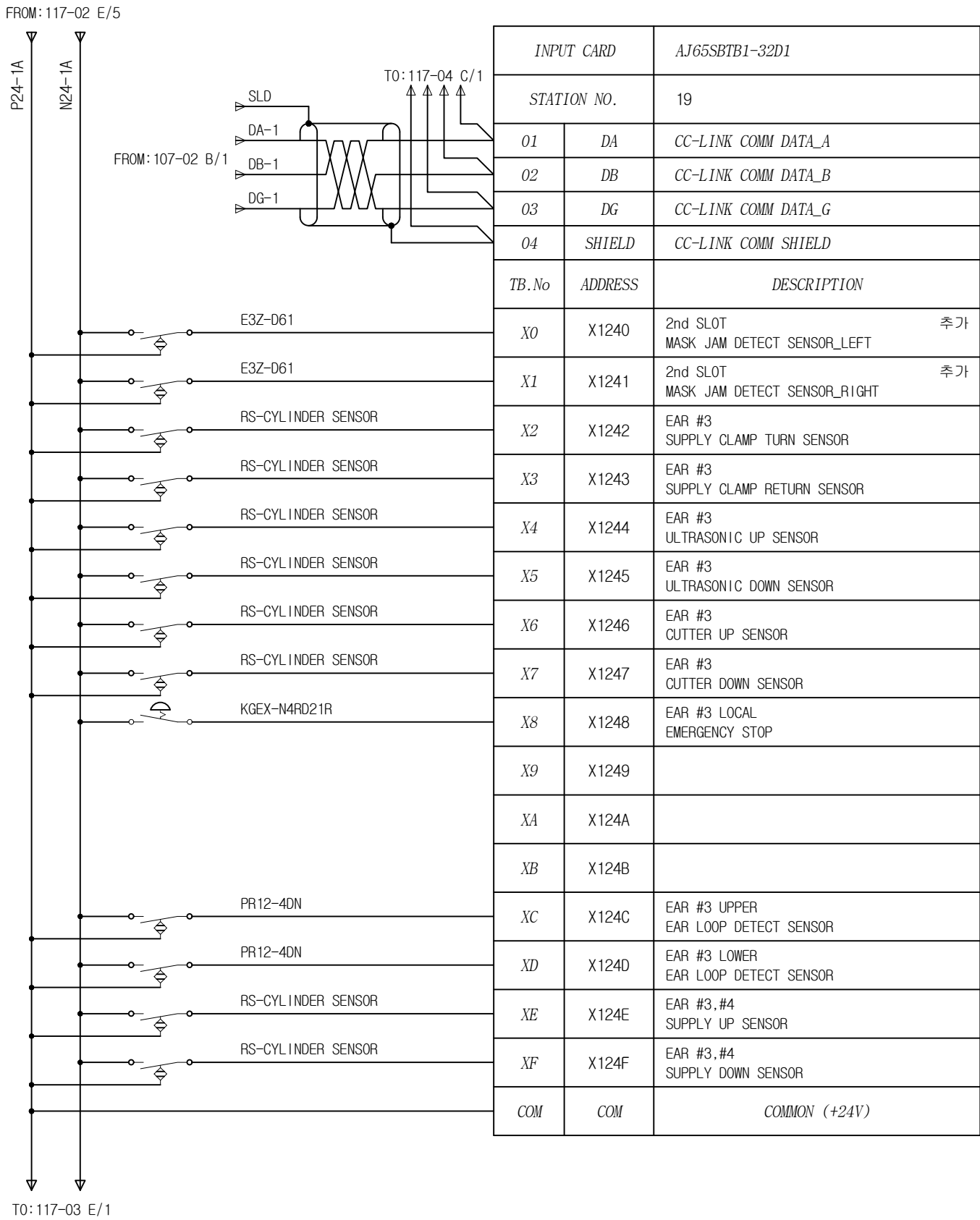
PE-R18

05	+24V	MODULE POSITIVE POWER
06	FG	FREAM GROUND
07	-24V	MODULE NEGATIVE POWER
TB.No	ADDRESS	DESCRIPTION
X10	X1230	
X11	X1231	
X12	X1232	EAR #2 SUPPLY CLAMP TURN SENSOR
X13	X1233	EAR #2 SUPPLY CLAMP RETURN SENSOR
X14	X1234	EAR #2 ULTRASONIC UP SENSOR
X15	X1235	EAR #2 ULTRASONIC DOWN SENSOR
X16	X1236	EAR #2 CUTTER UP SENSOR
X17	X1237	EAR #2 CUTTER DOWN SENSOR
X18	X1238	EAR #2,#4 EAR MOVING FWD SENSOR
X19	X1239	EAR #2,#4 EAR MOVING BWD SENSOR
X1A	X123A	EAR #2,#4 EAR LENGHT(길이) CHECK SENSOR
X1B	X123B	
X1C	X123C	EAR #2 UPPER EAR LOOP DETECT SENSOR
X1D	X123D	EAR #2 LOWER EAR LOOP DETECT SENSOR
X1E	X123E	ULTRASONIC(초음파) CONTROL POWER NFB TRIP(EAR PART ULTRASONIC BREAKER ON)
X1F	X123F	EAR AIR ON
COM	COM	COMMON (+24V)

TO: 117-03 A/1

1st REVISION		CORRECT		2nd REVISION		CORRECT		3rd REVISION		CORRECT		4th REVISION		CORRECT	
DATE	-	-	DATE	-	-	DATE	-	-	DATE	-	-	DATE	-	-	
PROJECT MASK LINE(A)						TITLE MASK 설비									
UNIT	mm	SCALE	1/i	DATE		2020.04.06		REMOTE CARD 2							
 TOPTEC				DESIGN		CHECK		APPROVED		DWG. NO SNZ20009-MASK-117-02					
				Y.D.J		A.Y.J		K.Y.J							

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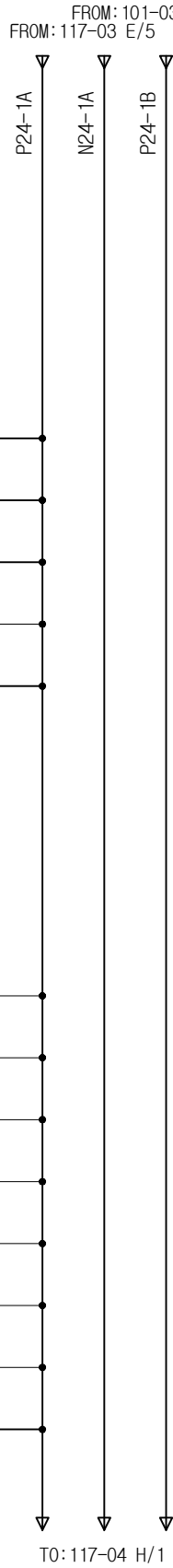
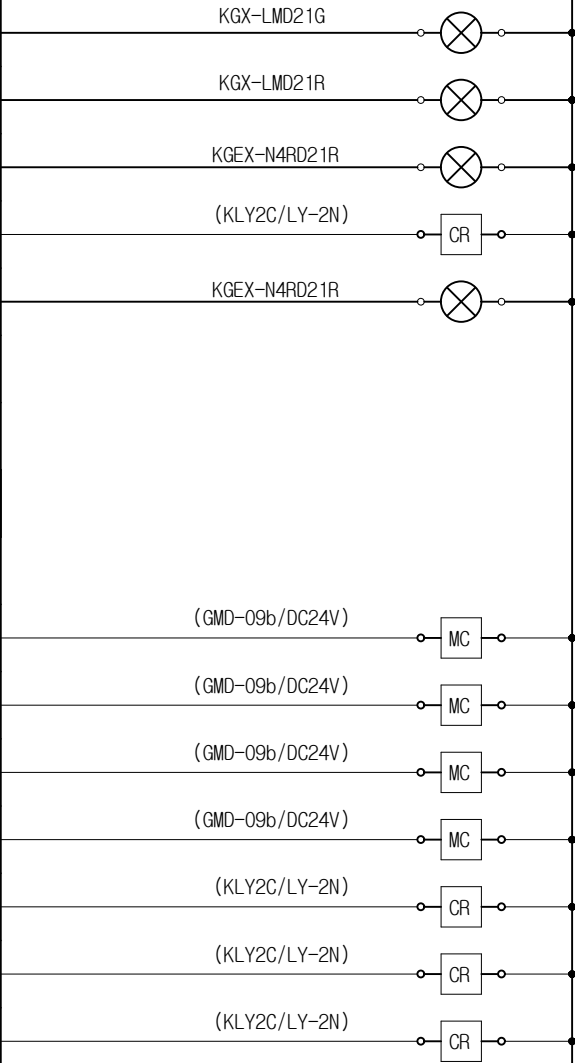
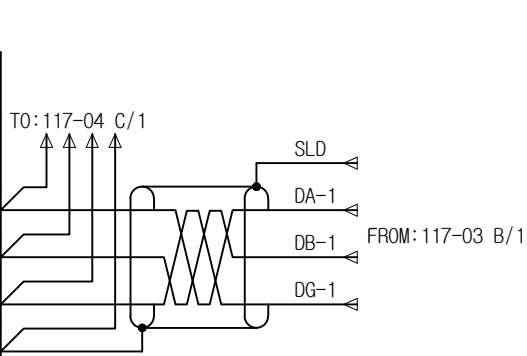


DATE	1st REVISION	CORRECT	DATE	2nd REVISION	CORRECT	DATE	3rd REVISION	CORRECT	DATE	4th REVISION	CORRECT
	-	-		-	-		-	-		-	-
PROJECT MASK LINE(A)							TITLE MASK 설비				
UNIT	mm	SCALE	1/i	DATE	2020.04.06		DESIGN		CHECK	APPROVED	
				Y.D.J	A.Y.J	K.Y.J	DWG. NO		SNZ20009-MASK-117-03		
TOPTEC											

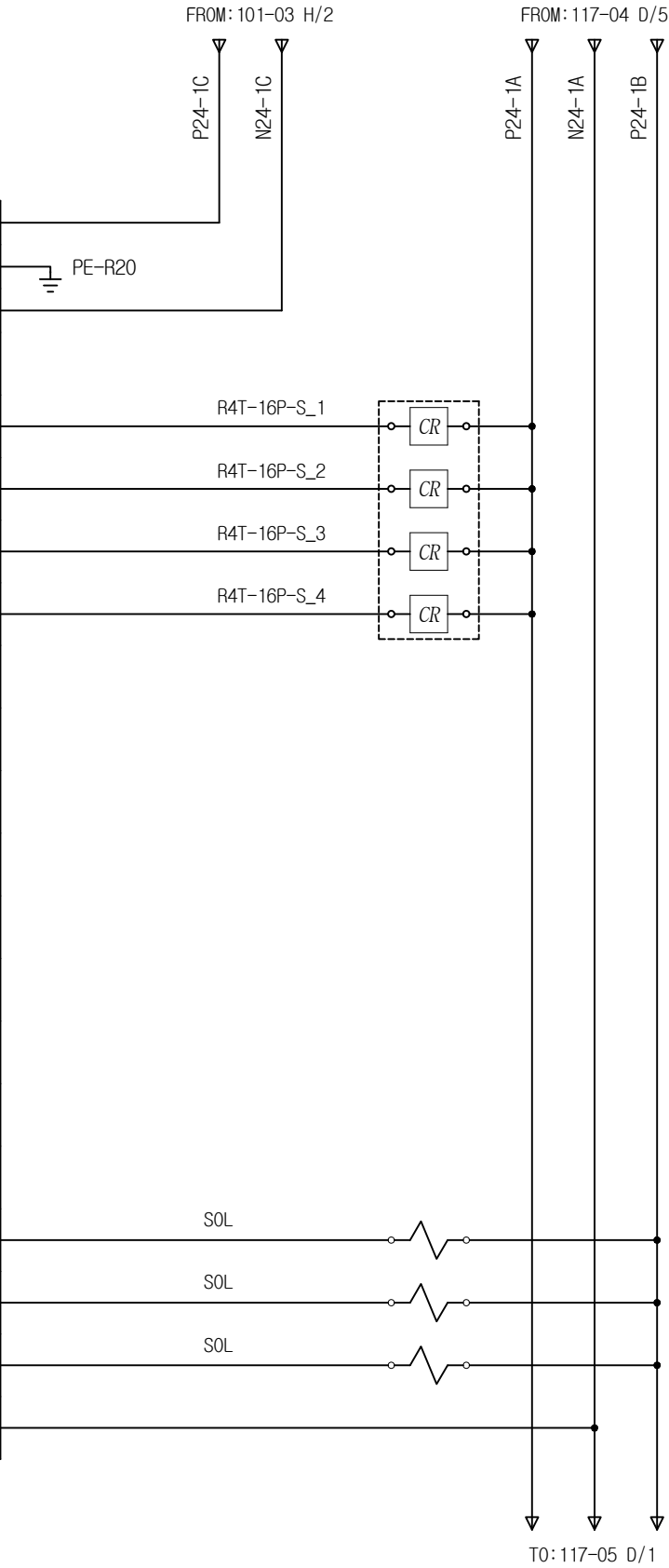
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EAR

OUTPUT CARD	AJ65SBTB1-32T1		
STATION NO.	20		
CC-LINK COMM DATA_A	DA	01	
CC-LINK COMM DATA_B	DB	02	
CC-LINK COMM DATA_G	DG	03	
CC-LINK COMM SHIELD	SHIELD	04	
DESCRIPTION	ADDRESS	TB.No	
EAR #1 LOCAL START S/W LAMP	Y1260	Y0	
EAR #1 LOCAL STOP S/W LAMP	Y1261	Y1	
EAR #1 LOCAL EMERGENCY STOP	Y1262	Y2	
EAR LOCAL FAN ON/OFF RELAY 추가	Y1263	Y3	
EAR #3 LOCAL EMERGENCY STOP 추가	Y1264	Y4	
	Y1265	Y5	
	Y1266	Y6	
	Y1267	Y7	
	Y1268	Y8	
EAR #1 SUPPLY MOTOR MC ON	Y1269	Y9	
EAR #2 SUPPLY MOTOR MC ON	Y126A	YA	
EAR #3 SUPPLY MOTOR MC ON	Y126B	YB	
EAR #4 SUPPLY MOTOR MC ON	Y126C	YC	
SLOT INPUT C/V MOTOR RUN	Y126D	YD	
OUTPUT C/V MOTOR RUN	Y126E	YE	
COMPLETE OUTPUT C/V MOTOR RUN	Y126F	YF	
CTL +	COM+	COM+	



MODULE POSITIVE POWER	+24V	05
FREAM GROUND	FG	06
MODULE NEGATIVE POWER	-24V	07
DESCRIPTION	ADDRESS	TB.No
EAR #1 ULTRASONIC (초음파) SONIC ON	Y1270	Y10
EAR #2 ULTRASONIC (초음파) SONIC ON	Y1271	Y11
EAR #3 ULTRASONIC (초음파) SONIC ON	Y1272	Y12
EAR #4 ULTRASONIC (초음파) SONIC ON	Y1273	Y13
	Y1274	Y14
	Y1275	Y15
	Y1276	Y16
	Y1277	Y17
	Y1278	Y18
	Y1279	Y19
	Y127A	Y1A
	Y127B	Y1B
	Y127C	Y1C
OUTPUT PART COMPLETE OUTPUT UP/DOWN SOL	Y127D	Y1D
1st SLOT ROLLER UP/DOWN SOL	Y127E	Y1E
2nd SLOT GUIDE UP/DOWN SOL	Y127F	Y1F
COM -	COM-	COM-

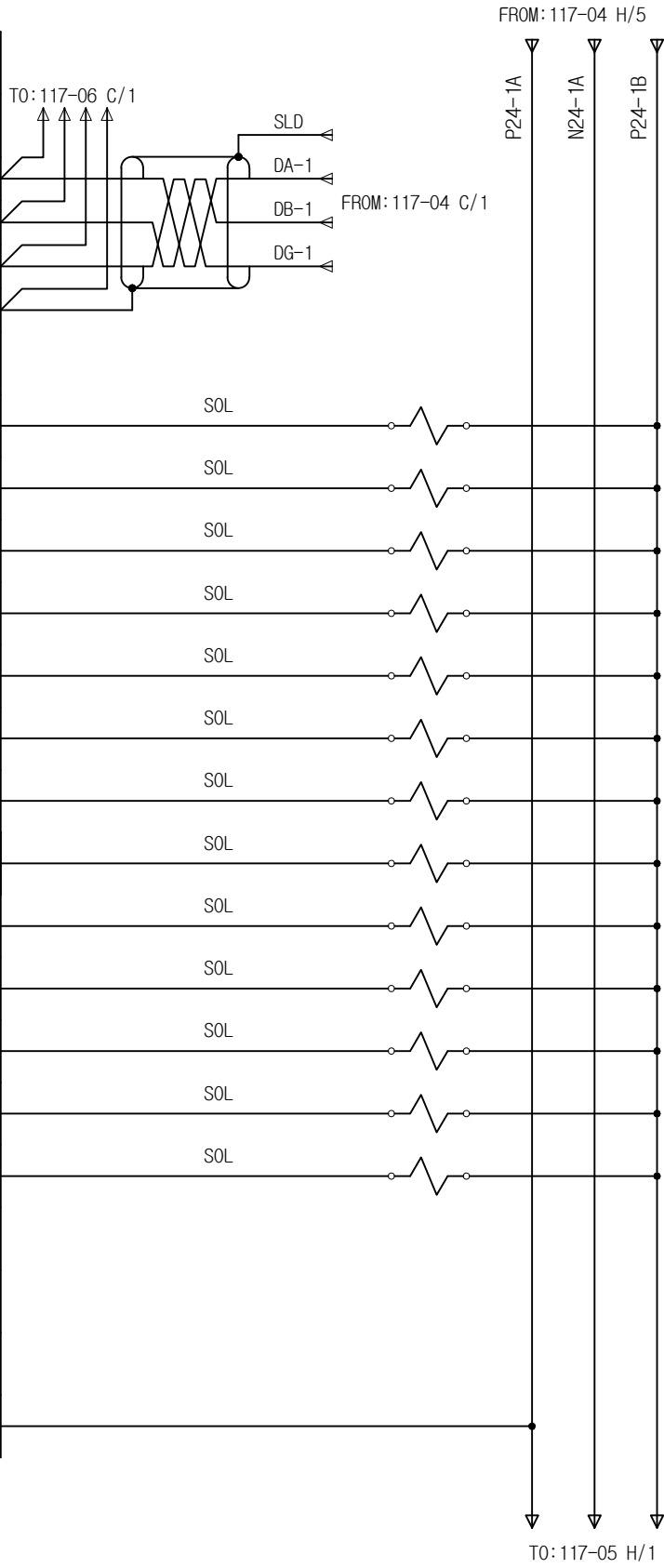


1st REVISION		CORRECT	2nd REVISION		CORRECT	3rd REVISION		CORRECT	4th REVISION		CORRECT
DATE	-	-	DATE	-	-	DATE	-	-	DATE	-	-
PROJECT			MASK LINE(A)					TITLE			
UNIT	mm	SCALE	1/1	DATE	2020.04.06		REMOTE CARD 4				
 TOPTEC			DESIGN	CHECK	APPROVED						
			Y.D.J	A.Y.J	K.Y.J	DWG. NO		SNZ20009-MASK-117-04			

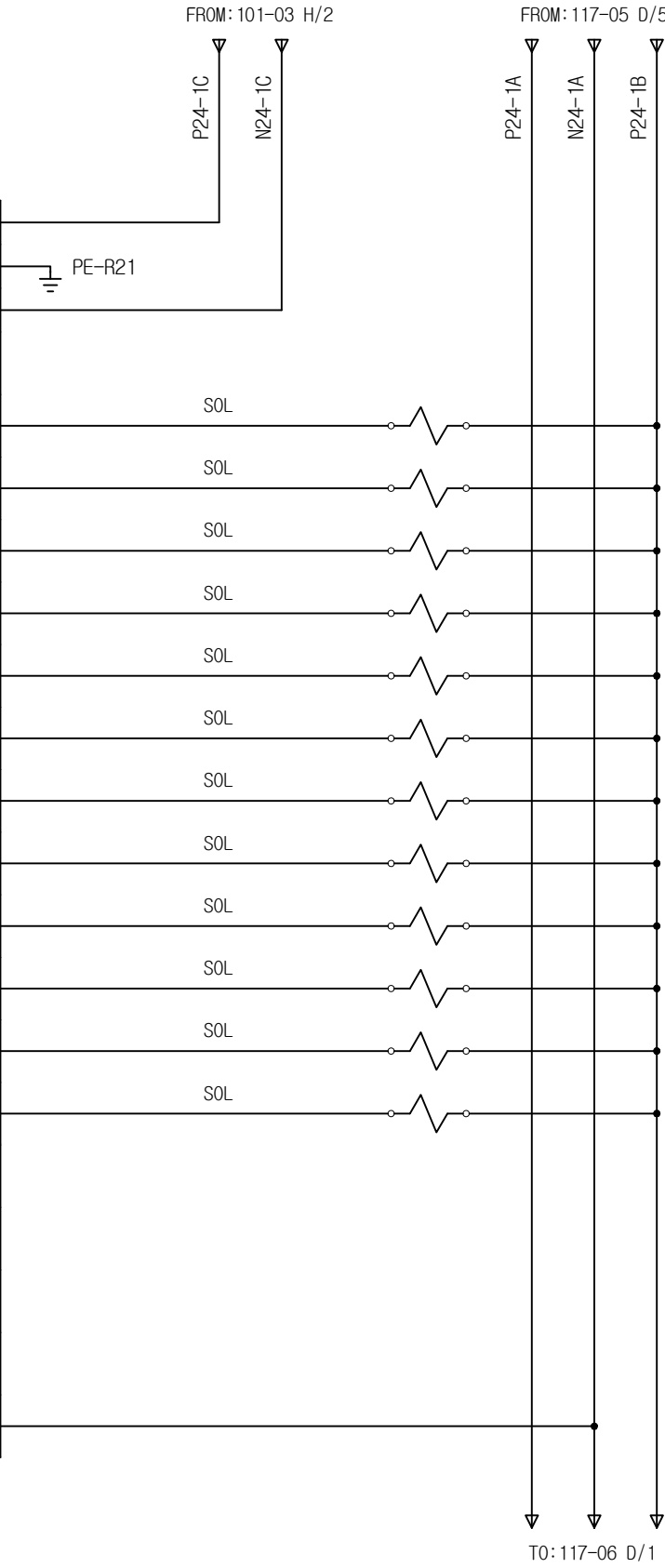
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EAR

OUTPUT CARD	AJ65SBTB1-32T1		
STATION NO.	21		
CC-LINK COMM DATA_A	DA	01	
CC-LINK COMM DATA_B	DB	02	
CC-LINK COMM DATA_G	DG	03	
CC-LINK COMM SHIELD	SHIELD	04	
DESCRIPTION	ADDRESS	TB.No	
EAR #1 FIXED CLAMP CLOSE SOL	Y1280	Y0	
EAR #1 FIXED CLAMP OPEN SOL	Y1281	Y1	
EAR #1 MOVING CLAMP CLOSE SOL	Y1282	Y2	
EAR #1 MOVING CLAMP OPEN SOL	Y1283	Y3	
EAR #1 SUPPLY CLAMP CLOSE SOL	Y1284	Y4	
EAR #1 SUPPLY CLAMP OPEN SOL	Y1285	Y5	
EAR #1 SUPPLY CLAMP TURN SOL	Y1286	Y6	
EAR #1 SUPPLY CLAMP RETURN SOL	Y1287	Y7	
EAR #1 ULTRASONIC UP/DOWN SOL	Y1288	Y8	
EAR #1 CUTTER UP/DOWN SOL	Y1289	Y9	
EAR #1,3 EAR MOVING FWD SOL	Y128A	YA	
EAR #1,3 EAR MOVING BWD SOL	Y128B	YB	
EAR #1,2 SUPPLY CLAMP UP/DOWN SOL	Y128C	YC	
	Y128D	YD	
	Y128E	YE	
	Y128F	YF	
CTL +	COM+	COM+	



MODULE POSITIVE POWER	+24V	05
FREAM GROUND	FG	06
MODULE NEGATIVE POWER	-24V	07
DESCRIPTION	ADDRESS	TB.No
EAR #2 FIXED CLAMP CLOSE SOL	Y1290	Y10
EAR #2 FIXED CLAMP OPEN SOL	Y1291	Y11
EAR #2 MOVING CLAMP CLOSE SOL	Y1292	Y12
EAR #2 MOVING CLAMP OPEN SOL	Y1293	Y13
EAR #2 SUPPLY CLAMP CLOSE SOL	Y1294	Y14
EAR #2 SUPPLY CLAMP OPEN SOL	Y1295	Y15
EAR #2 SUPPLY CLAMP TURN SOL	Y1296	Y16
EAR #2 SUPPLY CLAMP RETURN SOL	Y1297	Y17
EAR #2 ULTRASONIC UP/DOWN SOL	Y1298	Y18
EAR #2 CUTTER UP/DOWN SOL	Y1299	Y19
EAR #2,4 EAR MOVING FWD SOL	Y129A	Y1A
EAR #2,4 EAR MOVING BWD SOL	Y129B	Y1B
	Y129C	Y1C
	Y129D	Y1D
	Y129E	Y1E
	Y129F	Y1F
COM -	COM-	COM-

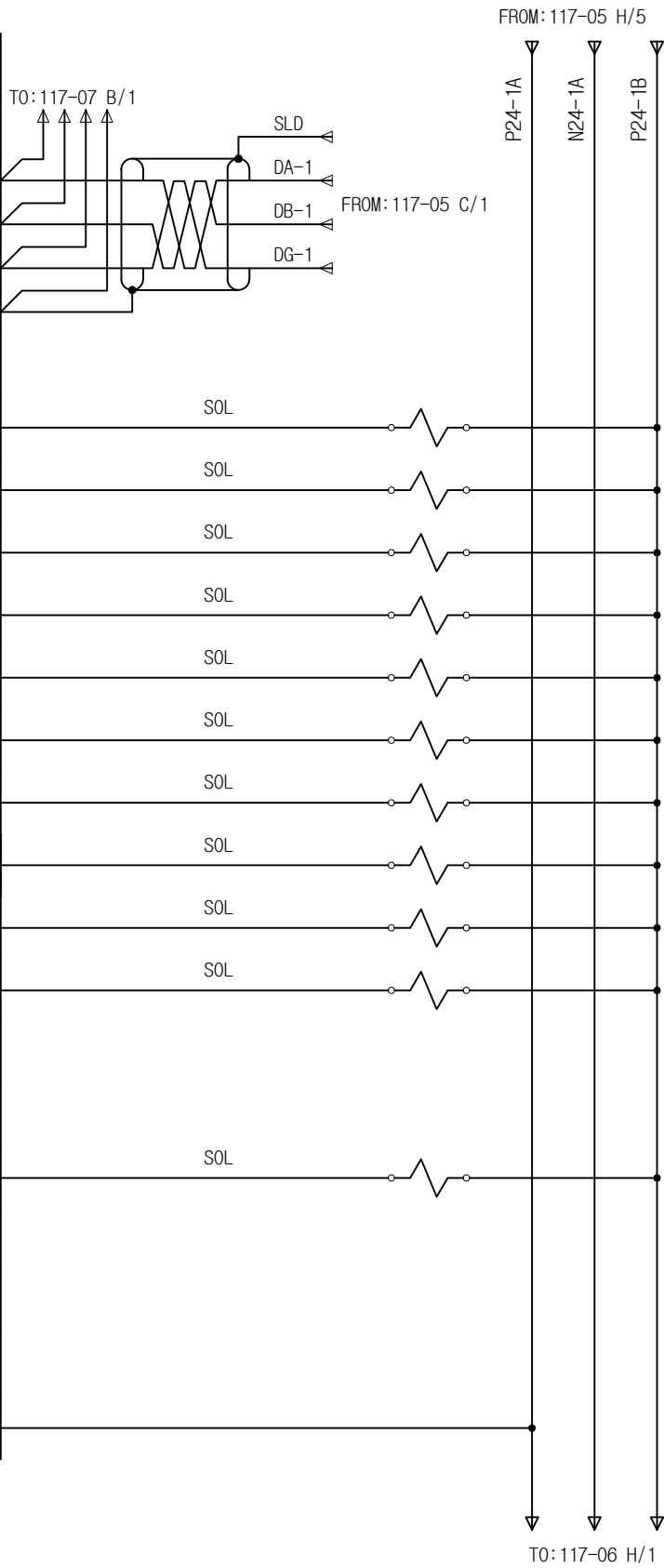


1st REVISION		CORRECT	2nd REVISION		CORRECT	3rd REVISION		CORRECT	4th REVISION		CORRECT
DATE	-	-	DATE	-	-	DATE	-	-	DATE	-	-
PROJECT			MASK LINE(A)					TITLE	MASK 설비		
UNIT	mm	SCALE	1/1	DATE	2020.04.06		DWG. NO	REMOTE CARD 5			
 TOPTEC			DESIGN	CHECK	APPROVED	SNZ20009-MASK-117-05					
			Y.D.J	A.Y.J	K.Y.J						

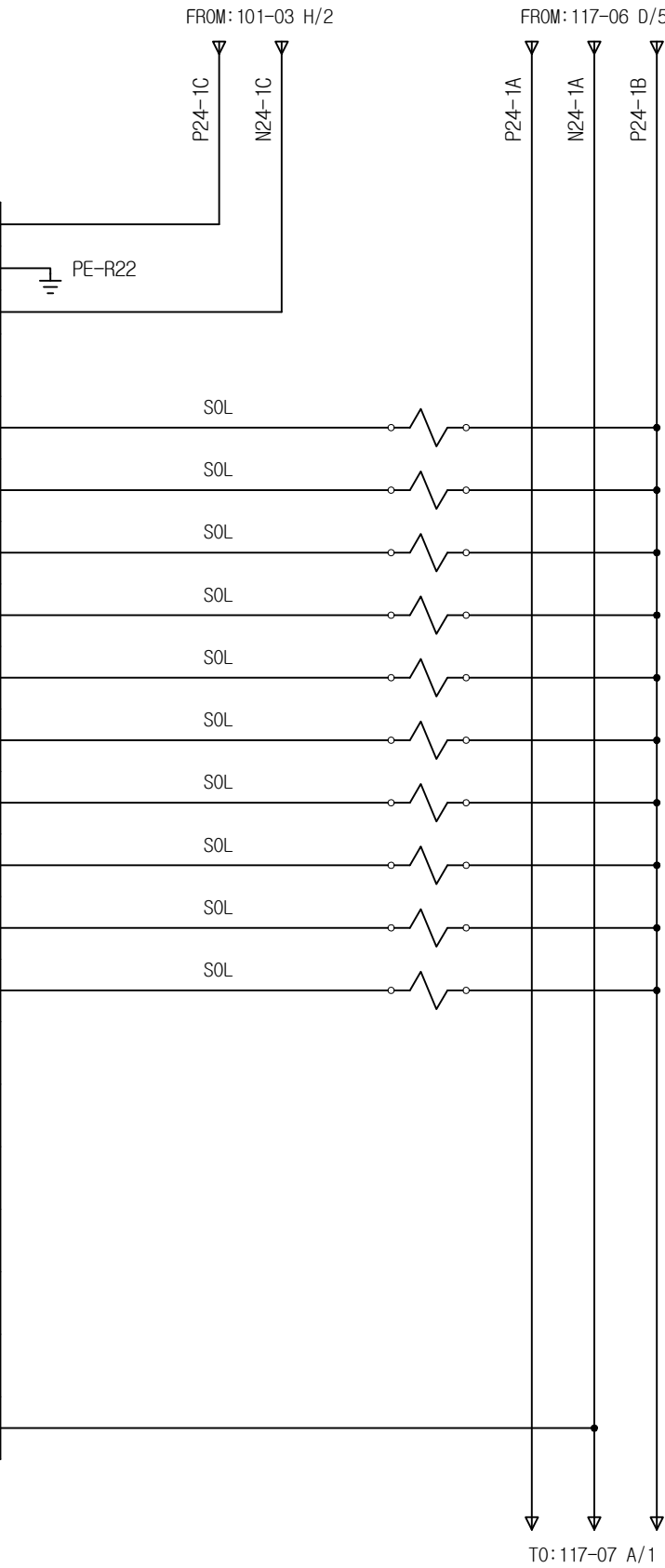
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EAR

OUTPUT CARD	AJ65SBTB1-32T1		
STATION NO.	22		
CC-LINK COMM DATA_A	DA	01	
CC-LINK COMM DATA_B	DB	02	
CC-LINK COMM DATA_G	DG	03	
CC-LINK COMM SHIELD	SHIELD	04	
DESCRIPTION	ADDRESS	TB.No	
EAR #3 FIXED CLAMP CLOSE SOL	Y12A0	Y0	
EAR #3 FIXED CLAMP OPEN SOL	Y12A1	Y1	
EAR #3 MOVING CLAMP CLOSE SOL	Y12A2	Y2	
EAR #3 MOVING CLAMP OPEN SOL	Y12A3	Y3	
EAR #3 SUPPLY CLAMP CLOSE SOL	Y12A4	Y4	
EAR #3 SUPPLY CLAMP OPEN SOL	Y12A5	Y5	
EAR #3 SUPPLY CLAMP TURN SOL	Y12A6	Y6	
EAR #3 SUPPLY CLAMP RETURN SOL	Y12A7	Y7	
EAR #3 ULTRASONIC UP/DOWN SOL	Y12A8	Y8	
EAR #3 CUTTER UP/DOWN SOL	Y12A9	Y9	
	Y12AA	YA	
	Y12AB	YB	
EAR #3,4 SUPPLY CLAMP UP/DOWN SOL	Y12AC	YC	
	Y12AD	YD	
	Y12AE	YE	
	Y12AF	YF	
CTL +	COM+	COM+	



MODULE POSITIVE POWER	+24V	05
FREAM GROUND	FG	06
MODULE NEGATIVE POWER	-24V	07
DESCRIPTION	ADDRESS	TB.No
EAR #4 FIXED CLAMP CLOSE SOL	Y12B0	Y10
EAR #4 FIXED CLAMP OPEN SOL	Y12B1	Y11
EAR #4 MOVING CLAMP CLOSE SOL	Y12B2	Y12
EAR #4 MOVING CLAMP OPEN SOL	Y12B3	Y13
EAR #4 SUPPLY CLAMP CLOSE SOL	Y12B4	Y14
EAR #4 SUPPLY CLAMP OPEN SOL	Y12B5	Y15
EAR #4 SUPPLY CLAMP TURN SOL	Y12B6	Y16
EAR #4 SUPPLY CLAMP RETURN SOL	Y12B7	Y17
EAR #4 ULTRASONIC UP/DOWN SOL	Y12B8	Y18
EAR #4 CUTTER UP/DOWN SOL	Y12B9	Y19
	Y12BA	Y1A
	Y12BB	Y1B
	Y12BC	Y1C
	Y12BD	Y1D
	Y12BE	Y1E
	Y12BF	Y1F
COM -	COM-	COM-



1st REVISION	CORRECT	2nd REVISION	CORRECT	3rd REVISION	CORRECT	4th REVISION	CORRECT
DATE	-	DATE	-	DATE	-	DATE	-
PROJECT	MASK LINE(A)			TITLE	MASK 설비		
UNIT	mm	SCALE	1/1	DATE	2020.04.06	DESIGN	Y.D.J
						CHECK	A.Y.J
						APPROVED	K.Y.J
						DWG. NO	SNZ20009-MASK-117-06

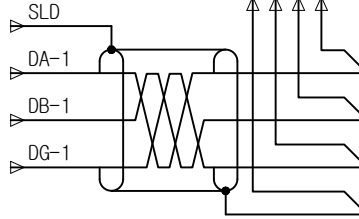
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FROM: 117-06 H/5

P24-1A

N24-1A

FROM: 117-06 C/1



INPUT CARD		AJ65SBTB1-32D1	
STATION NO.		23	
01	DA	CC-LINK COMM DATA_A	
02	DB	CC-LINK COMM DATA_B	
03	DG	CC-LINK COMM DATA_G	
04	SHIELD	CC-LINK COMM SHIELD	
TB.No	ADDRESS	DESCRIPTION	
X0	X12C0	EAR #1 FIXED CLAMP CLOSE S/W	
X1	X12C1	EAR #1 FIXED CLAMP OPEN S/W	
X2	X12C2	EAR #1 MOVING CLAMP CLOSE S/W	
X3	X12C3	EAR #1 MOVING CLAMP OPEN S/W	
X4	X12C4	EAR #1 SUPPLY CLAMP CLOSE S/W	
X5	X12C5	EAR #1 SUPPLY CLAMP OPEN S/W	
X6	X12C6	EAR #1 SUPPLY CLAMP TURN S/W	
X7	X12C7	EAR #1 SUPPLY CLAMP RETURN S/W	
X8	X12C8	EAR #1 U.SONIC UP S/W	
X9	X12C9	EAR #1 U.SONIC DOWN S/W	
XA	X12CA	EAR #1 CUTTER UP S/W	
XB	X12CB	EAR #1 CUTTER DOWN S/W	
XC	X12CC	EAR #1,3 MOVING CLAMP FWD S/W	
XD	X12CD	EAR #1,3 MOVING CLAMP BWD S/W	
XE	X12CE	EAR #1,#2 SUPPLY CLAMP UP SENSOR	
XF	X12CF	EAR #1,#2 SUPPLY CLAMP DOWN SENSOR	
COM	COM	COMMON (+24V)	

FROM: 117-07 A/5

P24-1A

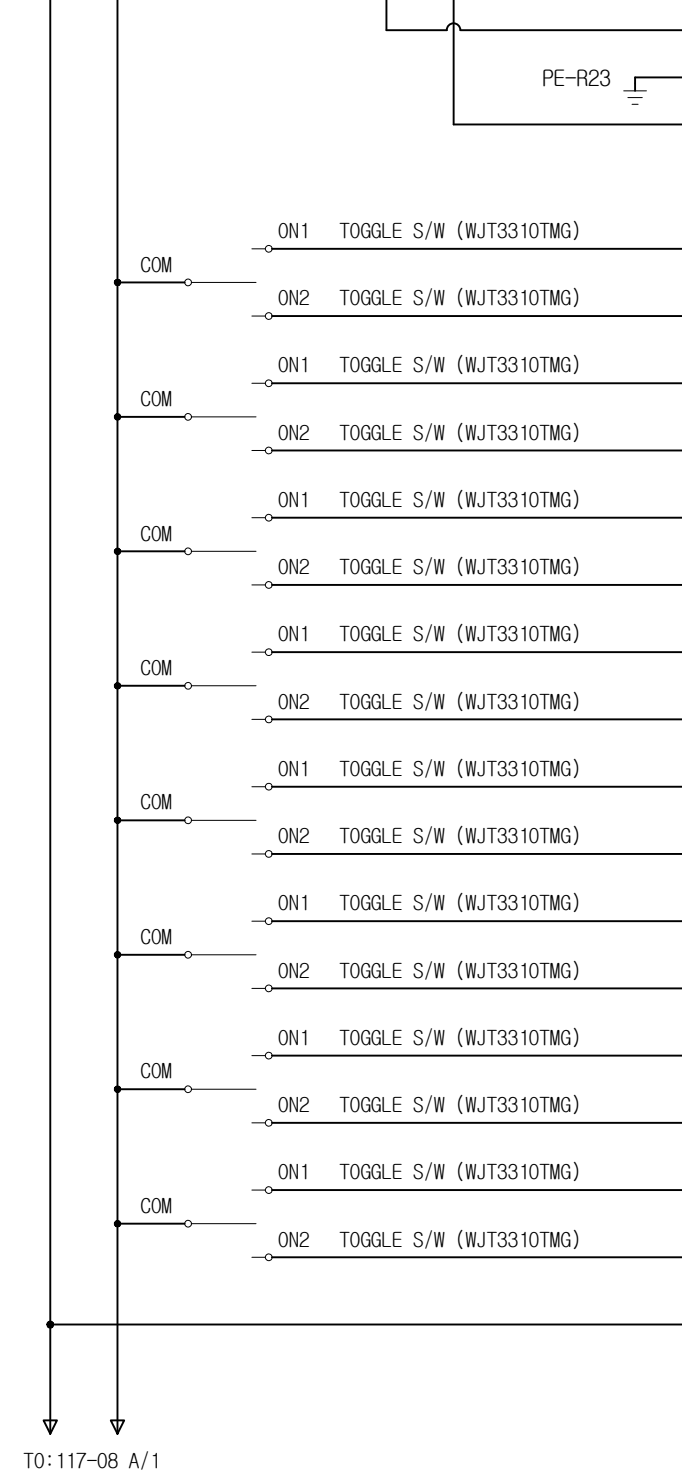
N24-1A

FROM: 101-03 H/2

P24-1C

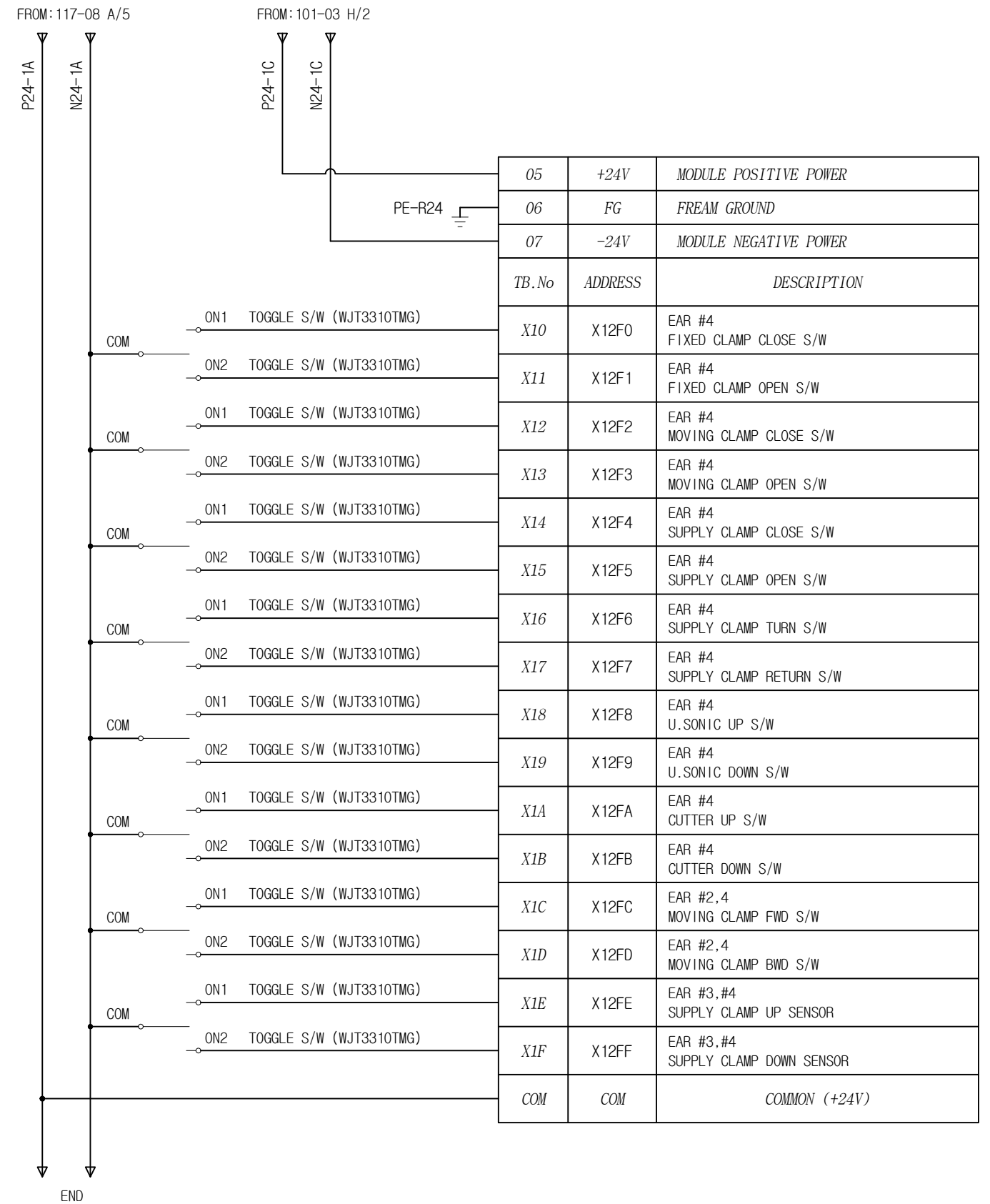
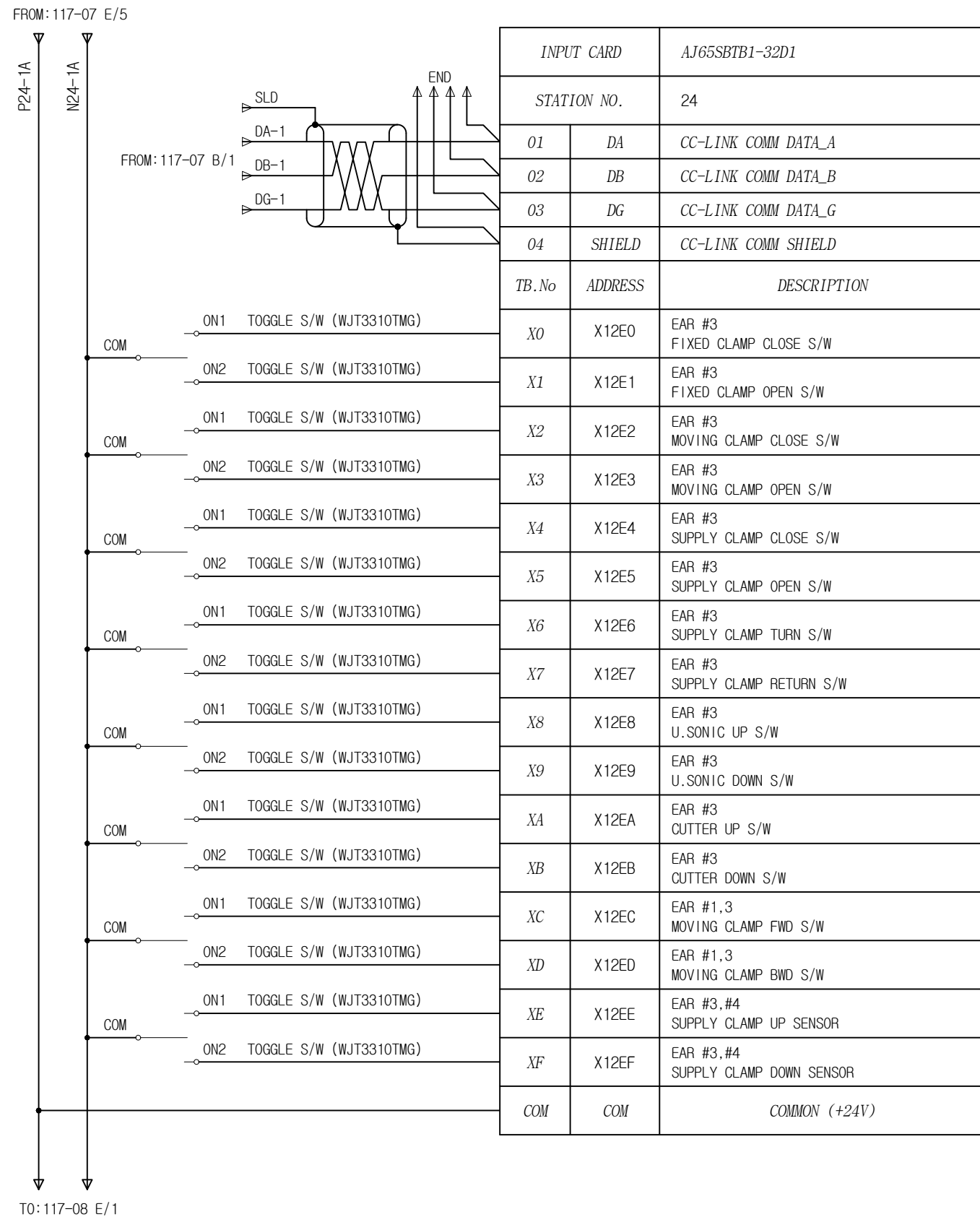
N24-1C

PE-R23



05	+24V	MODULE POSITIVE POWER
06	FG	FREAM GROUND
07	-24V	MODULE NEGATIVE POWER
TB.No	ADDRESS	DESCRIPTION
X10	X12D0	EAR #2 FIXED CLAMP CLOSE S/W
X11	X12D1	EAR #2 FIXED CLAMP OPEN S/W
X12	X12D2	EAR #2 MOVING CLAMP CLOSE S/W
X13	X12D3	EAR #2 MOVING CLAMP OPEN S/W
X14	X12D4	EAR #2 SUPPLY CLAMP CLOSE S/W
X15	X12D5	EAR #2 SUPPLY CLAMP OPEN S/W
X16	X12D6	EAR #2 SUPPLY CLAMP TURN S/W
X17	X12D7	EAR #2 SUPPLY CLAMP RETURN S/W
X18	X12D8	EAR #2 U.SONIC UP S/W
X19	X12D9	EAR #2 U.SONIC DOWN S/W
X1A	X12DA	EAR #2 CUTTER UP S/W
X1B	X12DB	EAR #2 CUTTER DOWN S/W
X1C	X12DC	EAR #2,4 MOVING CLAMP FWD S/W
X1D	X12DD	EAR #2,4 MOVING CLAMP BWD S/W
X1E	X12DE	EAR #1,#2 SUPPLY CLAMP UP SENSOR
X1F	X12DF	EAR #1,#2 SUPPLY CLAMP DOWN SENSOR
COM	COM	COMMON (+24V)

	1st REVISION		CORRECT		2nd REVISION		CORRECT		3rd REVISION		CORRECT		4th REVISION		CORRECT		
DATE	-		-		DATE	-		-		DATE	-		-		-		
PROJECT		MASK LINE(A)								TITLE		MASK 설비					
UNIT	mm	SCALE	1/1	DATE		2020. 04. 06				REMOTE CARD 7							
 TOPTEC				DESIGN		CHECK		APPROVED		DWG. NO.		SNZ20009-MASK-117-07					
				Y.D.J		A.Y.J		K.Y.J									



	1st REVISION	CORRECT		2nd REVISION	CORRECT		3rd REVISION	CORRECT		4th REVISION	CORRECT
DATE		-	DATE	-	-	DATE	-	-	DATE	-	-
PROJECT MASK LINE(A)						TITLE	MASK 설비				
UNIT	mm	SCALE	1/2	DATE	2020.04.06		REMOTE CARD 8				
				DESIGN	CHECK		APPROVED	DWG. NO	SNZ20009-MASK-117-08		
				Y, D, J	A, Y, J	K, Y, J					