

EXPRESS-AS380MRL전기도면

현 장 명 : EXPRESS-AS380H 통합도면
발 주 처 :

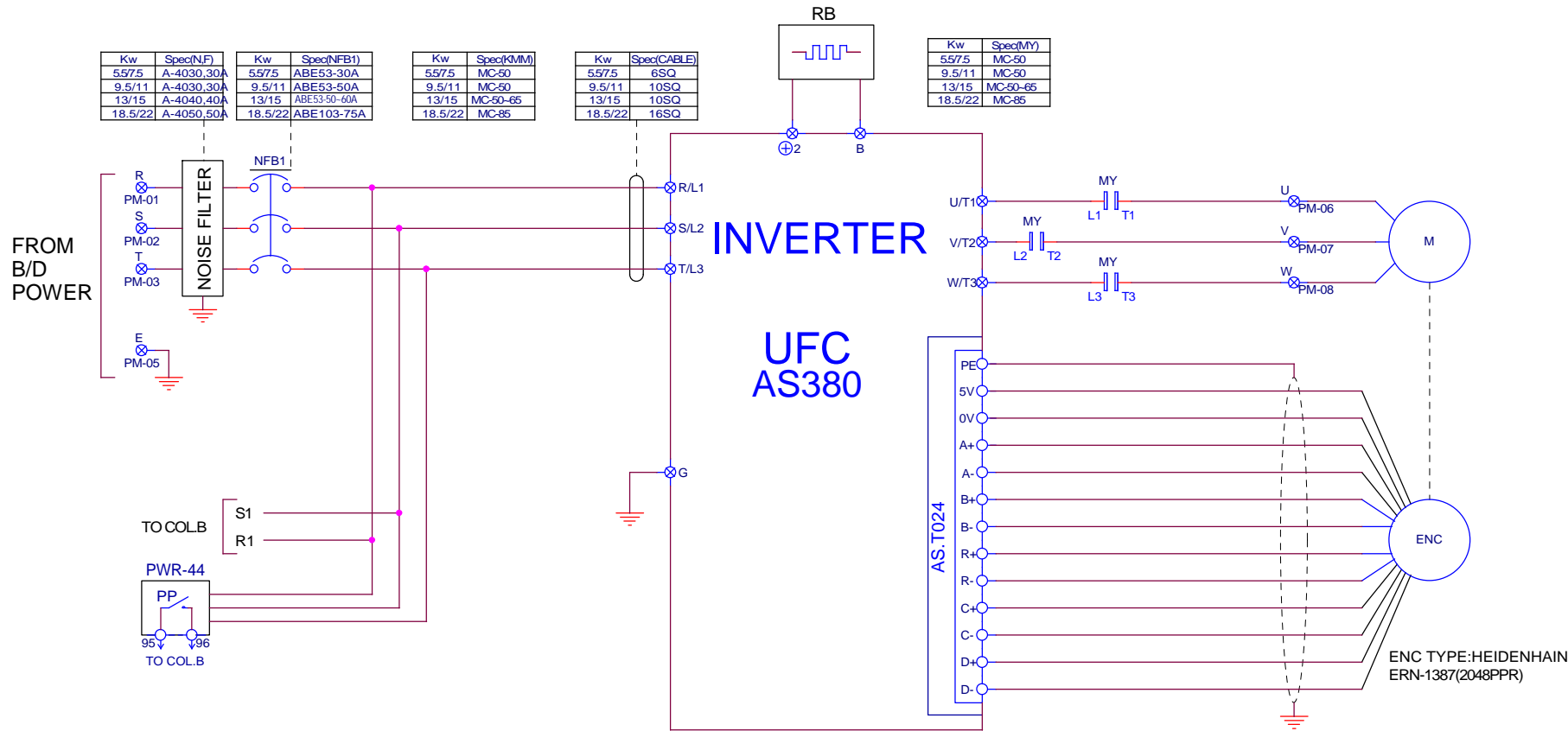
EXPRESS LIFT Co.,LTD

11	COL.K	SYMBOL SPECIFIC	
10	COL.J	카주워 및 운전반 결선도	CARTOP-AS380
9	COL.I	기계실 및 승강로 결선도	
8	COL.H	회로 결선도 (전체 계통도)	
7	COL.G	LIGHT & INTERPHONE CIRCUIT	
6	COL.F	HALL DISPLAY & CALL CONTROL	SM-04
5	COL.E	CAR CONTROL CIRCUIT	SM-02,SM-03
4	COL.D	DOOR CONTROL CIRCUIT	DCB
3	COL.C	MAIN CONTROL CIRCUIT	AST029
2	COL.B	POWER & SAFETY CIRCUIT	POWER-AS380
1	COL.A	TRACTION CIRCUIT	INVERTER
NO	COL.NO	DESCRIPTION	NOTE

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COL.A



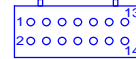
PM 단자대(동력단자대)		
NO	NAME	DEFINITION
PM-01	R	380V FROM B/D
PM-02	S	380V FROM B/D
PM-03	T	380V FROM B/D
PM-04	N	NEUTRAL
PM-05	PE	EARTH
PM-06	U	MOTOR -U
PM-07	V	MOTOR -V
PM-08	W	MOTOR -W
PM-09	L1	AC220V-B/D
PM-10	L2	AC220V-B/D

PA 단자대		
NO	NAME	DEFINITION
PA-01	BK1	BRAKE COIL1 +
PA-02	BK2	BRAKE COIL2 +
PA-03	BK3	BRAKE COIL -
PA-04	GOP	GOV-RESET COIL
PA-05	GTR	GOV-TRIP COIL
PA-06	G00	GOV COIL COM
PA-07	N24	COM
PA-08	N24	COM
PA-09	BX1	BRAKE OPEN SW1
PA-10	BX2	BRAKE OPEN SW2
PA-11	THX	MOTOR TH OPEN
PA-12	P111	SAFETY-GOV
PA-13	P112	SAFETY-M/C ROOM
PA-14	ARD	ARD OPERATION
PA-15	N24	COM

TA 단자대		
NO	NAME	DEFINITION
TA-01	P110	SAFETY (AC100)
TA-02	P111	SAFETY-CP
TA-03	P112	SAFETY-M ROOM
TA-04	P114	SAFETY-HOISTWAY
TA-05	P115	SAFETY-E/STOP
TA-06	P116	SAFETY-EXIT
TA-07	P117	SAFETY-END
TA-08	P118	GATE S/W
TA-09	P119	HATCH DOOR S/W
TA-10	PFR	SAFETY-FIRE

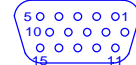
TB 단자대		
NO	NAME	DEFINITION
TB-01	PE	EARTH
TB-02	F10	0V-AC110V
TB-03	L1A	SAFETY AC110V
TB-04	MR	DOOR POWER
TB-05	MS	DOOR POWER
TB-06	L22	AC220V
TB-07	F22	AC220V
TB-08	L21	AC220V
TB-09	P24	+24DCV POWER
TB-10	N24	0V DC24

엔코더기판에 콘넥터를 꽂은상태에서의 PIN번호



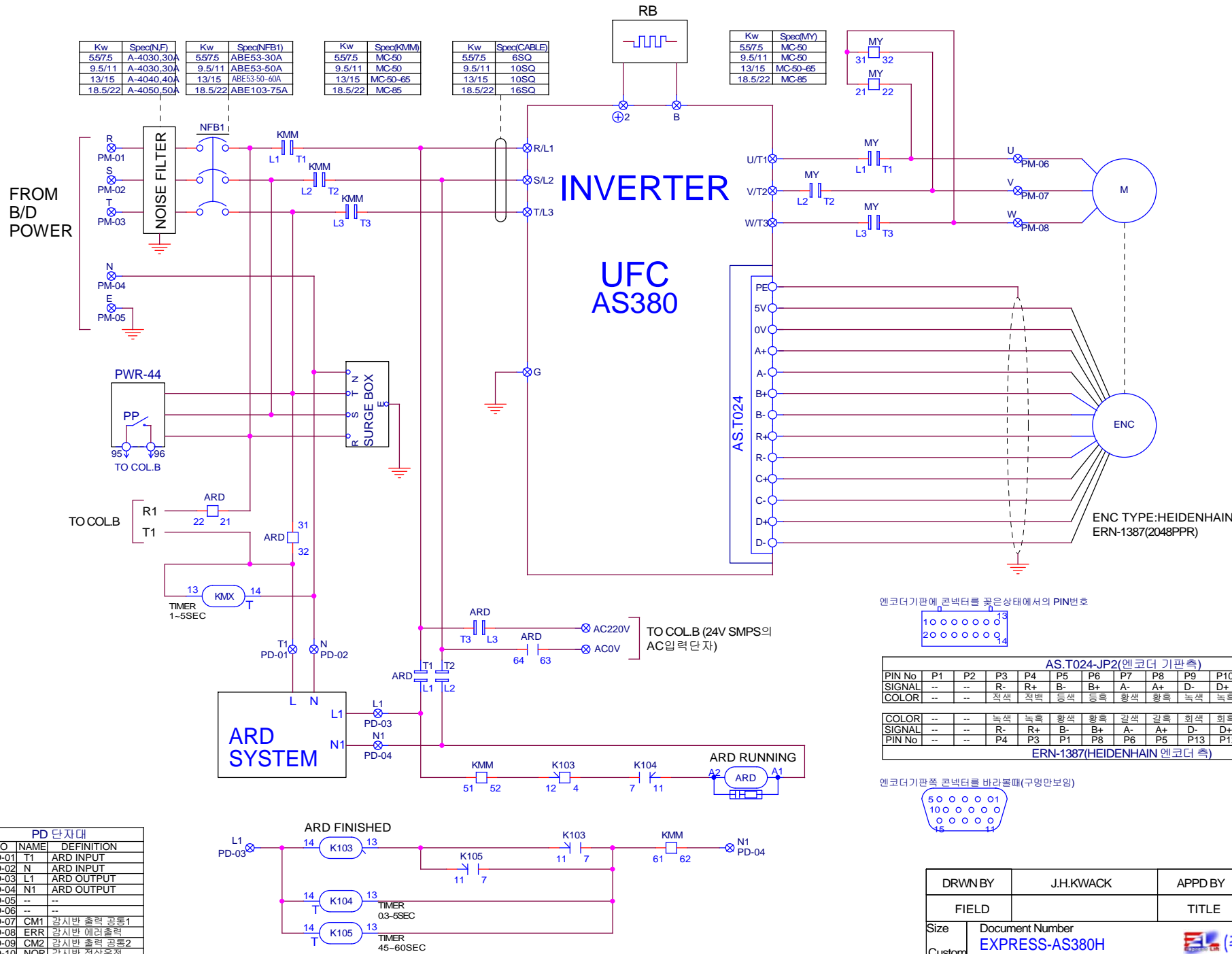
AS.T024-JP2(엔코더 기판측)															
PIN No	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
SIGNAL	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V	GND
COLOR	--	--	적색	적백	등색	등흑	황색	황흑	녹색	녹흑	청색	청흑	흑색	흑백	--
ERN-1387(HEIDENHAIN 엔코더 측)															
COLOR	--	--	녹색	녹흑	황색	황흑	갈색	갈흑	회색	회흑	백색	백흑	적색	흑색	--
SIGNAL	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V	--
PIN No	--	--	P4	P3	P1	P8	P6	P5	P13	P12	P10	P11	P7	P9	--

엔코더기판쪽 콘넥터를 바라볼때(구멍안보임)



DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	TRACTION CIRCUIT
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COL.A-ARD



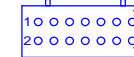
PM 단자대(동력단자대)		
NO	NAME	DEFINITION
PM-01	R	380V FROM B/D
PM-02	S	380V FROM B/D
PM-03	T	380V FROM B/D
PM-04	N	NEUTRAL
PM-05	PE	EARTH
PM-06	U	MOTOR -U
PM-07	V	MOTOR -V
PM-08	W	MOTOR -W
PM-09	L1	AC220V-B/D
PM-10	L2	AC220V-B/D

PA 단자대		
NO	NAME	DEFINITION
PA-01	BK1	BRAKE COIL 1 +
PA-02	BK2	BRAKE COIL 2 +
PA-03	BK3	BRAKE COIL -
PA-04	GOP	GOV-RESET COIL
PA-05	GTR	GOV-TRIP COIL
PA-06	G00	GOV COIL COM
PA-07	N24	COM
PA-08	N24	COM
PA-09	BX1	BRAKE OPEN SW1
PA-10	BX2	BRAKE OPEN SW2
PA-11	THX	MOTOR TH OPEN
PA-12	P111	SAFETY-GOV
PA-13	P112	SAFETY-M/C ROOM
PA-14	ARD	ARD OPERATION
PA-15	N24	COM

TA 단자대		
NO	NAME	DEFINITION
TA-01	P110	SAFETY (AC100)
TA-02	P111	SAFETY-CP
TA-03	P112	SAFETY-M ROOM
TA-04	P114	SAFETY-HOISTWAY
TA-05	P115	SAFETY-E/STOP
TA-06	P116	SAFETY-EXIT
TA-07	P117	SAFETY-END
TA-08	P118	GATE S/W
TA-09	P119	HATCH DOOR S/W
TA-10	PFR	SAFETY-FIRE

TB 단자대		
NO	NAME	DEFINITION
TB-01	PE	EARTH
TB-02	F10	0V-AC110V
TB-03	L1A	SAFETY AC110V
TB-04	MR	DOOR POWER
TB-05	MS	DOOR POWER
TB-06	L22	AC220V
TB-07	F22	AC220V
TB-08	L21	AC220V
TB-09	P24	+24DCV POWER
TB-10	N24	0V DC24

엔코더기판에 콘넥터를 꽂은상태에서의 PIN번호



AS.T024-JP2(엔코더 기판측)

PIN No	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
SIGNAL	--	--	적색	적백	등색	등흑	황색	황흑	녹색	녹흑	C+	C-	0V	5V	GND
COLOR	--	--	적색	적백	등색	등흑	황색	황흑	녹색	녹흑	청색	청흑	흑색	흑백	--

COLOR	--	--	녹색	녹흑	황색	황흑	갈색	갈흑	회색	회흑	백색	백흑	적색	흑색	--
SIGNAL	--	--	R-	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V	--	--
PIN No	--	--	P4	P3	P1	P8	P6	P5	P13	P12	P10	P11	P7	P9	--

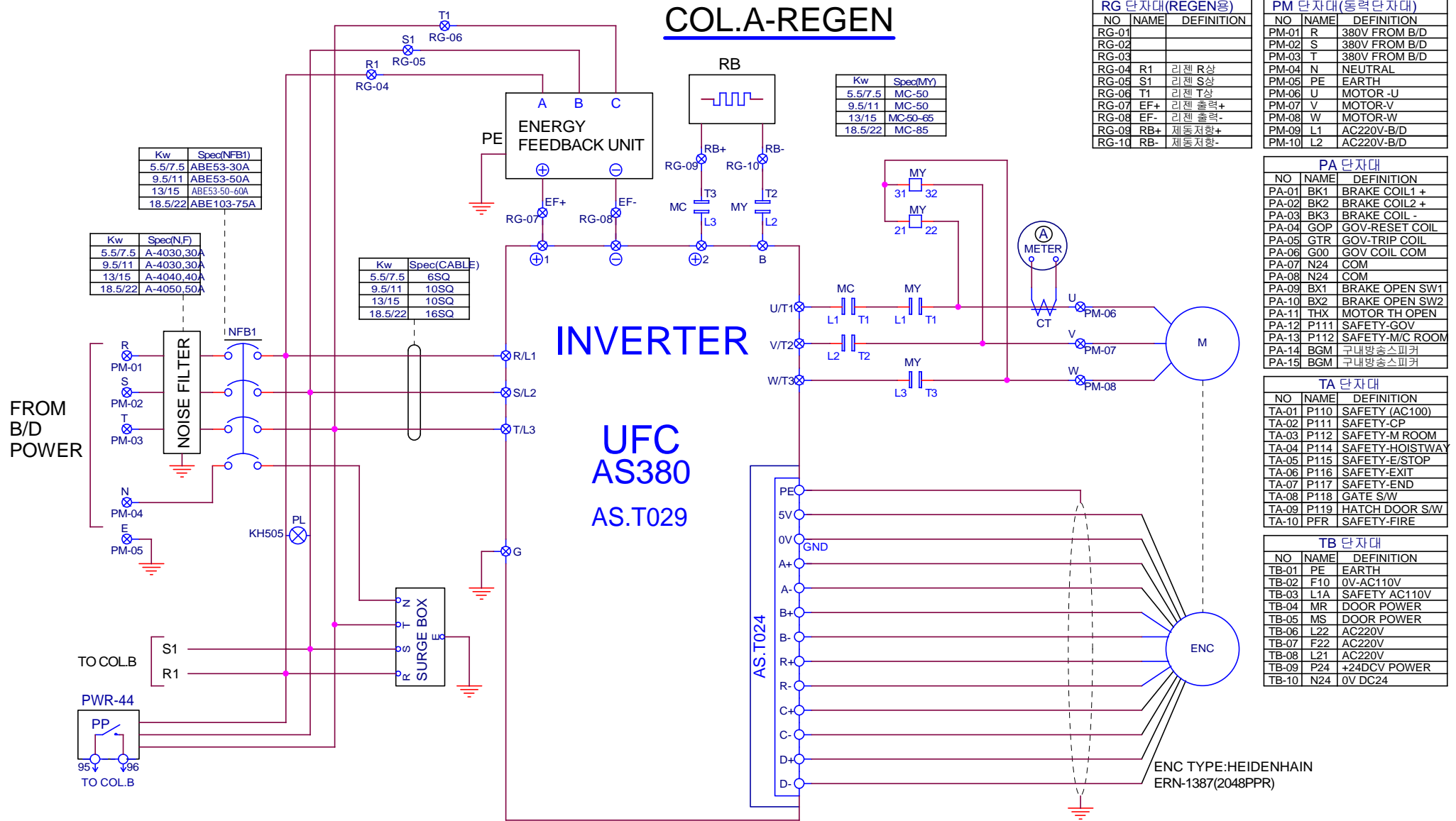
ERN-1387(HEIDENHAIN 엔코더 측)

엔코더기판측 콘넥터를 바라볼때(구멍안보임)

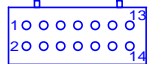


DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD	TRACTION CIRCUIT		
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COL.A-REGEN



엔코더기판에 콘넥터를 꽂은상태에서의 PIN번호

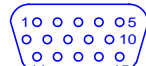


AS.T024-JP2(엔코더 기판측)

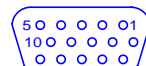
PIN No	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
SIGNAL	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V	GND
COLOR	--	--	적색	적색	황색	청색	청색	녹색	노란	노란	노란	회색	회색	회색	--
COLOR	--	--	흑색	적색	황색	청색	청색	녹색	노란	노란	노란	회색	회색	회색	--
SIGNAL	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V	--
PIN No	--	--	P4	P3	P1	P8	P6	P5	P13	P12	P10	P11	P7	P9	--

ERN-1387(HEIDENHAIN 엔코더 측 3M 연장선)

엔코더기판쪽 콘넥터를 바라볼때(구멍만보임)



엔코더측 콘넥터를 바라볼때(핀만보임)



NO	NAME	DEFINITION
RG-01	R	380V FROM B/D
RG-02	S	380V FROM B/D
RG-03	T	380V FROM B/D
RG-04	R1	리제 R상
RG-05	S1	리제 S상
RG-06	T1	리제 T상
RG-07	EF+	리제 출력+
RG-08	EF-	리제 출력-
RG-09	RB+	제동저항+
RG-10	RB-	제동저항-

NO	NAME	DEFINITION
PM-01	R	380V FROM B/D
PM-02	S	380V FROM B/D
PM-03	T	380V FROM B/D
PM-04	N	NEUTRAL
PM-05	PE	EARTH
PM-06	U	MOTOR-U
PM-07	V	MOTOR-V
PM-08	W	MOTOR-W
PM-09	L1	AC220V-B/D
PM-10	L2	AC220V-B/D

NO	NAME	DEFINITION
PA-01	BK1	BRAKE COIL1 +
PA-02	BK2	BRAKE COIL2 +
PA-03	BK3	BRAKE COIL -
PA-04	GOP	GOV-RESET COIL
PA-05	GTR	GOV-TRIP COIL
PA-06	G00	GOV COIL COM
PA-07	N24	COM
PA-08	N24	COM
PA-09	BX1	BRAKE OPEN SW1
PA-10	BX2	BRAKE OPEN SW2
PA-11	THX	MOTOR TH OPEN
PA-12	P111	SAFETY-GOV
PA-13	P112	SAFETY-M/C ROOM
PA-14	BGM	구내방송스피커
PA-15	BGM	구내방송스피커

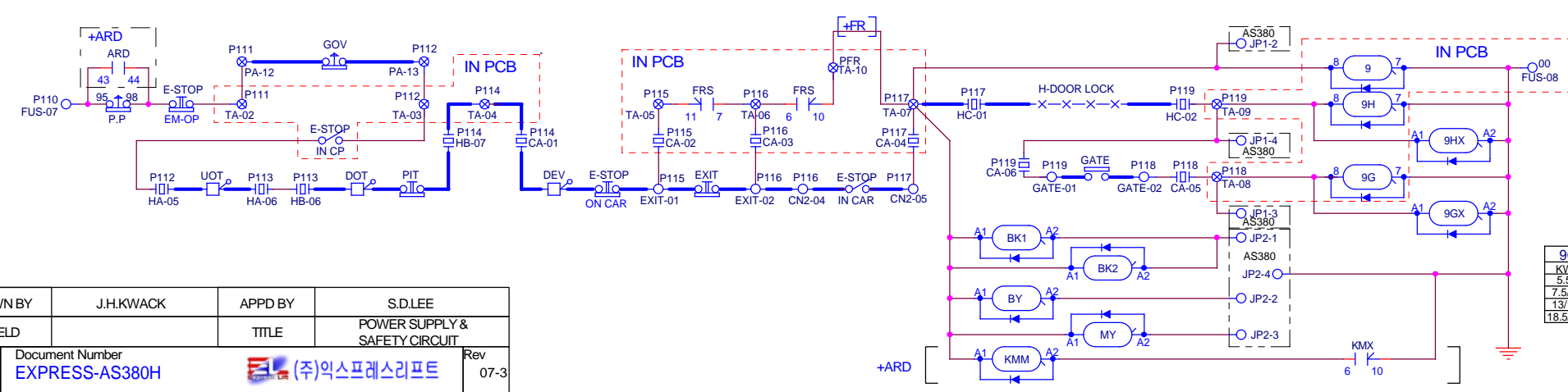
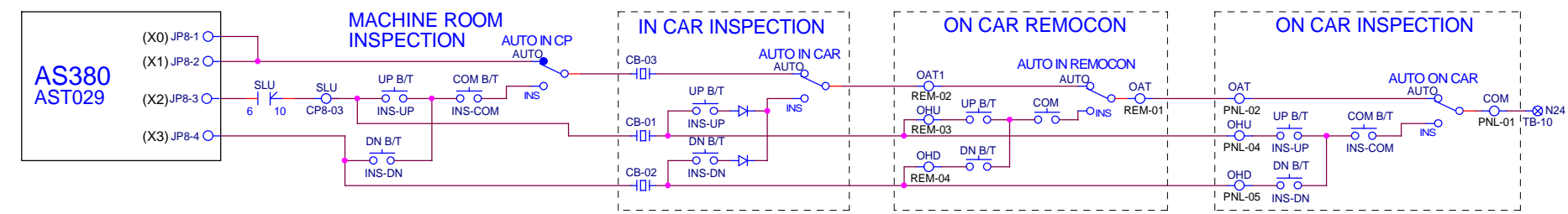
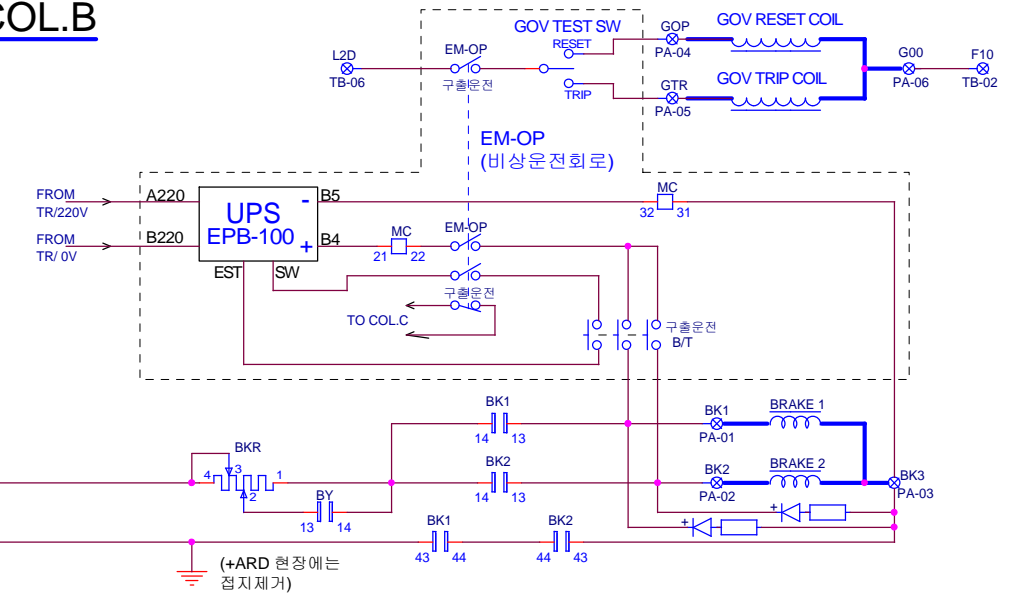
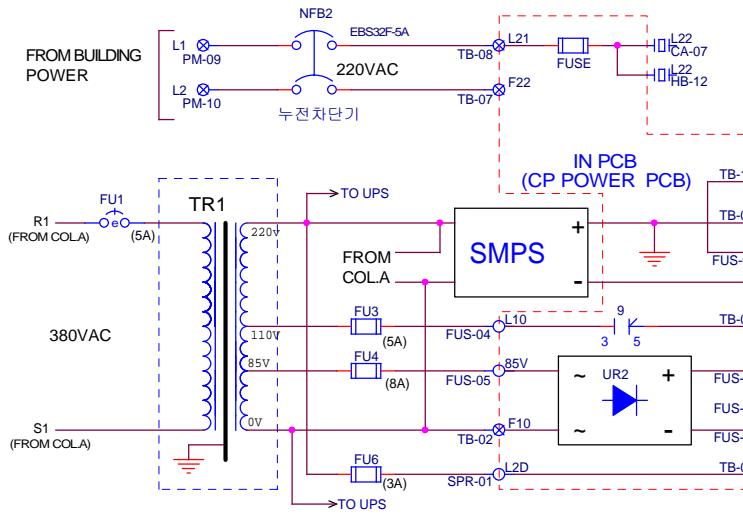
NO	NAME	DEFINITION
TA-01	P110	SAFETY (AC100)
TA-02	P111	SAFETY-CP
TA-03	P112	SAFETY-M ROOM
TA-04	P114	SAFETY-HOISTWAY
TA-05	P115	SAFETY-E/STOP
TA-06	P116	SAFETY-EXIT
TA-07	P117	SAFETY-END
TA-08	P118	GATE S/W
TA-09	P119	HATCH DOOR S/W
TA-10	PFR	SAFETY-FIRE

NO	NAME	DEFINITION
TB-01	PE	EARTH
TB-02	F10	0V-AC110V
TB-03	L1A	SAFETY AC110V
TB-04	MR	DOOR POWER
TB-05	MS	DOOR POWER
TB-06	L22	AC220V
TB-07	F22	AC220V
TB-08	L21	AC220V
TB-09	P24	+24DCV POWER
TB-10	N24	0V DC24

ENC TYPE:HEIDENHAIN
ERN-1387(2048PPR)

DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	TRACTION CIRCUIT
Size	Document Number		Rev
Custom	EXPRESS-AS380H	(주)익스프레스리프트	07-3
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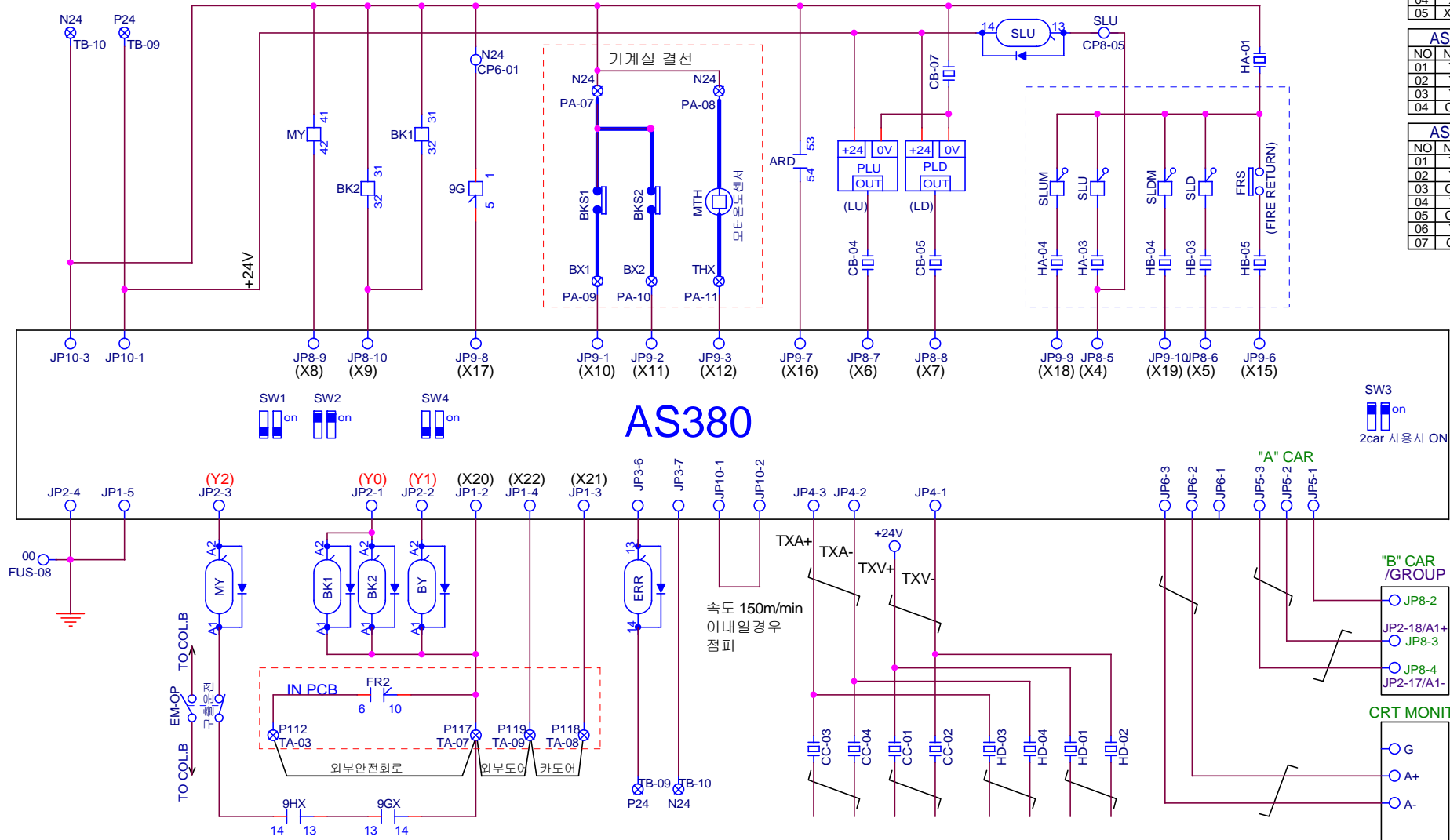
COL.B



9GX,9HX SPEC			
KW	SPEC	제조사	
5.5	MR-4	LS산전	
7.5/11	MR-4	LS산전	
13/15	MR-4	LS산전	
18.5/22	MR-4	LS산전	

DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	POWER SUPPLY & SAFETY CIRCUIT
Size	Document Number		Rev
Custom	EXPRESS-AS380H		07-3
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COL.C



AS380-JP1		
NO	NAME	DEFINITION
01	XCOM	X COMMON
02	X20	SAFETY LOOP
03	X21	CAR DOOR
04	X22	DOOR LOCK
05	XCOM	X COMMON

AS380-JP2		
NO	NAME	DEFINITION
01	Y0	BK OUTPUT
02	Y1	BY OUTPUT
03	Y2	MY OUTPUT
04	COM1	Y COMMON

AS380-JP3		
NO	NAME	DEFINITION
01	Y3	DR-FREE OP
02	Y4	EM-LEVEL
03	COM2	Y COMMON
04	Y5	FIRE OUT
05	COM3	Y5 COMMON
06	Y6	--
07	COM4	--

AS380-JP4		
NO	NAME	DEFINITION
01	N24	0VDC
02	TXA+	CAN0H
03	TXA-	CAN0L

AS380-JP5		
NO	NAME	DEFINITION
01	N24	0VDC
02	TXA1+	CAN1H
03	TXA1-	CAN1L

AS380-JP6		
NO	NAME	DEFINITION
01	N24	0VDC
02	TXA2+	CAN2H
03	TXA2-	CAN2L

AS380-JP7		
NO	NAME	DEFINITION
01	G5VIO	5V의 0V
02	+5VIO	+5V DC
03		
04	G24VIO	24V의 0V
05	+24VIO	+24V DC

AS380-JP8		
NO	NAME	DEFINITION
01	X0	AUTO INPUT
02	X1	AUTO INPUT
03	X2	INS-UP
04	X3	INS-DOWN
05	X4	SLU INPUT
06	X5	SLD INPUT
07	X6	UP LEVEL
08	X7	DOWN LEVEL
09	X8	MY CHECK
10	X9	BK CHECK

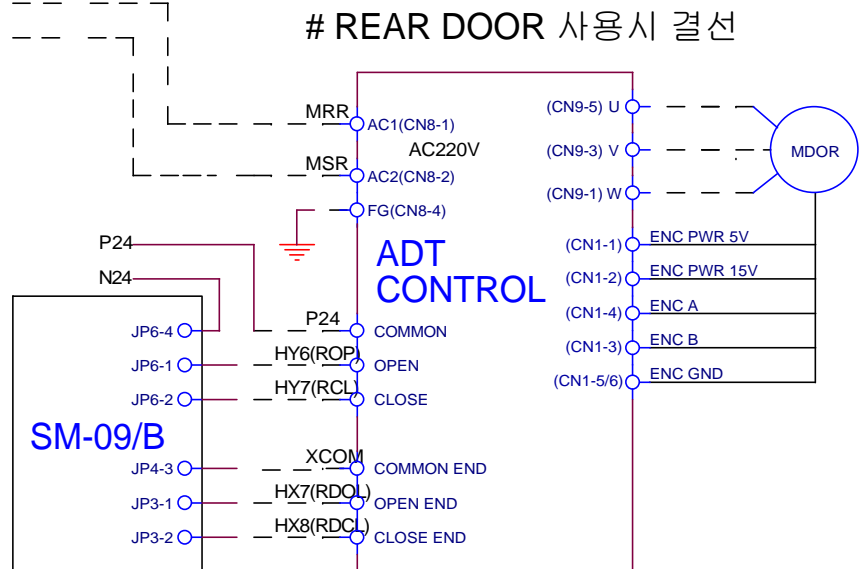
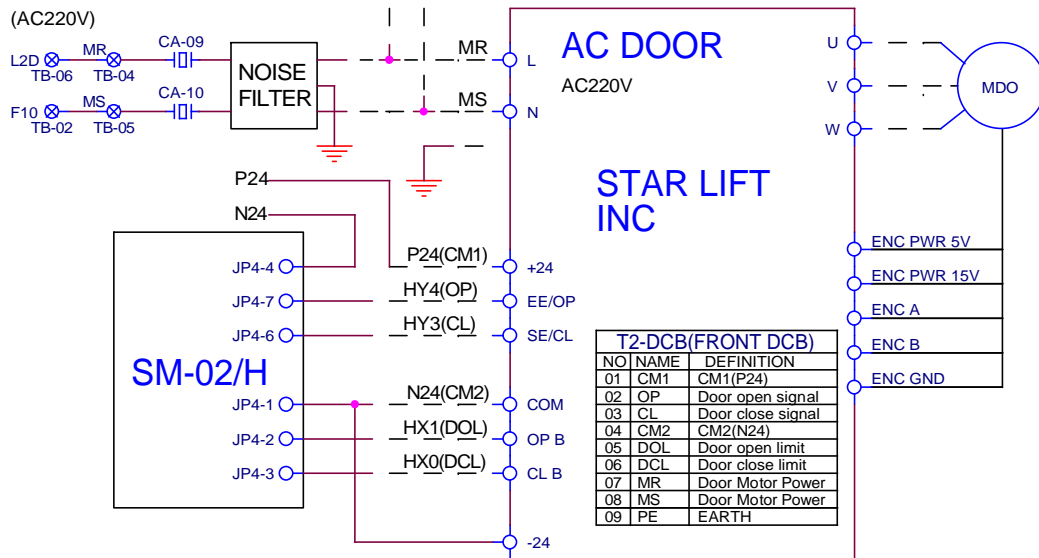
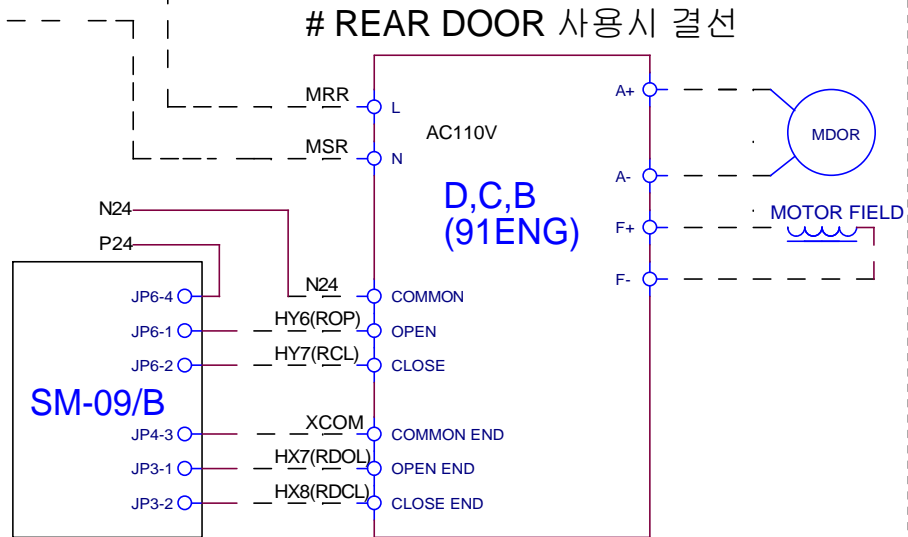
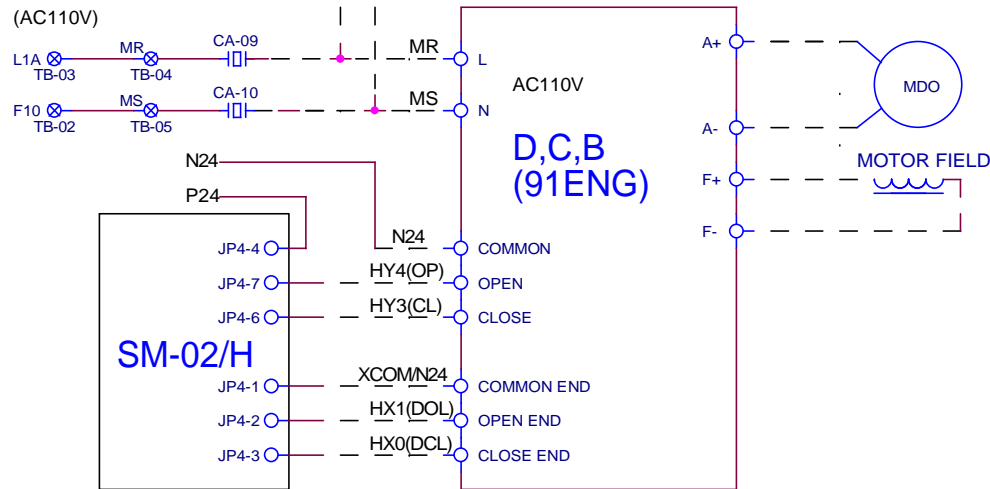
AS380-JP9		
NO	NAME	DEFINITION
01	X10	BKX스위치확인
02	X11	BKY스위치확인
03	X12	MTH스위치확인
04	X13	DR-FREE OP
05	X14	DOOR ZONE
06	X15	FIRE RETURN
07	X16	EQ INPUT
08	X17	DOOR SW확인
09	X18	SLUM INPUT
10	X19	SLDM INPUT

AS380-JP10		
NO	NAME	DEFINITION
01	P24	+24V DC
02	VSIO	
03	N24	0V DC24V

AS380-JP11		
NO	NAME	DEFINITION
01	G	0VDC
02	AN-	ANALOG IN-
03	AN+	ANALOG IN+

DRWN BY		J.H.KWACK	APPD BY		S.D.LEE	
FIELD			TITLE		CONTROL CIRCUIT SM-01	
Size	Document Number					Rev
Custom	 (주)익스프레스리프트					07-3
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COL.D



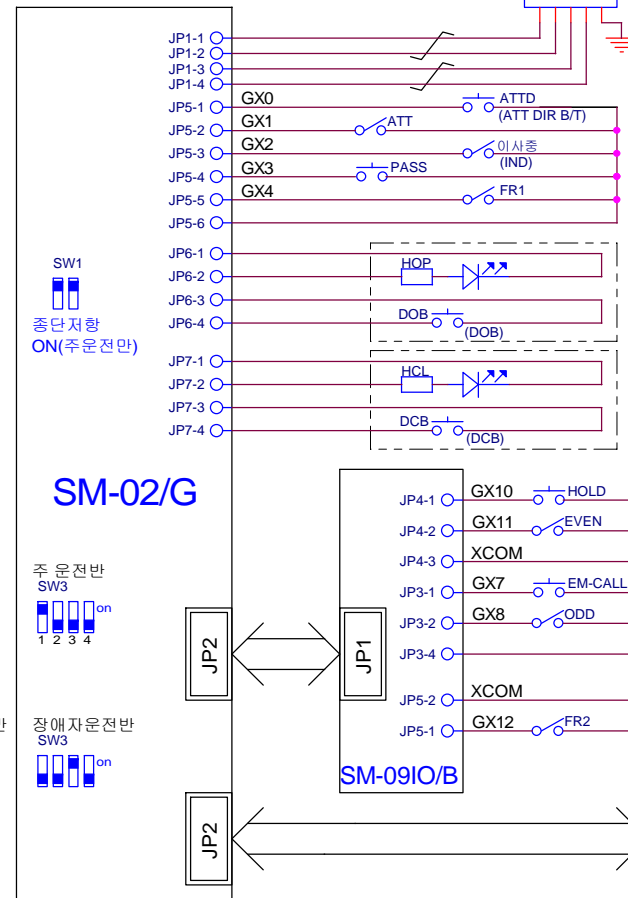
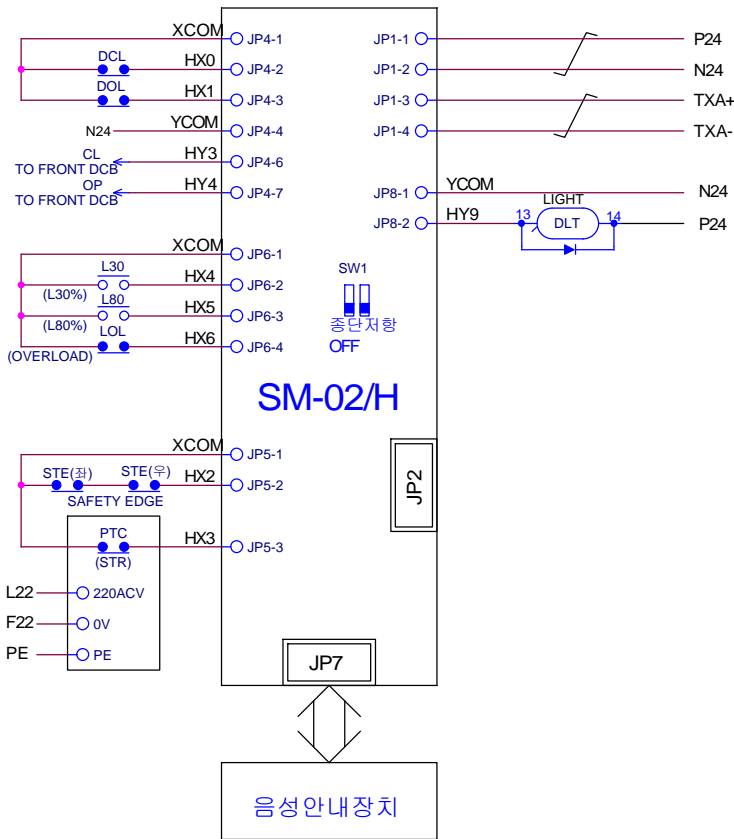
DOL/DCL은 반드시 NOMAL CLOSE(B점점)으로 선택해주세요
(도어가 중간에있을때 DOL/DCL신호가 ON되어야합니다)

DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	DOOR CONTROL CIRCUIT
Size	Document Number	EXPRESS-AS380H	
Custom			
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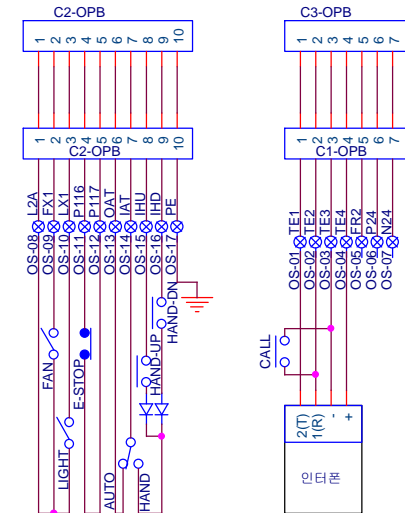
(주)익스프레스리프트

Rev 07-3

COL.E



FROM CARTOP PCB



SM02/H-JP1		
NO	NAME	DEFINITION
01	P24	POWER IN+
02	N24	POWER IN-
03	TXA+	CANH
04	TXA-	CANL

SM02/H-JP6		
NO	NAME	DEFINITION
01	XCOM	HX4,5,6의 공통
02	L30	HX4-L30%
03	L80	HX5-L80%
04	LOL	HX6-OVERLOAD

SM09IO/B-JP3(REAR)		
NO	NAME	DEFINITION
01	RDOL	HX7-R OP-END
02	RDCL	HX8-R CL-END
03	PTCR	HX9-R PTS
04	P24	HX7,8,9의 P24

SM09IO/B-JP8(REAR)		
NO	NAME	DEFINITION
01	--	HY10--
02	YCOM	HY10의 공통

SM02/G-JP1(OPB)		
NO	NAME	DEFINITION
01	P24	POWER IN+
02	N24	POWER IN-
03	TXA+	CANH
04	TXA-	CANL

SM09IO/B-JP3(OPB)		
NO	NAME	DEFINITION
01	GX7	GX7--
02	GX8	GX8--
03	GX9	GX9--
04	P24	GX7-9의 P24

SM02/H-JP3		
NO	NAME	DEFINITION
01	YCOM	HY0,1의 COM
02	CMD	HY0-DOWN공
03	CMU	HY1-UP도착공
04	N24	POWER IN-
05	P24	POWER IN+

SM02/H-JP7		
NO	NAME	DEFINITION
01	BIT0	VOICE D0
02	BIT1	VOICE D1
03	BIT2	VOICE D2
04	BIT3	VOICE D3
05	BIT4	VOICE D4
06	BIT5	VOICE D5
07	BIT6	VOICE D6
08	BIT7	VOICE D7
09	0V	POWER IN-
10	+24V	POWER IN+

SM09IO/B-JP4(REAR)		
NO	NAME	DEFINITION
01	RSTE	HX10-R STE
02	--	HX11--
03	XCOM	HX10,11의 공통

SM09IO/B-JP9(REAR)		
NO	NAME	DEFINITION
01	--	HY11--
02	YCOM	HY11의 공통

SM02/G-JP5(OPB)		
NO	NAME	DEFINITION
01	ATD	GX0-ATT DIREC
02	ATT	GX1-ATT IN
03	IND	GX2-IND IN
04	PAS	GX3-ATT PASS
05	FR1	GX4-FIRE 1ST
06	XCOM	GX0-4의 공통

SM09IO/B-JP4(OPB)		
NO	NAME	DEFINITION
01	GX10	GX10-HOLD OP
02	GX11	GX11-NS SW
03	XCOM	GX10,11의 공통

SM02/H-JP4		
NO	NAME	DEFINITION
01	XCOM	HX0,1의 COM
02	DCL	HX0-CLOS END
03	DOL	HX1-OPEN END
04	YCOM	HY2,3의 COM
05	FCL	HY2-경계CLOSE
06	CL	HY3-CLOSE
07	OP	HY4-OPEN신호

SM02/H-JP8		
NO	NAME	DEFINITION
01	YCOM	HY5의 COM
02	DLT	HY5-DLT출력

SM09IO/B-JP5(REAR)		
NO	NAME	DEFINITION
01	--	HX12--
02	XCOM	HX12의 공통

SM09IO/B-JP6(REAR)		
NO	NAME	DEFINITION
01	OPR	HY6-R OPEN
02	CLR	HY7-R CLOSE
03	NUD	HY8-R NUDG
04	YCOM	HY6,7,8의 공통

SM02/G-JP6(OPB)		
NO	NAME	DEFINITION
01	OP-	OPEN LAMP-
02	OP+	OPEN LAMP+
03	DOB	OPEN B/T
04	N24	OPEN B/T

SM09IO/B-JP5(OPB)		
NO	NAME	DEFINITION
01	GX12	GX12--
02	XCOM	GX12의 공통

SM02/H-JP5		
NO	NAME	DEFINITION
01	XCOM	HX2,3의 COM
02	STE	HX2-STE신호
03	PTC	HX3-PTC신호

SM09IO/B-JP7(REAR)		
NO	NAME	DEFINITION
01	--	HY9--
02	YCOM	HY9의 공통

SM09IO/B-JP6(REAR)		
NO	NAME	DEFINITION
01	OPR	HY6-R OPEN
02	CLR	HY7-R CLOSE
03	NUD	HY8-R NUDG
04	YCOM	HY6,7,8의 공통

SM02/G-JP7(OPB)		
NO	NAME	DEFINITION
01	CL-	CLOS LAMP-
02	CL+	CLOS LAMP+
03	DCB	CLOSE B/T
04	N24	CLOSE B/T

SM09IO/B-JP6(OPB)		
NO	NAME	DEFINITION
01	HOLD	GY0-HOLD출력
02	GY1	GY1--
03	GY2	GY2--
04	YCOM	GY0-2의 공통

SM09IO/B-JP7(OPB)		
NO	NAME	DEFINITION
01	GY3	GY3--
02	YCOM	GY3의 공통

DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	CONTROL CIRCUIT SM-02
Size	Document Number		Rev
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COL.F

파킹층의 통신기판(SM-04)의 JP-3과4번핀은 파킹스위치 전용입니다.

고장으로 잠시 정지중이오니,
비상통화버튼을 눌러
주십시오.

OVER-LOAD

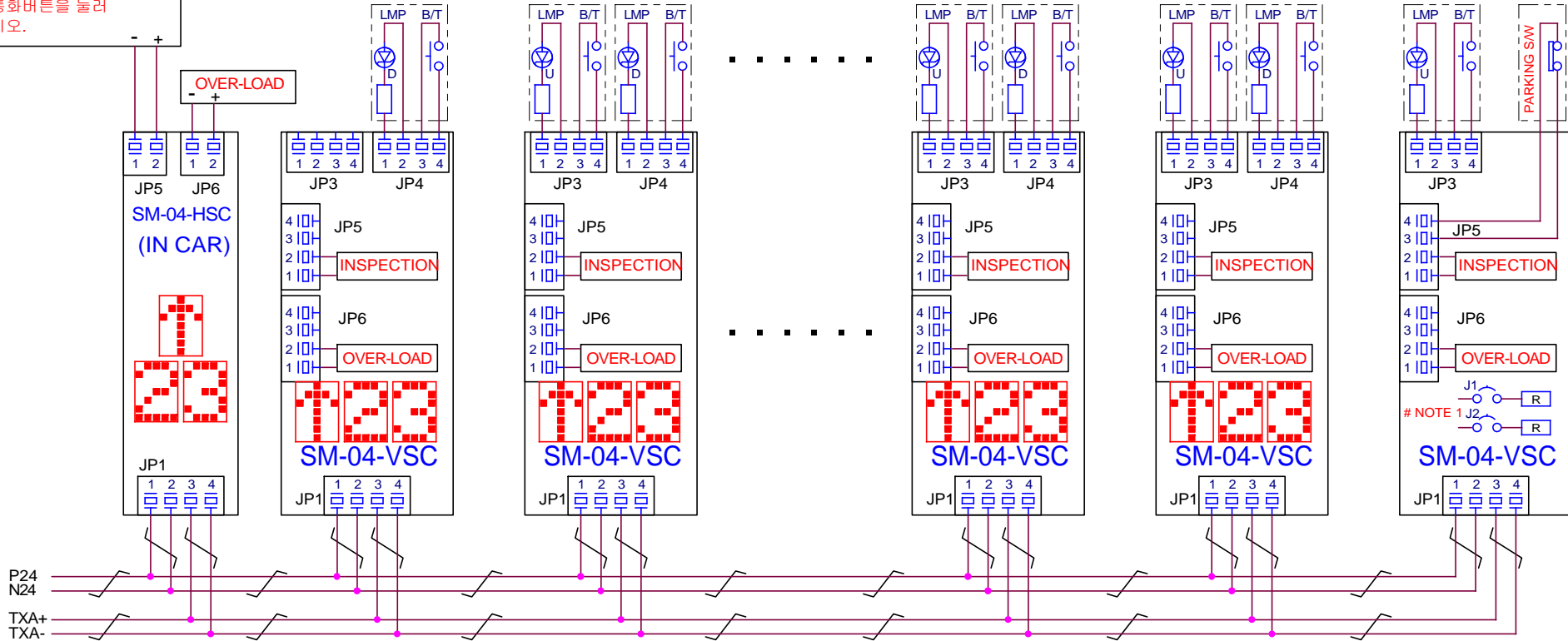
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최상-1층

3층

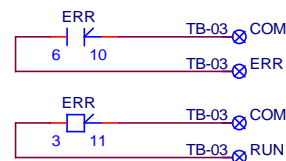
2층

1층



HD-4C(0.75TW)		
NO	NAME	DEFINITION
01	TXV+/P24	+24VDC
02	TXV-/N24	0VDC
03	TXA+	COMM
04	TXA-	COMM
05	PE	EARTH

감시반 점등 출력



최하층의 통신기판은 반드시 종단저항을 접퍼시켜야합니다(HSC,VSC는 J1과J2의 접퍼핀을 삽입시킵니다.)

SM-04 PCB FLOOR ADDRESS 입력방법

S1 JUMPER PIN이 꽂힌 상태에서 외부버튼 UP/DOWN을 누르면 디지털에 숫자가 올라가고 내려갑니다. 최하층을 1로 기준하여 두번째층은 2 다음은 3,4..순서로 각층을 차례대로 층의 값을 넣고 S1 JUMPER PIN을 빼면 층 값이 입력됩니다.

REAR(후면층) 최하층은 49를 기준하여 두번째층은 50다음은 51,52..순서로 층의 값을 입력함.

DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	HALL CALL CIRCUIT SM-04
Size	Document Number	 (주)익스프레스리프트	
Custom	EXPRESS-AS380H		
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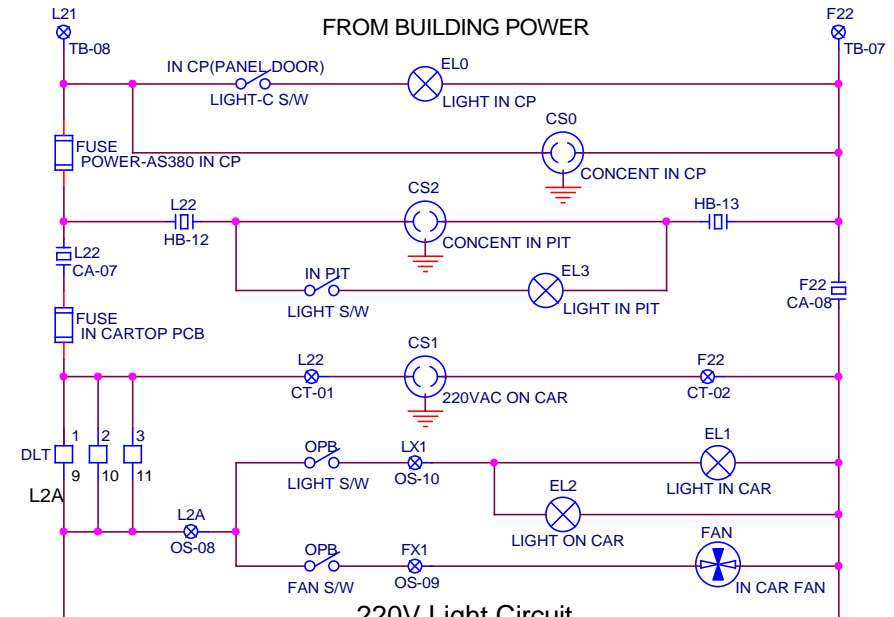
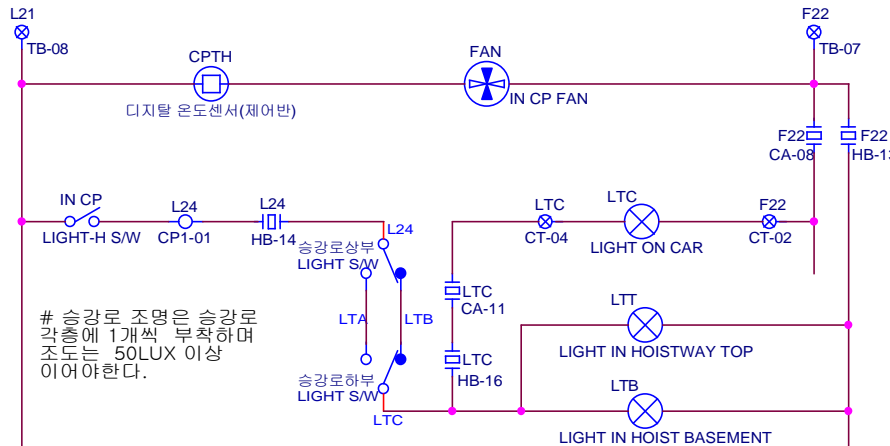
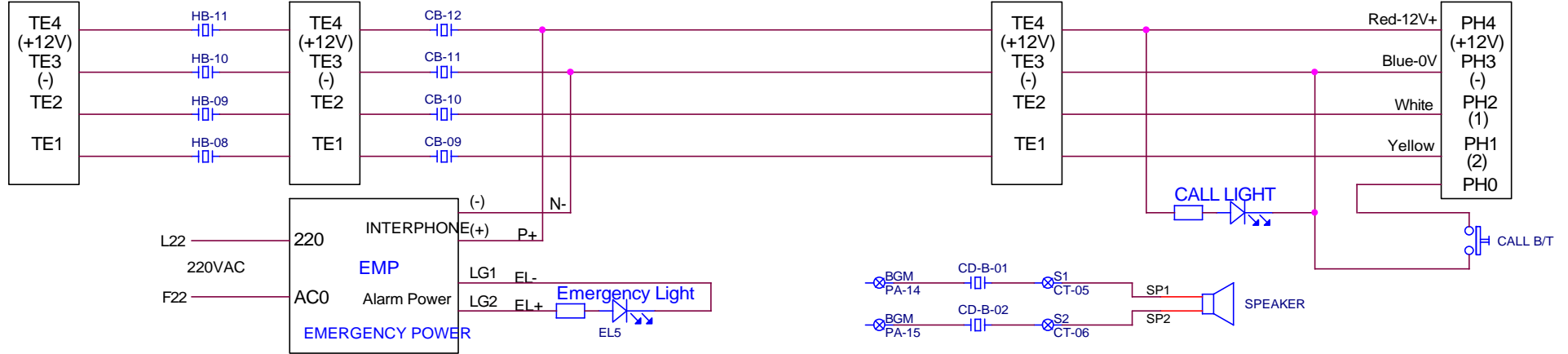
COL.G

경비실 인터폰

Machine Room

Car Top

In car



220V Light Circuit

NO	NAME	DEFINITION
01	N24	Common
02	DL	DOWN-Limit
03	SLD	Slow-down(dn)
04	SLDM	Slow-down(dn1)
05	FRS	FIRE RETURN
06	P113	Safety DOT
07	P114	Safety PIT
08	TE1	INTERPHONE
09	TE2	INTERPHONE
10	TE3	INTERPHONE
11	TE4	INTERPHONE
12	L22	AC220V
13	F22	AC220V/0V
14	L24/LTA	LIGHT 3WAY-1
15	LTB	LIGHT 3WAY-2
16	LTC	LIGHT IN PIT
17	PE	EARTH

NO	SIGNAL	DEFINITION
CA-01	P114	SAFETY ON CAR1
CA-02	P115	SAFETY-EXIT1
CA-03	P116	SAFETY-EXIT2
CA-04	P117	Safety-End
CA-05	P118	Gate s/w
CA-06	P119	H-Door s/w
CA-07	L22	AC220V
CA-08	F22	AC220V
CA-09	MR	Door Power
CA-10	MS	Door Power
CA-11	LTC	LIGHT IN PIT
CA-12	FR2	2ND FIRE SW

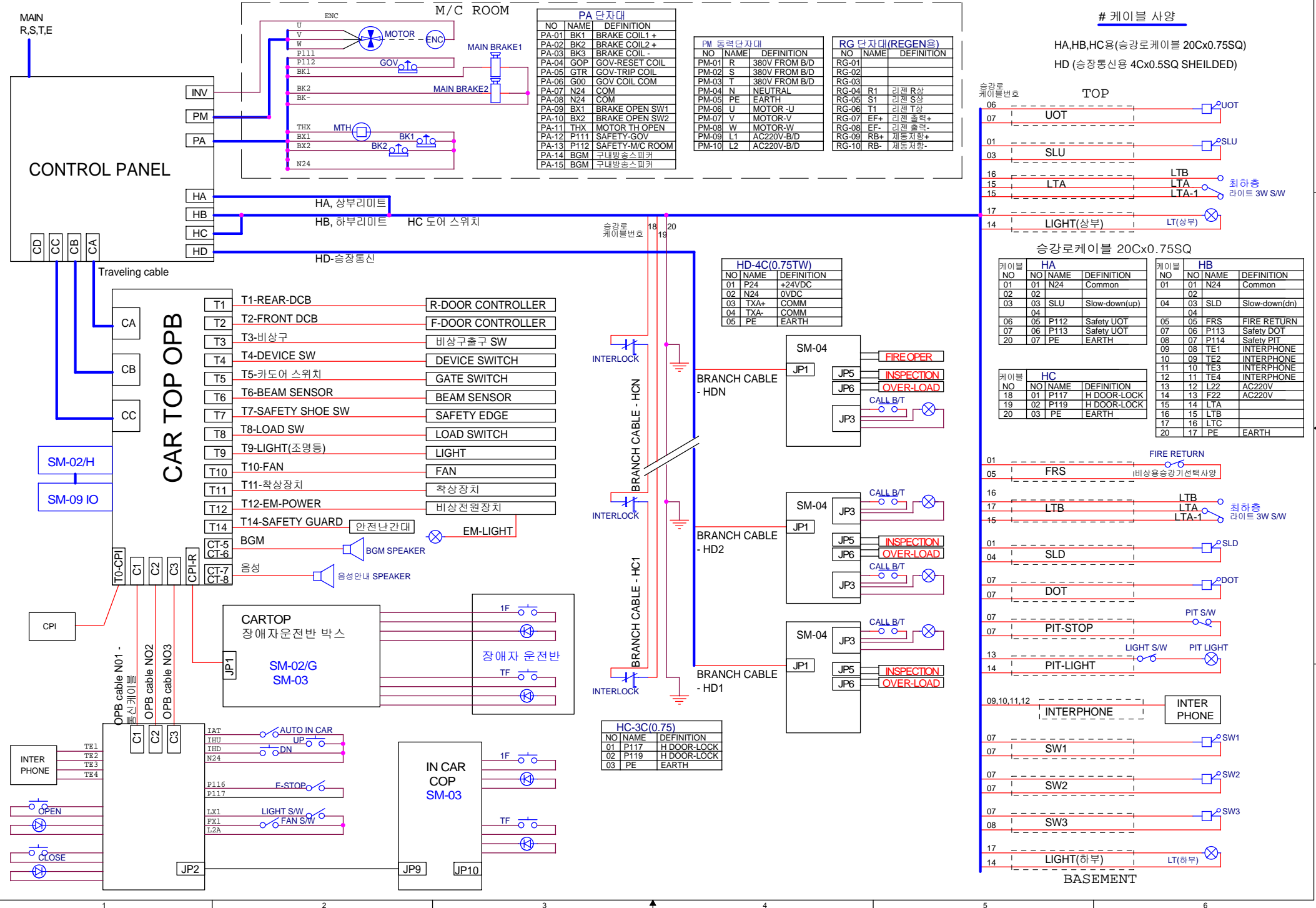
NO	SIGNAL	DEFINITION
CB-01	IHU	INS-UP B/T
CB-02	IHD	INS-DOWN B/T
CB-03	IAT	AUTO-In car
CB-04	LU	LCS-Level Up
CB-05	LD	LCS-Level Down
CB-06	P24	P24
CB-07	N24	0V(N24)
CB-08	N24	N24
CB-09	TE1	INTERPHONE
CB-10	TE2	INTERPHONE
CB-11	TE3	INTERPHONE
CB-12	TE4	INTERPHONE

NO	SIGNAL	DEFINITION
CC-01	P24	+24VDC
CC-02	N24	0VDC
CC-03	TXA+	COMM
CC-04	TXA-	COMM
CC-05	PE	EARTH
CC-06	PE	EARTH
CC-07		

NO	NAME	DEFINITION
01	N24	Common
02	UL	Up-Limit
03	SLU	Slow-down(up)
04	SLUM	Slow-down(up1)
05	P112	Safety UOT
06	P113	Safety UOT
07	PE	EARTH

DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	LIGHT CIRCUIT
Size	Document Number		Rev
Custom	EXPRESS-AS380H	(주)익스프레스리프트	07-3
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COL.H (결선도요약)



COL.I (기계실, 승강로 결선도)

NO	NAME	60M/MIN	90M/MIN	105M/MIN	120M/MIN	150M/MIN
A	UOT/DOT	150MM	150MM	150MM	180MM	180MM
B	SLU/SLD	1200MM	2200MM	2400MM	2200MM	2400MM
C	SLU1/SLD1				3600MM	5200MM

TOP FLOOR LEVEL

NO	NAME	DEFINITION
RG-01		
RG-02		
RG-03		
RG-04	R1	리센 R상
RG-05	S1	리센 S상
RG-06	T1	리센 T상
RG-07	EF+	리센 불꽃+
RG-08	EF-	리센 불꽃-
RG-09	RB+	제동저항+
RG-10	RB-	제동저항-

NO	NAME	DEFINITION
TA-01	P110	SAFETY (DC110)
TA-02	P111	SAFETY-CP
TA-03	P112	SAFETY-M ROOM
TA-04	P114	SAFETY-HOISTWAY
TA-05	P115	SAFETY-E/STOP
TA-06	P116	SAFETY-EXIT
TA-07	P117	SAFETY-END
TA-08	P118	GATE S/W
TA-09	P119	HATCH DOOR S/W
TA-10	PFR	SAFETY-FIRE

NO	NAME	DEFINITION
TB-01	PE	EARTH
TB-02	F10	0V-AC110V
TB-03	L1A	SAFETY AC110V
TB-04	MR	DOOR POWER
TB-05	MS	DOOR POWER
TB-06	L22	AC220V
TB-07	F22	AC220V
TB-08	L21	AC220V
TB-09	P24	+24DCV POWER
TB-10	N24	0V DC24

NO	NAME	DEFINITION
PM-01	R	380V FROM B/D
PM-02	S	380V FROM B/D
PM-03	T	380V FROM B/D
PM-04	N	NEUTRAL
PM-05	PE	EARTH
PM-06	U	MOTOR -U
PM-07	V	MOTOR -V
PM-08	W	MOTOR -W
PM-09	L1	AC220V-B/D
PM-10	L2	AC220V-B/D

NO	NAME	DEFINITION
PA-01	BK1	BRAKE COIL1 +
PA-02	BK2	BRAKE COIL2 +
PA-03	BK3	BRAKE COIL -
PA-04	GOP	GOV-RESET COIL
PA-05	GTR	GOV-TRIP COIL
PA-06	G00	GOV COIL COM
PA-08	N24	COM
PA-09	BX1	BRAKE OPEN SW1
PA-10	BX2	BRAKE OPEN SW2
PA-11	THX	MOTOR TH OPEN
PA-12	P111	SAFETY-GOV
PA-13	P112	SAFETY-MC ROOM
PA-14	BGM	구내방송스피커
PA-15	BGM	구내방송스피커

CONTROL PANEL

NO	NAME	DEFINITION
01	TE1	기계실 인터폰
02	TE2	기계실 인터폰
03	TE3	기계실 인터폰
04	TE4	기계실 인터폰

NO	NAME	DEFINITION
01	P24	+24VDC
02	N24	0VDC
03	TXA+	COMM
04	TXA-	COMM

COMMH(승강통신케이블)
(4Cx0.75SQ)

NO	NAME	DEFINITION
01	P117	H DOOR-LOCK
02	P119	H DOOR-LOCK
03	PE	EARTH

CA, CB-13P=주행케이블용
13P=AMP 171362-1

CA-CD (주행케이블 40Cx0.75SQ)

NO	SIGNAL	DEFINITION
CA-01	P114	SAFETY ON CAR1
CA-02	P115	SAFETY-EXIT1
CA-03	P116	SAFETY-EXIT2
CA-04	P117	Safety-End
CA-05	P118	Gate s/w
CA-06	P119	H-Door s/w
CA-07	L22	AC220V
CA-08	F22	AC220V
CA-09	MR	Door Power
CA-10	MS	Door Power
CA-11	LTC	LIGHT IN PIT
CA-12	FR2	2ND FIRE SW

NO	SIGNAL	DEFINITION
CB-01	IHU	INS-UP B/T
CB-02	IHD	INS-DOWN B/T
CB-03	IAT	AUTO-In car
CB-04	LU	LCS-Level Up
CB-05	LD	LCS-Level Down
CB-06	P24	P24
CB-07	N24	0V(N24)
CB-08	N24	N24
CB-09	TE1	INTERPHONE
CB-10	TE2	INTERPHONE
CB-11	TE3	INTERPHONE
CB-12	TE4	INTERPHONE

NO	SIGNAL	DEFINITION
CC-01	P24	+24VDC
CC-02	N24	0VDC
CC-03	TXA+	COMM
CC-04	TXA-	COMM
CC-05	PE	EARTH
CC-06	PE	EARTH
CC-07		

NO	SIGNAL	DEFINITION
CD-01	BGM	SPEAKER1
CD-02	BGM	SPEAKER2
CD-03		SPARE
CD-04		SPARE
CD-05		
CD-06		
CD-07		
CD-08		
CD-09		

DRWN BY	J.H.KWACK	APPD BY	S.D.LEE
FIELD		TITLE	기계실 및 승강로 결선
Size	Document Number		Rev
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NO	NAME	DEFINITION
01	CM1R	R-Door CM1
02	OPR	R-Door open signal
03	CLR	R-Door close signal
04	CM2R	R-Door CM2
05	DOLR	R-Door open limit
06	DCLR	R-Door close limit
07	MRR	R-Door Power
08	MSR	R-Door Power
09	PE	EARTH

NO	NAME	DEFINITION
01	N24	N24
02	STER	R-Safety Edge
03	PTCR	R-Beam Sensor
04	L22	AC220V
05	F22	AC220V
06	PE	EARTH

NO	NAME	DEFINITION
01	CM1	CM1(P24)
02	CL	Door close signal
03	OP	Door open signal
04	CM2	CM2(N24)
05	DCL	Door close limit
06	DOL	Door open limit
07	MR	Door Motor Power
08	MS	Door Motor Power
09	PE	EARTH

COL.J (CAR TOP 결선도)

NO	NAME	DEFINITION
01	P115	비상구
02	P116	비상구
03	PE	EARTH

NO	NAME	DEFINITION
01	P114	SAFETY DEVICE
02	P114-1	SAFETY DEVICE
03	PE	EARTH

NO	NAME	DEFINITION
01	P119	H=이 스위치
02	P118	카도어 스위치
03	PE	EARTH

NO	NAME	DEFINITION
01	N24	OV(N24V)
02	PTC	Safety beam signal
03	L22	AC220
04	F22	AC220
05	PE	EARTH

NO	NAME	DEFINITION
01	N24	OV(N24V)
02	STE	SAFETY EDGE
03	PE	EARTH

NO	NAME	DEFINITION
01	N24	OV(N24V)
02	OL	Overload switch
03	L80	Full load switch
04	L30	Light load switch
04	PE	EARTH

NO	NAME	DEFINITION
01	F22	AC220V
02	LX1	Car light
03	PE	EARTH

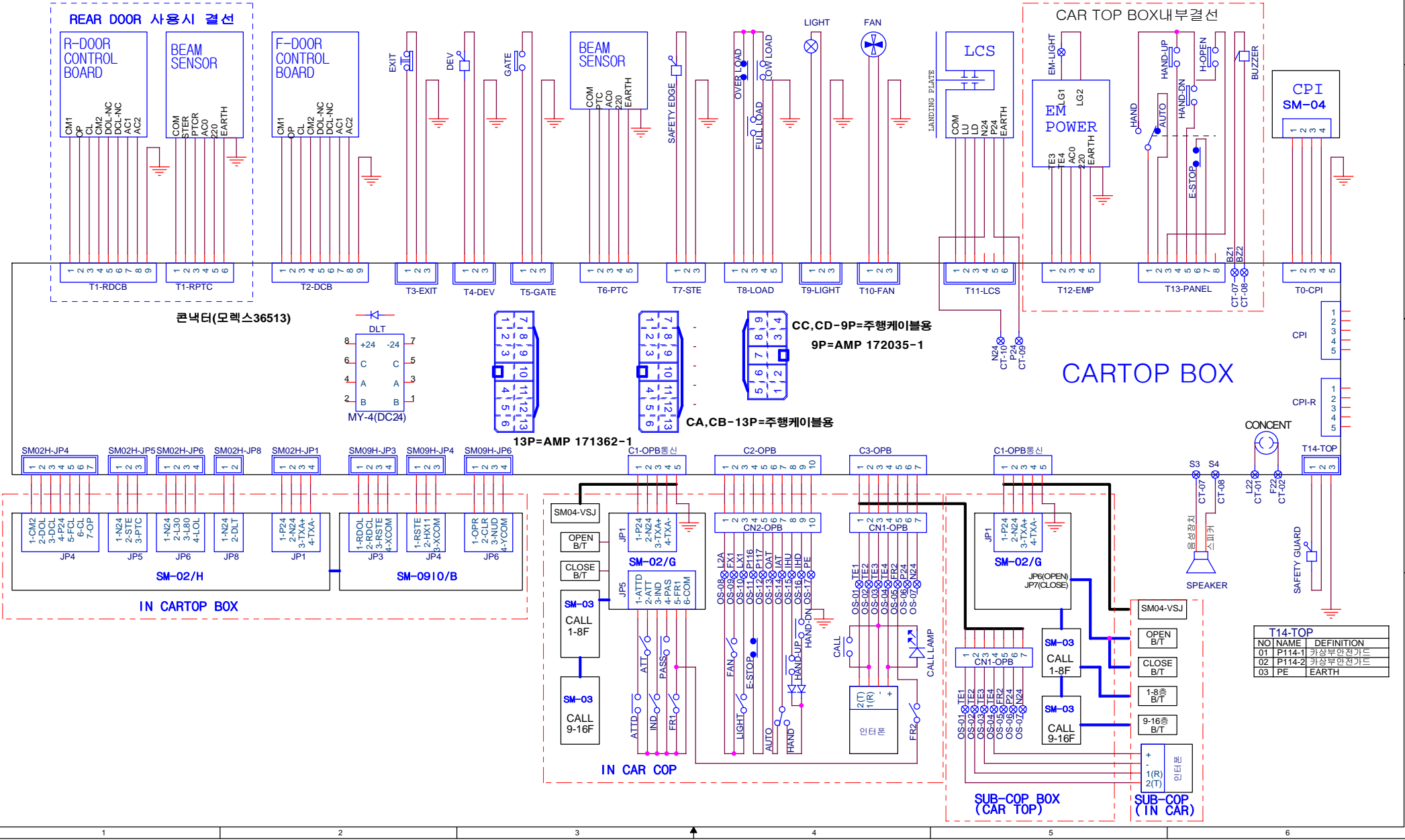
NO	NAME	DEFINITION
01	F22	AC220V
02	FX1	Car fan
03	PE	EARTH

NO	NAME	DEFINITION
01	N24	OV(N24V)
02	LU	Up find leveling
03	LD	Down find leveling
04	N24	Inductor Power
05	P24	Inductor Power
06	PE	EARTH

NO	NAME	DEFINITION
01	TE3	EM-POWER 12V
02	TE4	EM-POWER 12V
03	L22	AC220
04	F22	AC220
05	PE	EARTH

NO	NAME	DEFINITION
01	COM	0V(N24)
02	OAT	AUTO ON CAR
03	OPN	DOOR OPEN INS
04	OHD	INS-UP B/T
05	OHD	INS-DOWN B/T
06	P114-1	SAFETY ON CAR
07	P115	SAFETY ON CAR
08	P24	+24V

NO	NAME	DEFINITION
01	P24	+24VDC
02	N24	0VDC
03	TXA+	COMM
04	TXA-	COMM
05	PE	EARTH



SYMBOL SPECIFIC

SYMBOL	DESCRIPTION
	WIRE IN CONTROL PANEL
	"A" CONTACT IN PCB
	"A" CONTACT MAGNETIC CONTACTOR
	"B" CONTACT MAGNETIC CONTACTOR
	"A" CONTACT MY-4 TYPE RELAY
	"B" CONTACT MY-4 TYPE RELAY
	"A" CONTACT LIMIT SWITCH
	"B" CONTACT LIMIT SWITCH
	"A" CONTACT CAM SWITCH
	"A" CONTACT CAM SWITCH
	HATCH DOOR INTERLOCK
	BLOWER MOTOR FAN MOTOR IN CAGE
	"A" CONTACT PUSH BUTTON
	EMERGENCY LIGHT
	BRAKE COIL
	MOTOR ARMATURE
	CONCENT

SYMBOL	DESCRIPTION
	JOINT POINT WIRE IN COTROL PANEL
	CONDENSER
	DIODE
	RESISTER
	FUSE
	TERMINAL IN PCB
	"A" CONTACT TOGGLE SWITCH
	"B" CONTACT TOGGLE SWITCH
	OCR
	MOTOR THERMAL SWITCH
	LAMP
	UP,DOWN DIRECTION LAMP
	"B" CONTACT PUSH BUTTON
	2WAY TOGGLE SWITCH
	EARTH
	COIL OF MY-4 TYPE RELAY

SYMBOL	DESCRIPTION
	WIRE IN HOISTWAY
	JOINT POINT WIRE IN HOISTWAY
	TRANSFORMER
	RESISTER IN PCB
	MOTOR FIELD(DOOR MOTOR)
	HARNESS(P112=Signal Name, HA-06=NUMBER OF HARNESS PIN)
	"A" CONTACT MAGNETIC CONTACTOR
	SCREW TERMINAL IN CP/CARTOP
	2P NFB(NO FUSE BREAKER)
	1P NFB(NO FUSE BREAKER)
	GONGELECTRIC BUZZER
	BUZZER
	"B" CONTACT THERMAL SWITCH
	SOLENOIDE
	COIL OF MAGNETIC CONTACTOR
	LEVELING INDUCTOR