

EXPRESS-AS380 전기도면

기 종 : EXPRESS-AS380(MR-V09)표준도면

발 주 처 : 엘리베이터

EXPRESS LIFT Co.,LTD

13	NAME	부품 약어 및 적용표	
12	LOCATION	SIGNAL & CONTACT LOCATION	
11	SYMBOL	SYMBOL SPECIFIC	
10	COL.J	카주위 및 운전반 결선도	CARTOP-EN
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	AS.T029
2	COL.B	POWER & SAFETY CIRCUIT	POWER-AS380
1	COL.A	TRACTION CIRCUIT	INVERTER
NO	COL.NO	DESCRIPTION	NOTE
Size	Document Number		Rev
Custom	EXPRESS-AS380-MR		V09
 (주)익스프레스리프트			
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COL.A(비동기)

PM단자대(동력단자대)		
NO	NAME	DEFINITION
PM	AR	ARD OUTPUT-R
PM	AS	ARD OUTPUT-S
PM	AT	ARD OUTPUT-T
PM	N1	ARD OUTPUT-N
PM	U	MOTOR-U
PM	V	MOTOR-V
PM	W	MOTOR-W

Kw	Spec(NFB1)
5.5/7.5	ABN54-30A
9.5/11	ABN54-40A
13/15	ABN54-50A
18.5	ABN54-60A
22	ABN54-60A
30	ABN103-100A

Kw	Spec(CABLE)
5.5/7.5	6SQ
9.5/11	10SQ
13/15	10SQ
18.5/22	16SQ
30	25SQ

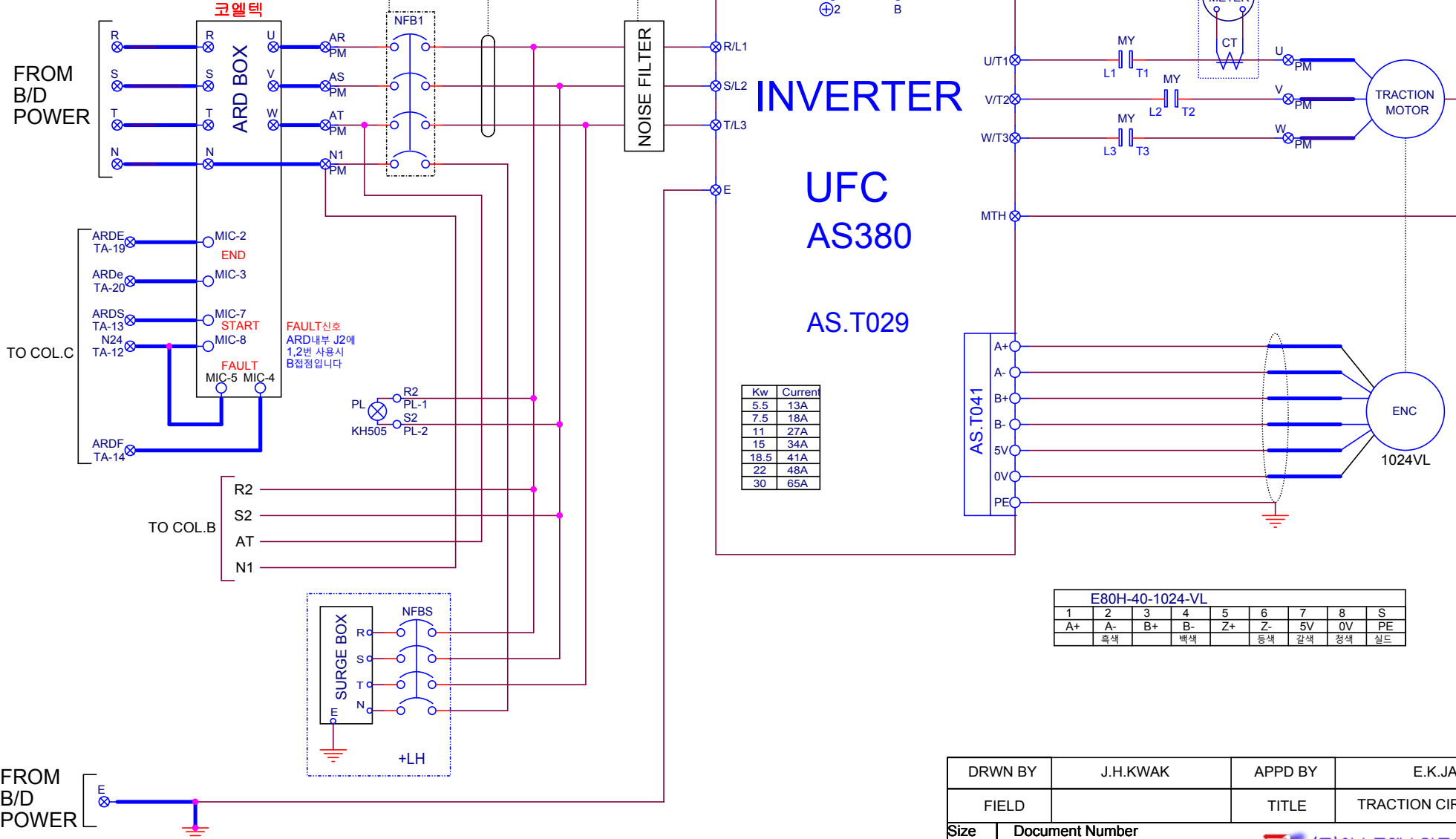
Kw	Spec(N,F)
5.5/7.5	FT310-15
9.5/11	FT310-25
13/15	FT310-30
18.5	FT310-40
22	FT310-60
30	FT310-80


Kw	Spec (MY)
5.5	MC-22
7.5	MC-32
9.5/11	MC-32
13/15	MC-50
18.5	MC-50
22	MC-65
30	MC-75

INVERTER
UFC
AS380
AS.T029

Kw	Current
5.5	13A
7.5	18A
11	27A
15	34A
18.5	41A
22	48A
30	65A

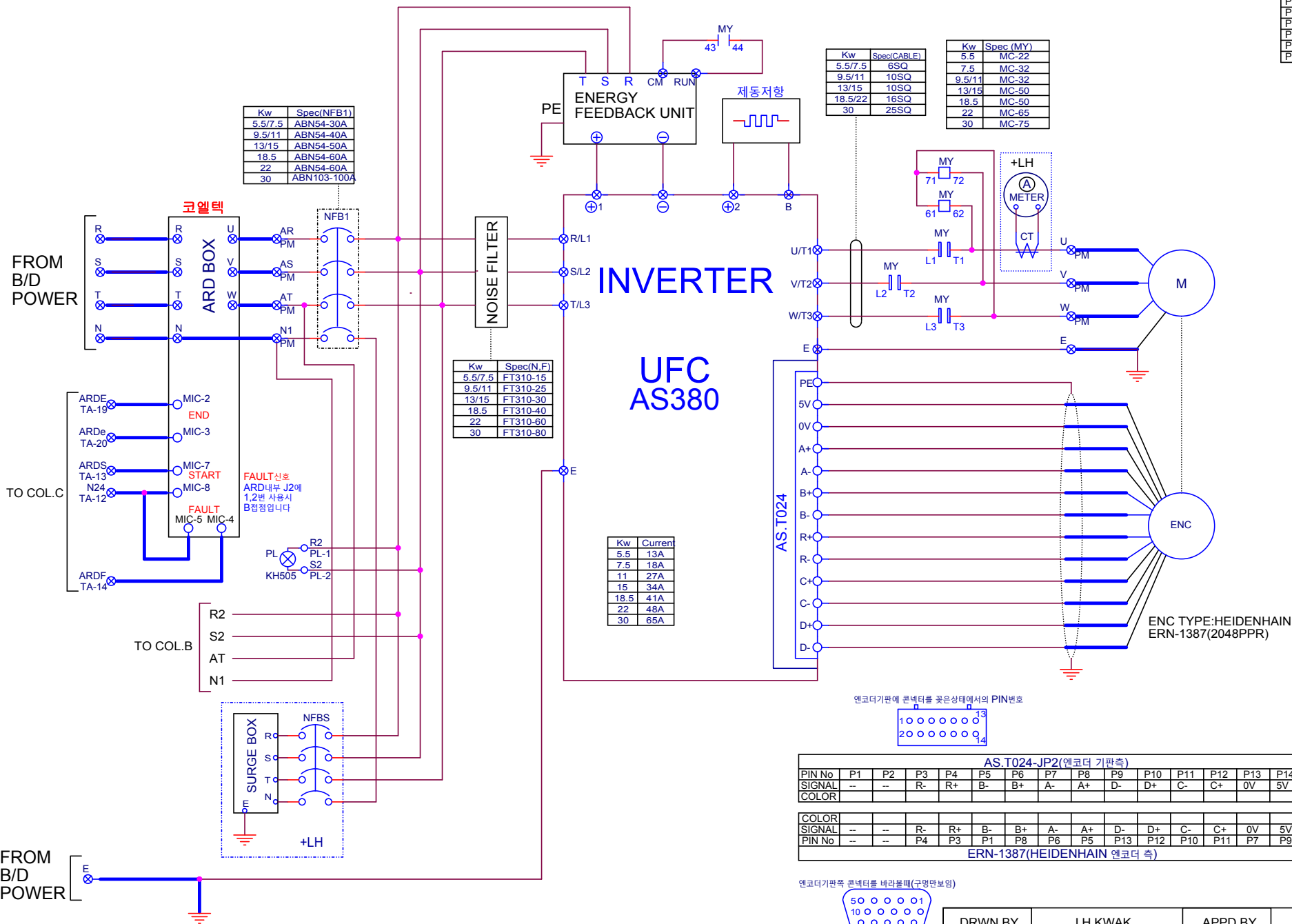
E80H-40-1024-VL								
1	2	3	4	5	6	7	8	S
A+	A-	B+	B-	Z+	Z-	5V	0V	PE
흑색		백색		등색	갈색	청색	실드	



DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	TRACTION CIRCUIT
Size Custom	Document Number EXPRESS-AS380-MR	 (주)익스프레스리프트	
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COL.A+OPTION

PM	NAME	DEFINITION
PM	AR	ARD OUTPUT-R
PM	AS	ARD OUTPUT-S
PM	AT	ARD OUTPUT-T
PM	N1	ARD OUTPUT-N
PM	U	MOTOR-U
PM	V	MOTOR-V
PM	W	MOTOR-W



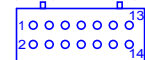
Kw	Spec(N,F)
5.5/7.5	FT310-15
9.5/11	FT310-25
13/15	FT310-30
18.5	FT310-40
22	FT310-60
30	FT310-80

Kw	Current
5.5	13A
7.5	18A
11	27A
15	34A
18.5	41A
22	48A
30	65A

Kw	Spec(CABLE)
5.5/7.5	6SQ
9.5/11	10SQ
13/15	10SQ
18.5/22	16SQ
30	25SQ

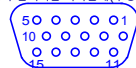
Kw	Spec(MY)
5.5	MC-22
7.5	MC-32
9.5/11	MC-32
13/15	MC-50
18.5	MC-50
22	MC-65
30	MC-75

엔코더기판에 콘넥터를 꽂은 상태에서의 PIN번호



AS.T024-JP2(엔코더 기판측)														
PIN No	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14
SIGNAL	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V
COLOR	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V
ERN-1387(HEIDENHAIN 엔코더 측)														
PIN No	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14
SIGNAL	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V
COLOR	--	--	R-	R+	B-	B+	A-	A+	D-	D+	C-	C+	0V	5V

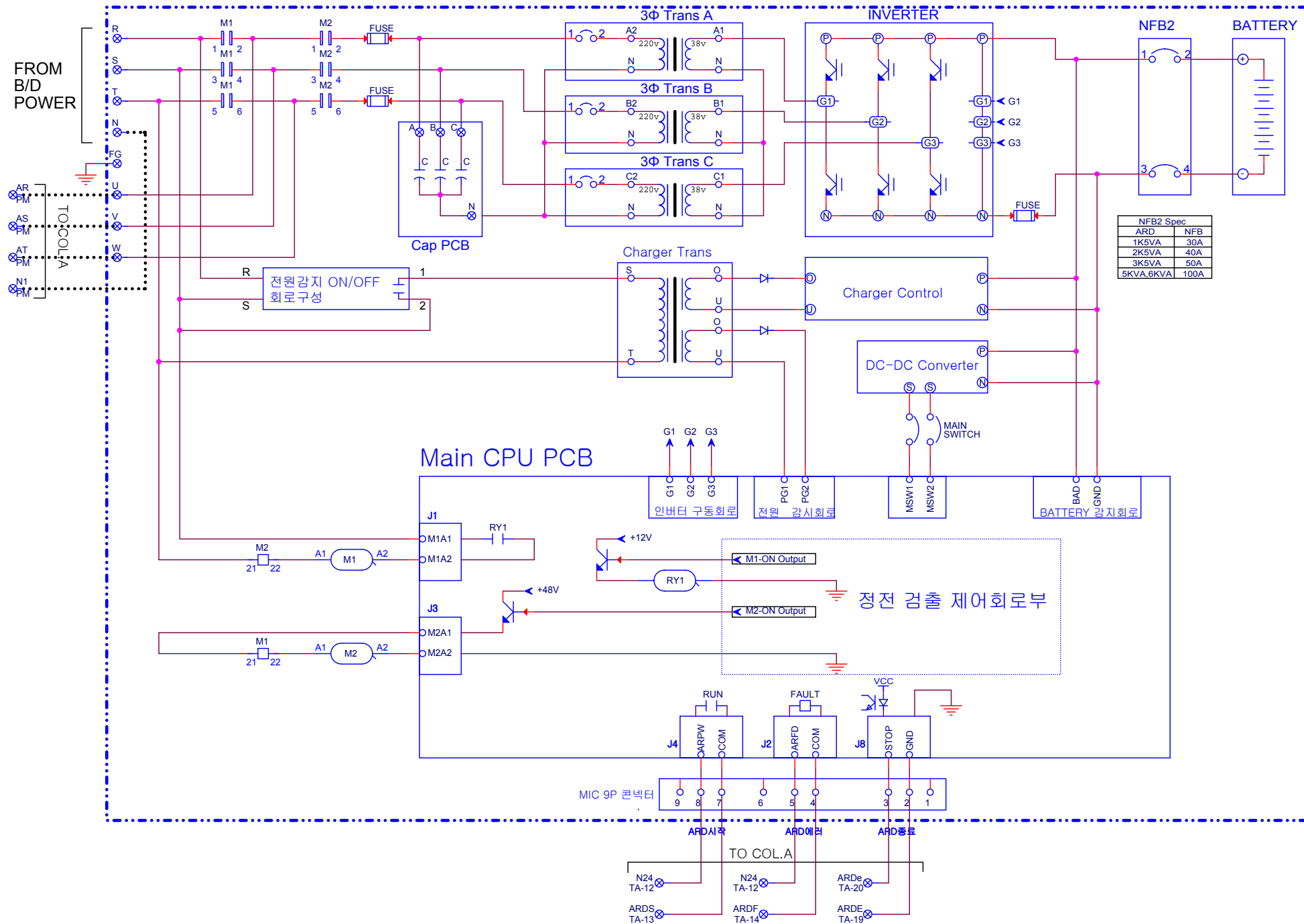
엔코더기판쪽 콘넥터를 바라볼때(구멍만보임)



DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	TRACTION CIRCUIT
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COL.A(ARD)

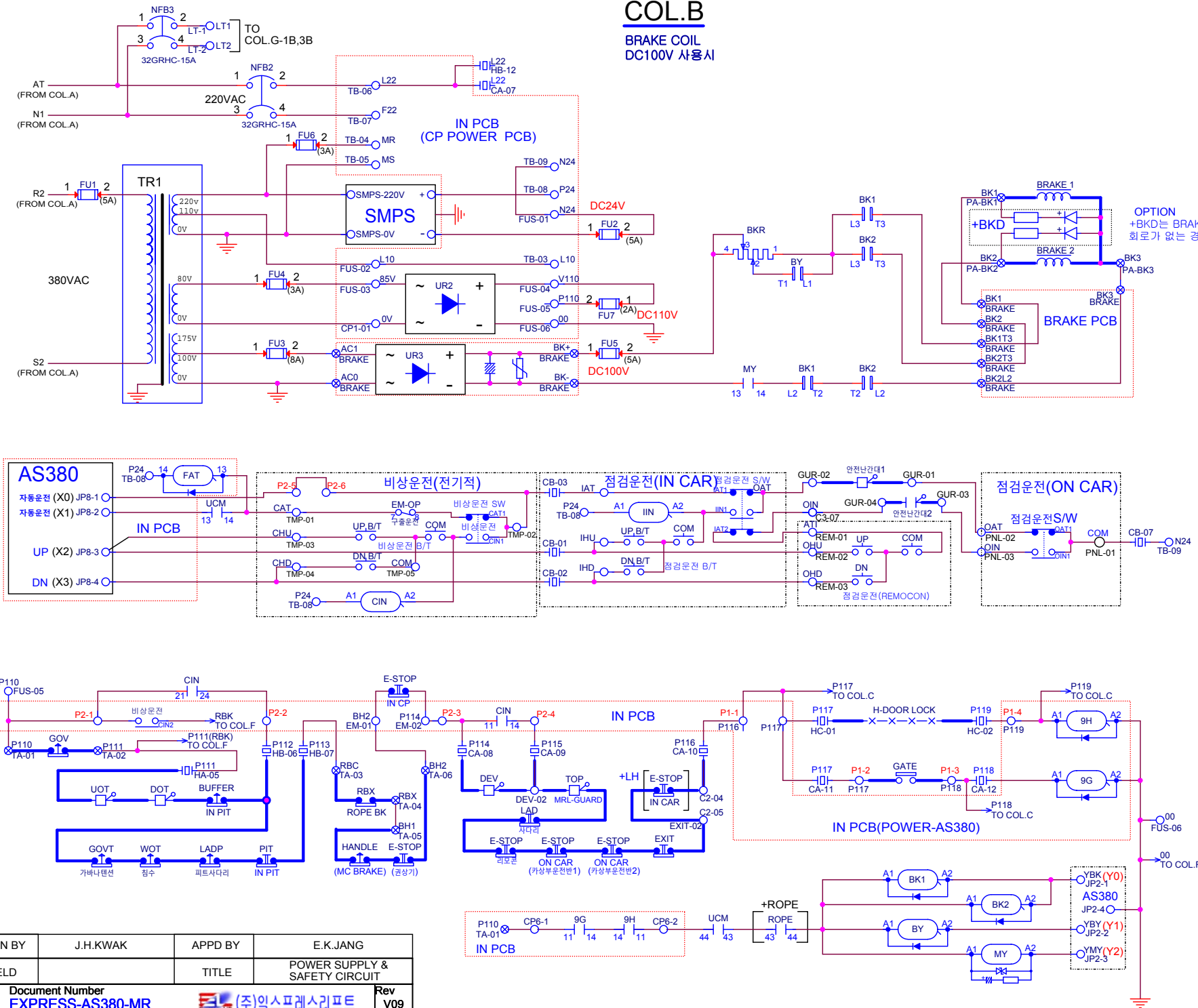
ARD SYSTEM



NFB2 Spec	
ARD	NFB
1K5VA	30A
2K5VA	40A
3K5VA	50A
5KVA,6KVA	100A

COL.B

BRAKE COIL
DC100V 사용시



OPTION
+BKD는 BRAKE에 써지보호 회로가 없는 경우에 사용함.

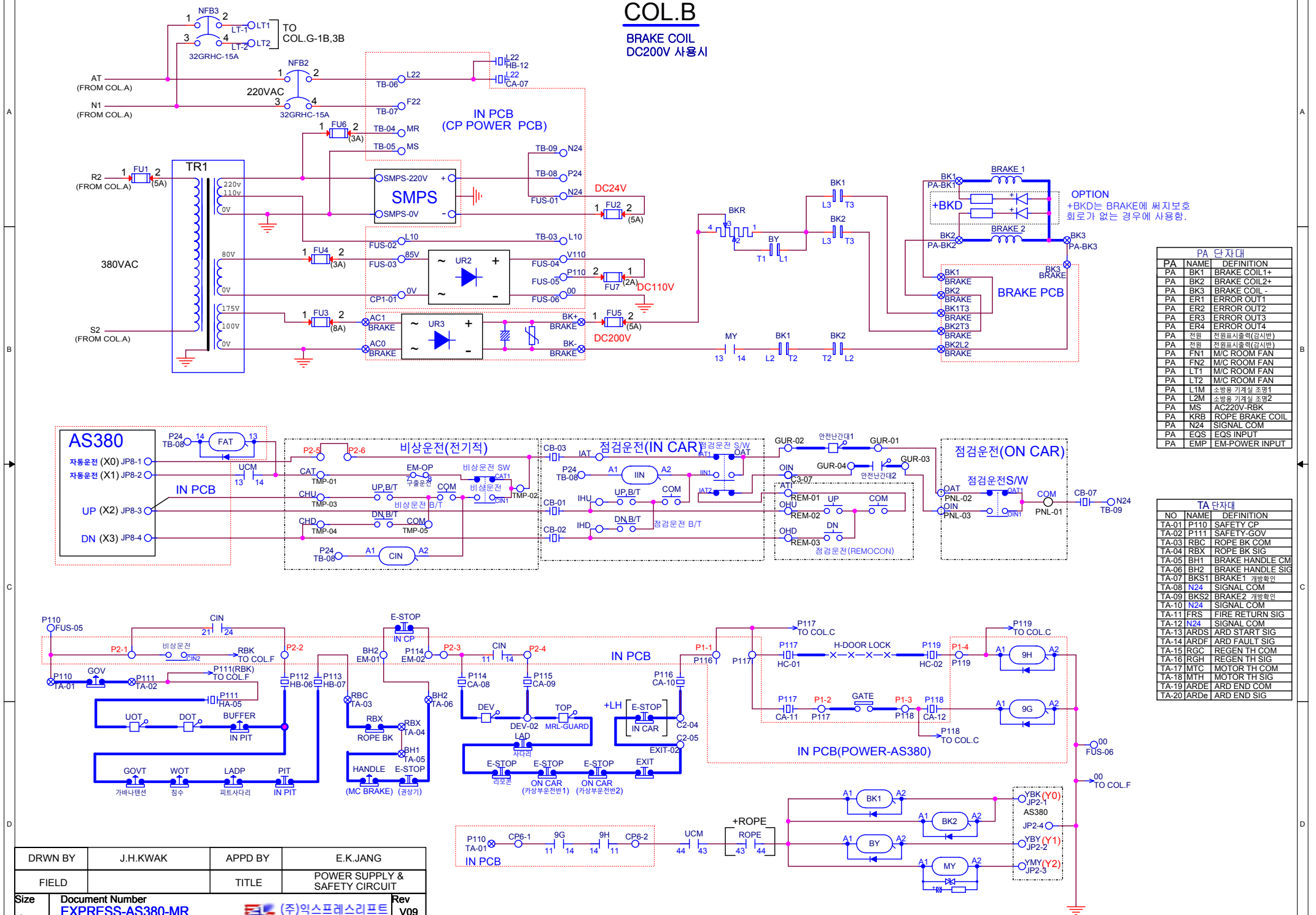
PA	NAME	DEFINITION
PA	BK1	BRAKE COIL1+
PA	BK2	BRAKE COIL2+
PA	BK3	BRAKE COIL-
PA	ER1	ERROR OUT1
PA	ER2	ERROR OUT2
PA	ER3	ERROR OUT3
PA	ER4	ERROR OUT4
PA	전원	전원표시출력(감시반)
PA	전원	전원표시출력(감시반)
PA	FN1	M/C ROOM FAN
PA	FN2	M/C ROOM FAN
PA	LT1	M/C ROOM FAN
PA	LT2	M/C ROOM FAN
PA	L1M	소방용 기계실 조명1
PA	L2M	소방용 기계실 조명2
PA	MS	AC220V-RBK
PA	KRB	ROPE BRAKE COIL
PA	N24	SIGNAL COM
PA	EOS	EOS INPUT
PA	EMP	EM-POWER INPUT

TA	NAME	DEFINITION
TA-01	P110	SAFETY CP
TA-02	P111	SAFETY-GOV
TA-03	RBC	ROPE BK COM
TA-04	RBX	ROPE BK SIG
TA-05	BH1	BRAKE HANDLE CM
TA-06	BH2	BRAKE HANDLE SIG
TA-07	BK1	BRAKE1 개방확인
TA-08	N24	SIGNAL COM
TA-09	BK2	BRAKE2 개방확인
TA-10	N24	SIGNAL COM
TA-11	FRS	FIRE RETURN SIG
TA-12	N24	SIGNAL COM
TA-13	ARDS	ARD START SIG
TA-14	ARD	ARD FAULT SIG
TA-15	RGC	REGEN TH COM
TA-16	RGH	REGEN TH SIG
TA-17	MTC	MOTOR TH COM
TA-18	MTM	MOTOR TH SIG
TA-19	ARDE	ARD END COM
TA-20	ARDE	ARD END SIG

DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	POWER SUPPLY & SAFETY CIRCUIT
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COL.B

BRAKE COIL
DC200V 사용시

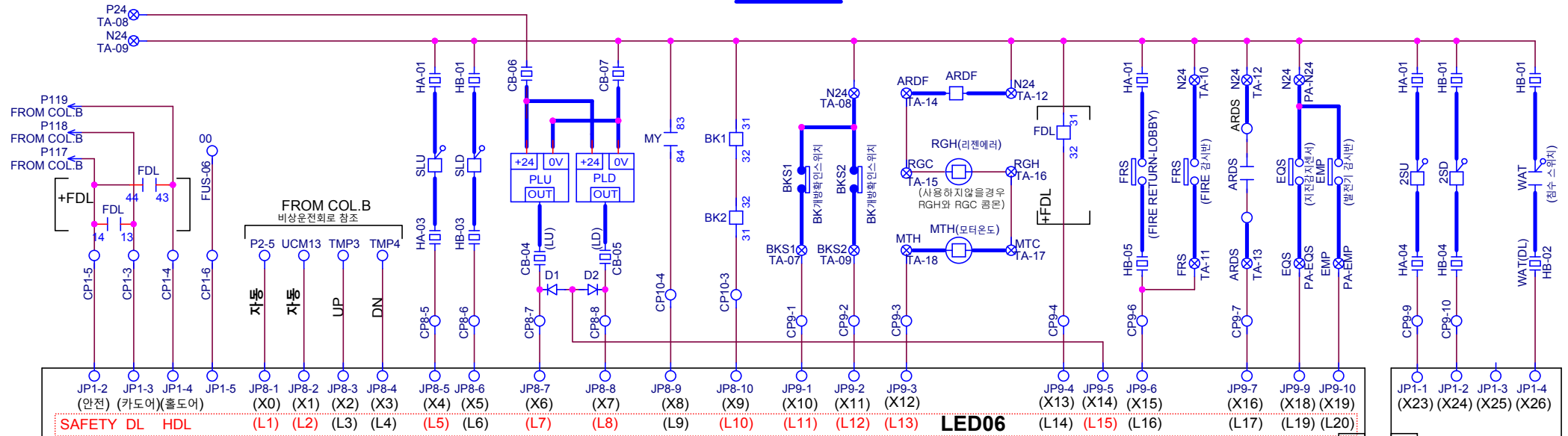


PA	NAME	DEFINITION
PA	BK1	BRAKE COIL1+
PA	BK2	BRAKE COIL2+
PA	BK3	BRAKE COIL -
PA	ER1	ERROR OUT1
PA	ER2	ERROR OUT2
PA	ER3	ERROR OUT3
PA	ER4	ERROR OUT4
PA	전원	전원표시출력(감시반)
PA	전원	전원표시출력(감시반)
PA	FN1	M/C ROOM FAN
PA	FN2	M/C ROOM FAN
PA	LT1	M/C ROOM FAN
PA	LT2	M/C ROOM FAN
PA	L1M	소방용 기계실 조명1
PA	L2M	소방용 기계실 조명2
PA	MS	AC220V-RBK
PA	KRB	ROPE BRAKE COIL
PA	N24	SIGNAL COM
PA	EQS	EQS INPUT
PA	EMP	EM-POWER INPUT

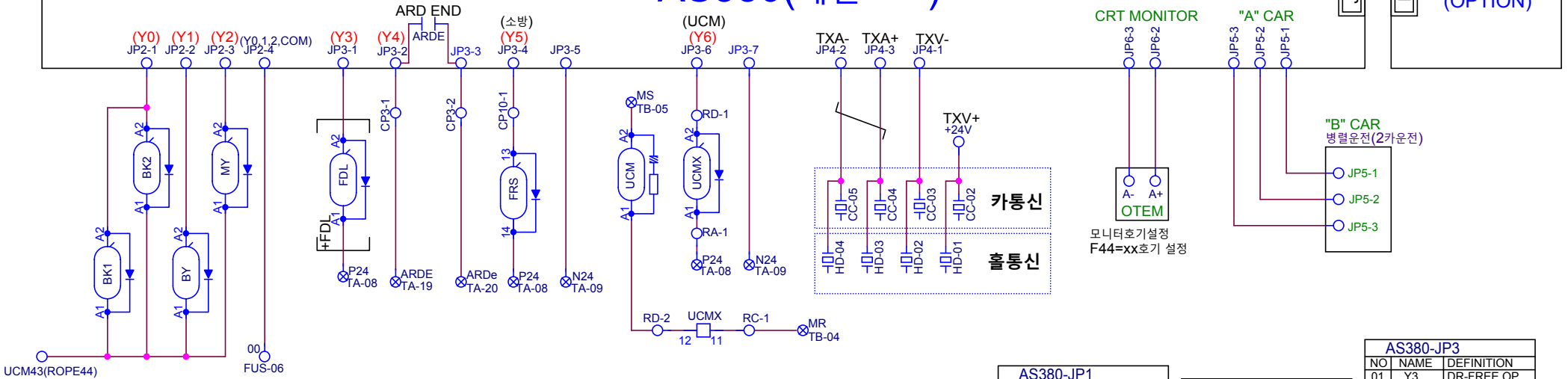
NO	NAME	DEFINITION
TA-01	P110	SAFETY CP
TA-02	P111	SAFETY-GOV
TA-03	RBC	ROPE BK COM
TA-04	RBX	ROPE BK SIG
TA-05	BH1	BRAKE HANDLE CM
TA-06	BH2	BRAKE HANDLE SIG
TA-07	BKS1	BRAKE1 개방확인
TA-08	N24	SIGNAL COM
TA-09	BKS2	BRAKE2 개방확인
TA-10	N24	SIGNAL COM
TA-11	FRS	FIRE RETURN SIG
TA-12	N24	SIGNAL COM
TA-13	ARDS	ARD START SIG
TA-14	ARDF	ARD FAULT SIG
TA-15	RGH	REGEN TH COM
TA-16	RGH	REGEN TH SIG
TA-17	MTC	MOTOR TH COM
TA-18	MTM	MOTOR TH SIG
TA-19	ARDE	ARD END COM
TA-20	ARDe	ARD END SIG

DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
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COL.C



AS380(메인보드)



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	G24VIO	24V의 0V
04	+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	BK확인스위치1
02	X11	BK확인스위치2
03	X12	MTH스위치확인
04	X13	DR-FREE OP
05	X14	DOOR ZONE
06	X15	FIRE RETURN
07	X16	EQ INPUT
08	X17	DOOR SW검출
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+

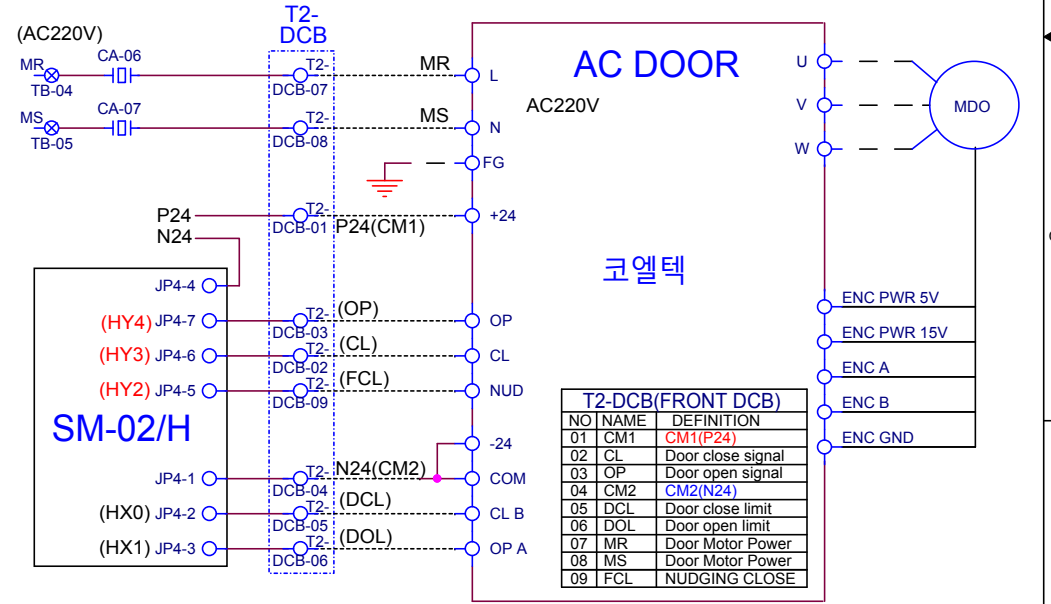
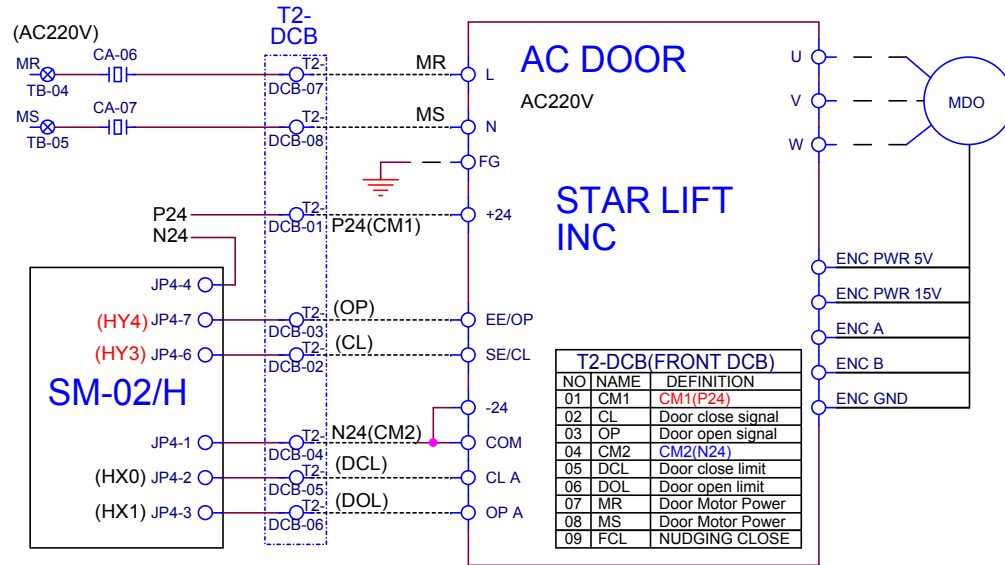
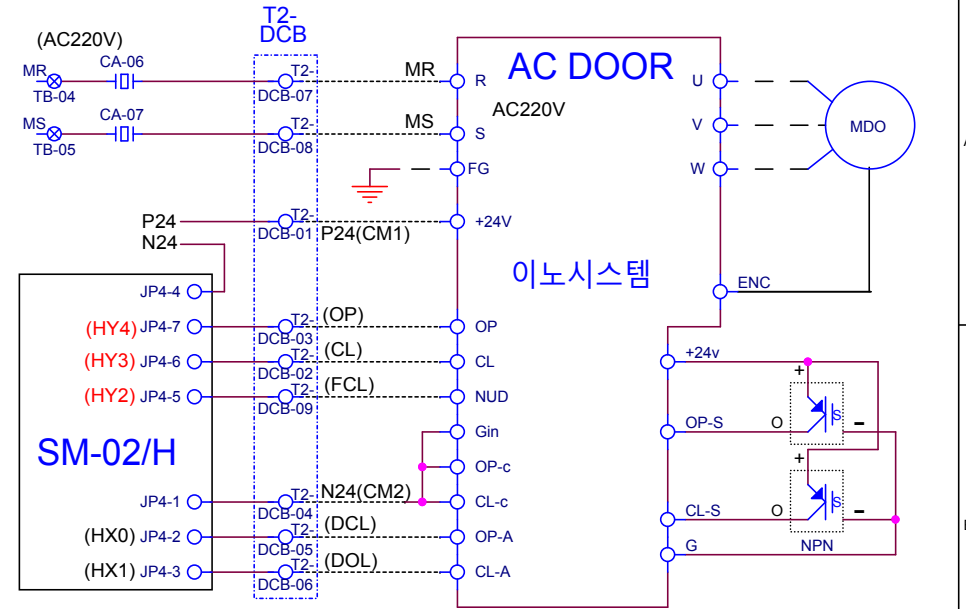
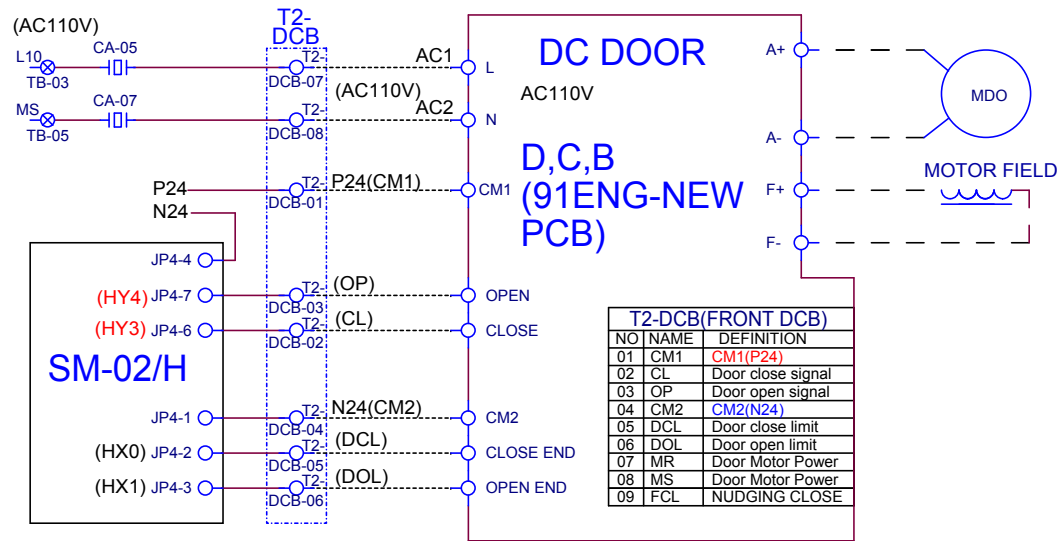
AS380-JP1		
NO	NAME	DEFINITION
01	XCOM	X COMMON
02	X20	SAFETY LOOP
03	X21	CAR DOOR
04	X22	DOOR LOCK
05	XCOM	DC110V의 0V

AS380-JP2		
NO	NAME	DEFINITION
01	Y0	BK OUTPUT
02	Y1	BY OUTPUT
03	Y2	MY OUTPUT
04	COM1	DC110V의 0V

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

DRWN BY		J.H.KWAK	APPD BY		E.K.JANG
FIELD			TITLE		CONTROL CIRCUIT SM-01
Size	Document Number				Rev
Custom	EXPRESS-AS380-MR		 (주)익스프레스리프트		V09
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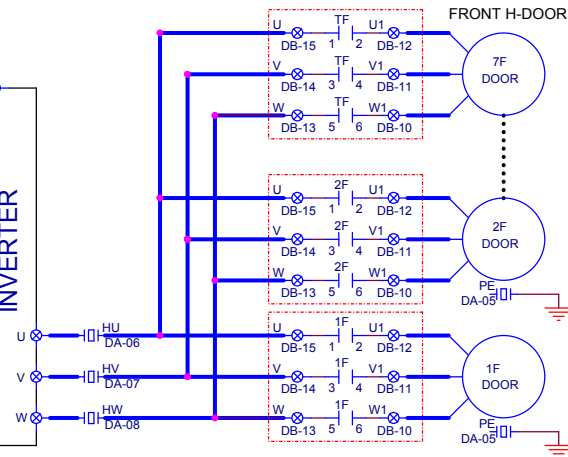
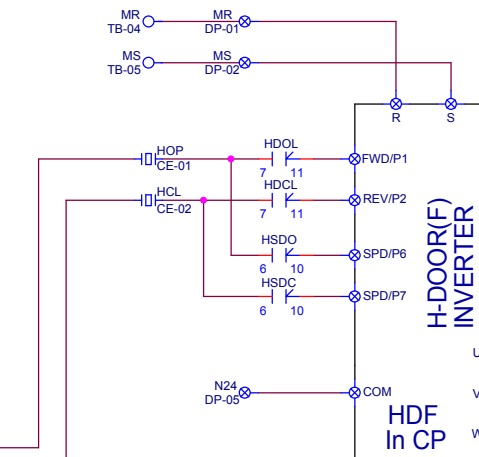
COL.D



DOL/DCL은 반드시 NOMAL CLOSE(B접점)으로 선택해주세요
(도어가 중간에 있을때 DOL/DCL신호가 ON되어야 합니다)

DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	DOOR CONTROL CIRCUIT
Size	Document Number	(주)익스프레스리프트	
Custom	EXPRESS-AS380-MR	Rev	
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COL.D1(FRONT)

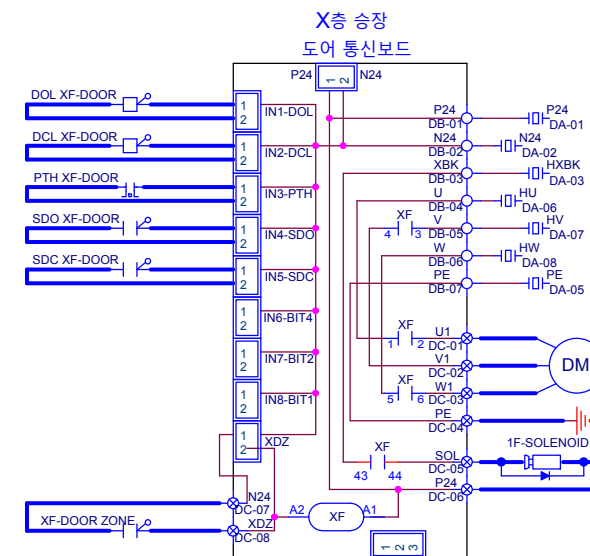
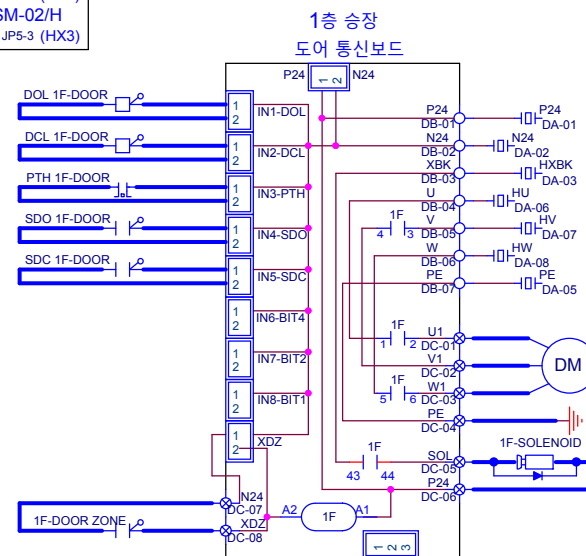
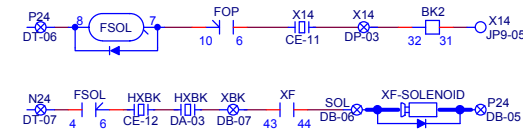
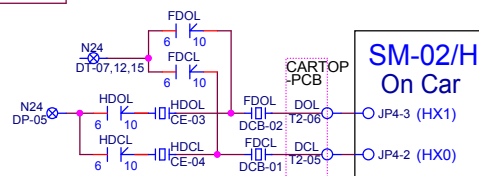


DP단자대	
NO	NAME
01	MR
02	MS
03	X14
04	P24
05	N24

CE-12P(H/B도어용)		
NO	SIGNAL	DEFINITION
CE-01	HOP	Front Hall OPEN
CE-02	HCL	Front Hall CLOSE
CE-03	HDOL	Front Hall DOL
CE-04	HDCL	Front Hall DCL
CE-05	HPTC	Front Hall PTC
CE-06	BOP	Rear Hall OPEN
CE-07	BCL	Rear Hall CLOSE
CE-08	BDOL	Rear Hall DOL
CE-09	BDCL	Rear Hall DCL
CE-10	BPTC	Rear Hall PTC
CE-11	X14	DOOR ZONE
CE-12	HXBK	RUNNING SIGNAL
CE-13	BXBK	RUNNING SIGNAL

DCB-17P 콘넥터		
NO	SIGNAL	DEFINITION
DCB-1	FDCL	Front Car DCL
DCB-2	FDOL	Front Car DOL
DCB-3	FCL	Front Car CLOSE
DCB-4	FOP	Front Car OPEN
DCB-5	RDCL	Rear Car DCL
DCB-6	RDOL	Rear Car DOL
DCB-7	RCL	Rear Car CLOSE
DCB-8	ROP	Rear Car OPEN
DCB-9	P24	+24V DC
DCB-10	N24	-24V DC
DCB-11	MR	AC220V
DCB-12	MS	AC220V
DCB-13	PE	EARTH
DCB-14	FTPT	Front Car PHOTO
DCB-15	RPTC	Rear Car PHOTO

DT-32P단자대		
NO	SIGNAL	DEFINITION
DT-01	MR	AC220V
DT-02	MS	AC220V
DT-03	FU	Front Door 220V-U
DT-04	FV	Front Door 220V-V
DT-05	FV	Front Door 220V-W
DT-06	F2	-24V DC
DT-07	F2	-24V DC
DT-08	FNP	Front Car OPEN
DT-09	FCL	Front Car CLOSE
DT-10	FSDO	Front Car SDO
DT-11	FSDC	Front Car SDC
DT-12	N24	-24V DC
DT-13	FDOL	Front Car DOL
DT-14	FDOL	Front Car DCL
DT-15	P24	-24V DC
DT-16	FOL	Front Car SOL
DT-17	RV	Rear Door 220V-U
DT-18	RV	Rear Door 220V-V
DT-19	RV	Rear Door 220V-W
DT-20	N24	-24V DC
DT-21	ROP	Rear Car OPEN
DT-22	RCL	Rear Car CLOSE
DT-23	RSDO	Rear Car SDO
DT-24	RSDC	Rear Car SDC
DT-25	P25	-24V DC
DT-26	N24	-24V DC
DT-27	RDOL	Rear Car DOL
DT-28	RDCL	Rear Car DCL
DT-29	N24	-24V DC
DT-30	RSOL	Rear Car SOL

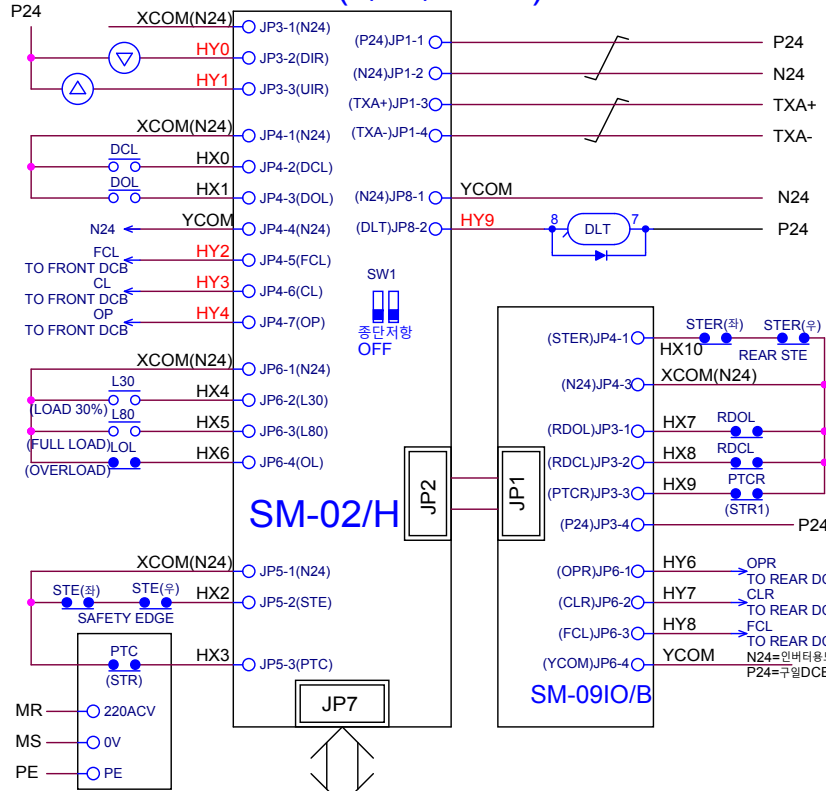


DA-09P 케이블 (송장첨두어)		
NO	SIGNAL	DEFINITION
DA-01	P24	POWER 24V+
DA-02	N24	POWER 24V-
DA-03	HXBK	RUN SIGNAL H
DA-04	BXBK	RUN SIGNAL-B
DA-05	PE	EARTH
DA-06	HV	AC220V-R(FRONT)
DA-07	HV	AC220V-S(FRONT)
DA-08	HW	AC220V-T(FRONT)
DA-09	BV	AC220V-R(REAR)
DA-10	BV	AC220V-S(REAR)
DA-11	BW	AC220V-T(REAR)

NO	NAME	DEFINITION
DB-01	P24	POWER-DC24+
DB-02	N24	POWER-DC24-
DB-03	XBK	RUNNING SIGNAL
DB-04	U	DOOR MOTOR U
DB-05	V	DOOR MOTOR V
DB-06	W	DOOR MOTOR W
DB-07	PE	EARTH

NO	NAME	DEFINITION
DC-01	U1	MOTOR U
DC-02	V1	MOTOR V
DC-03	W1	MOTOR W
DC-04	PE	EARTH
DC-05	SOL	SOLENOID-LOCK
DC-06	P24	POWER-DC24+
DC-07	N24	POWER-DC24-
DC-08	XDZ	DOOR ZONE SW

ON CAR(카상부운전반)



SM-02/H

음성안내장치

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

NO	NAME	DEFINITION
01	N24	HX4, 5, 6의 공통
02	L30	HX4-L30%
03	L80	HX5-L80%
04	LOL	HX6-OVERLOAD

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

NO	NAME	DEFINITION
01	--	HY10-
02	YCOM	HY10의 공통

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

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+

NO	NAME	DEFINITION
01	RSTE	HX10-R STE
02	--	HX11-
03	N24	HX10, 11의 공통

NO	NAME	DEFINITION
01	--	HY11-
02	YCOM	HY11의 공통

NO	NAME	DEFINITION
01	N24	HX0, 1의 COM
02	DCL	HX0-CLOS END
03	DOL	HX1-OPEN END
04	YCOM	HY2, 3의 COM
05	FCL	HY2-광개CLOSE
06	CL	HY3-CLOSE
07	OP	HY4-OPEN신호

NO	NAME	DEFINITION
01	N24	HY5의 COM
02	DLT	HY5-DLT출력

NO	NAME	DEFINITION
01	--	HX12-
02	N24	HX12의 공통

NO	NAME	DEFINITION
01	OPR	HY6-R OPEN
02	CLR	HY7-R CLOSE
03	NUD	HY8-R NUDG
04	YCOM	HY6, 7, 8의 공통

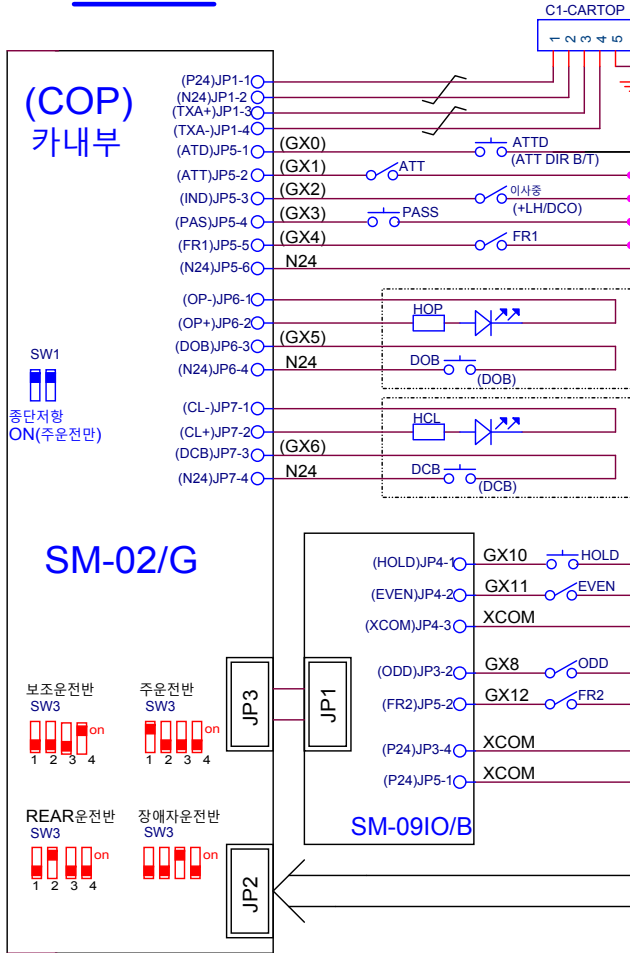
NO	NAME	DEFINITION
01	N24	HX2, 3의COM
02	STE	HX2-STE신호
03	PTC	HX3-PTC신호

NO	NAME	DEFINITION
01	N24	HY5의 COM
02	DLT	HY5-DLT출력

NO	NAME	DEFINITION
01	--	HY9-
02	YCOM	HY9의 공통

COL.E

(COP) 카내부



SM-02/G



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

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	N24	GX0-4의 공통

NO	NAME	DEFINITION
01	OP-	OPEN LAMP-
02	OP+	OPEN LAMP+
03	DOB	GX5-OPEN B/T
04	N24	OPEN B/T

NO	NAME	DEFINITION
01	OP-	OPEN LAMP-
02	CL-	CLOS LAMP-
03	CL+	CLOS LAMP+
04	N24	CLOSE B/T

NO	NAME	DEFINITION
01	CL-	CLOS LAMP-
02	CL+	CLOS LAMP+
03	DCB	GX6-CLOSE B/T
04	N24	CLOSE B/T

NO	NAME	DEFINITION
01	CL-	CLOS LAMP-
02	CL+	CLOS LAMP+
03	DCB	GX6-CLOSE B/T
04	N24	CLOSE B/T

NO	NAME	DEFINITION
01	GX7	GX7--
02	GX8	GX8-ODD
03	GX9	GX9--
04	P24	GX7-9의 P24

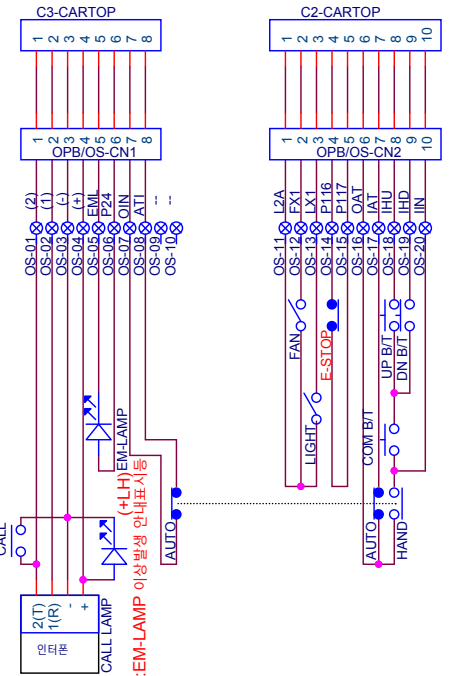
NO	NAME	DEFINITION
01	GX10	GX10-HOLD OP
02	GX11	GX11-EVEN
03	XCOM	GX10, 11의 공통

NO	NAME	DEFINITION
01	XCOM	GX12의 공통
02	GX12	GX12-FR2

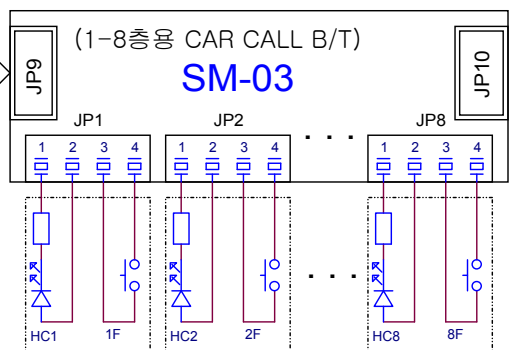
NO	NAME	DEFINITION
01	HOLD	GX0-HOLD 출력
02	GY1	GY1-
03	GY2	GY2-
04	YCOM	GY0-2의 공통

NO	NAME	DEFINITION
01	GY3	GY3-
02	YCOM	GY3의 공통

FROM CARTOP PCB



(1-8층용 CAR CALL B/T) SM-03



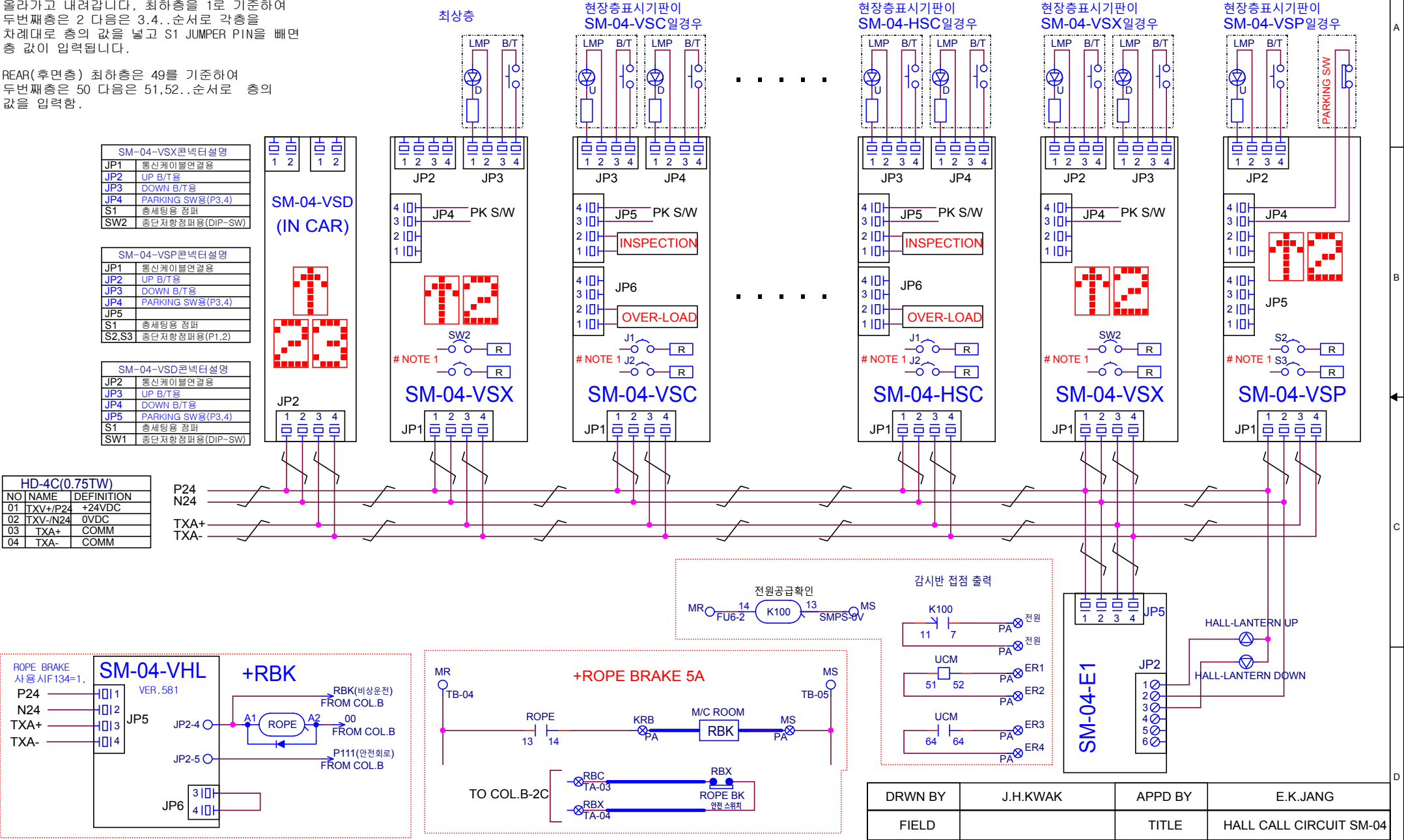
DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	CONTROL CIRCUIT SM-02
Size	Document Number		
Custom	EXPRESS-AS380-MR		
Date:	Friday, December 29, 2017	Sheet	5 of 10

최하층의 통신기판은 반드시 종단저항을
점퍼시켜야합니다

S1 JUMPER PIN1,2번에 점퍼핀이 꽂힌 상태에서 외부버튼 UP/DOWN을 누르면 디지털에 숫자가 올라가고 내려감니다. 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 50 다음은 51,52..순서로 층의
값을 입력함.

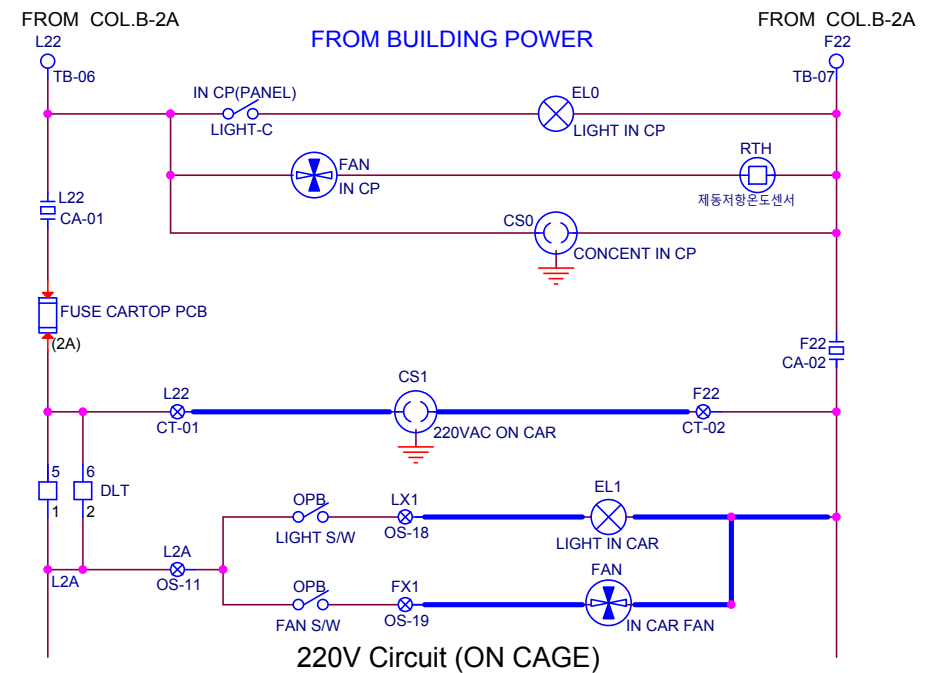
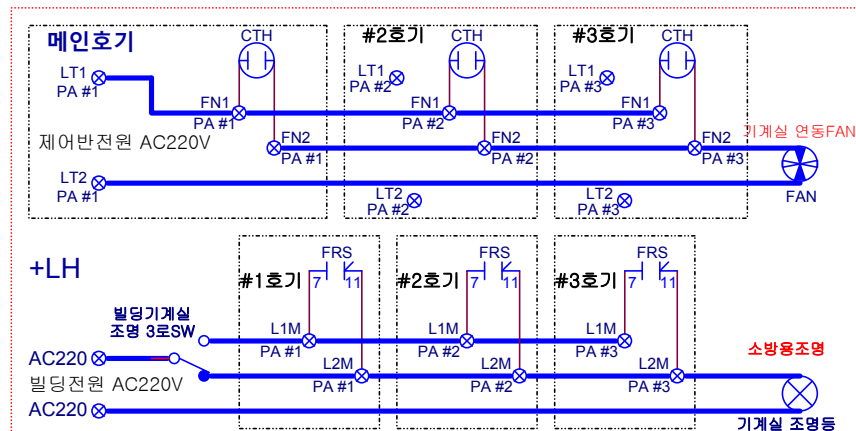
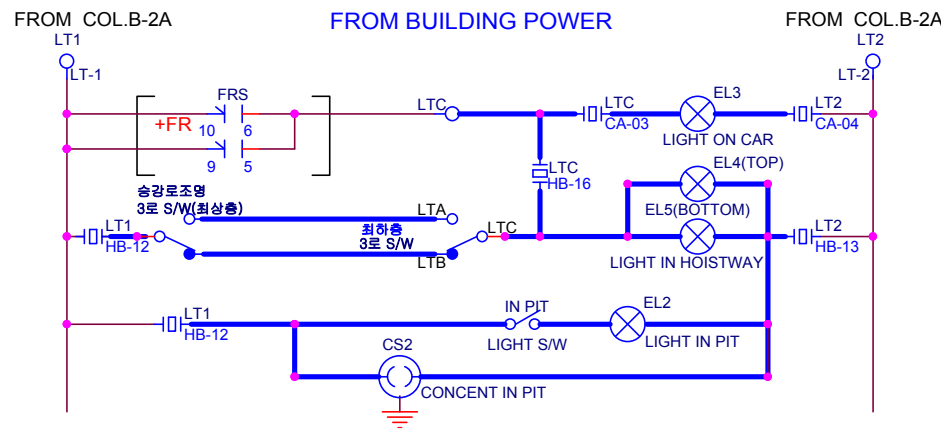
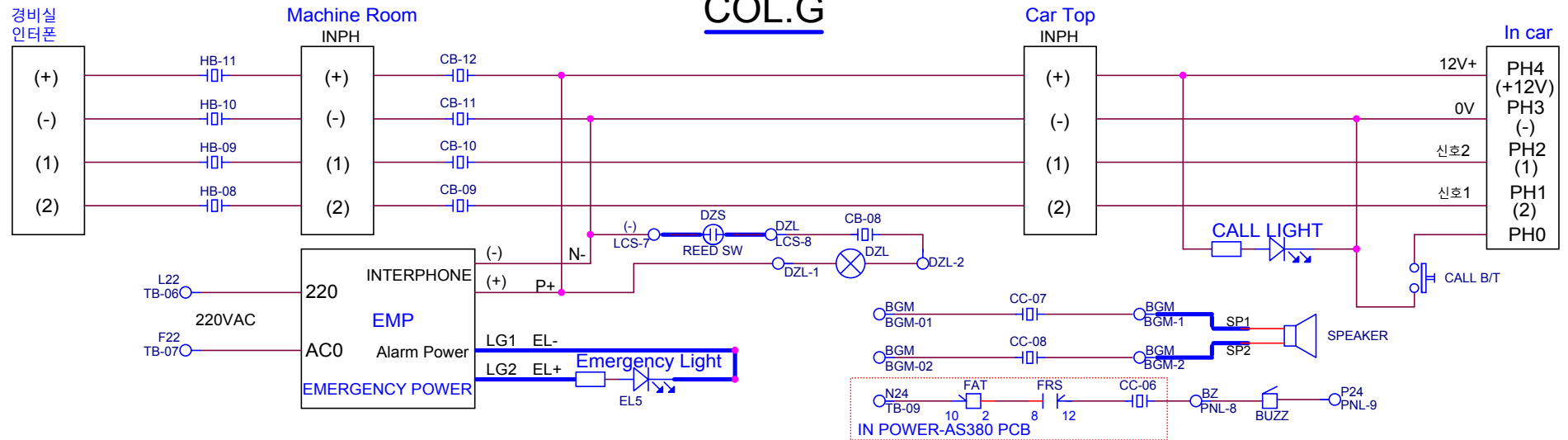
COL.F



휴먼앤티 로프브레이크의 로프브레이크
확인스위치단자는 RD4,RD5입니다.

DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	HALL CALL CIRCUIT SM-04
Size	Document Number		Rev
Custom	EXPRESS-AS380-MR		V09
Date:	Thursday, February 01, 2018	Sheet	6 of 10

COL.G

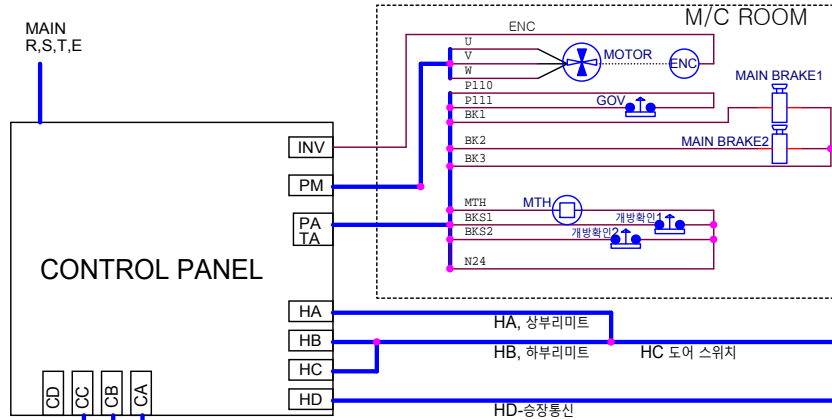


DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	LIGHT CIRCUIT
Size Custom	Document Number EXPRESS-AS380-MR  (주)익스프레스리프트		Rev V09
Date:	Tuesday, December 12, 2017	Sheet	7 of 10

COL.H (결선도요약)

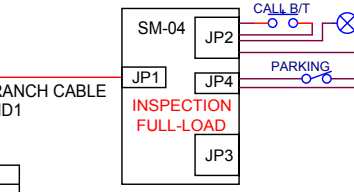
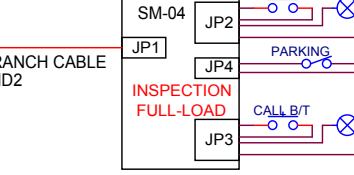
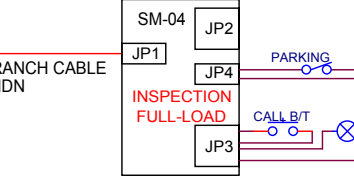
케이블 사양

HA,HB,HC용(승강로케이블 20C(22C)x0.75SQ)
HD (승강통신용 4Cx0.5SQ SHIELDED)



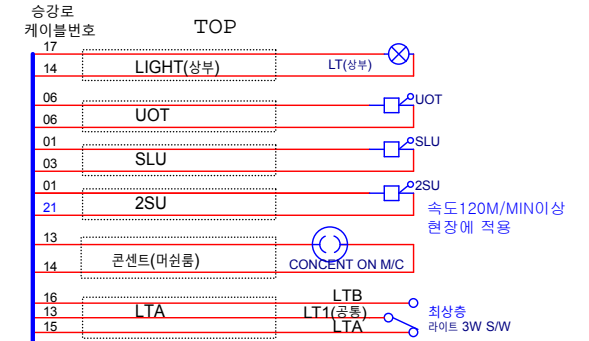
NO	NAME	DEFINITION
PM	AR	ARD OUTPUT-R
PM	AS	ARD OUTPUT-S
PM	AT	ARD OUTPUT-T
PM	N1	ARD OUTPUT-N
PM	U	MOTOR-U
PM	V	MOTOR-V
PM	W	MOTOR-W

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



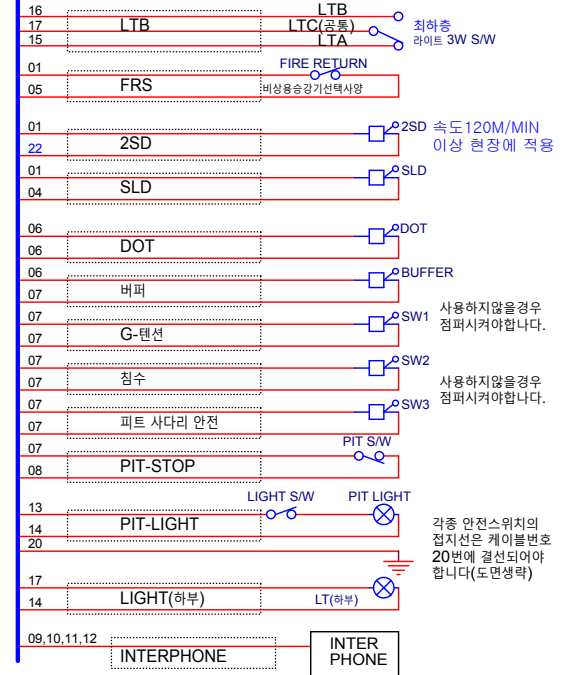
NO	NAME	DEFINITION
01	P117	H DOOR-LOCK
02	P119	H DOOR-LOCK
03	PE	EARTH

주의! 제어반에서 결선되는 모든 전선은 전선단트 및 후핵시블을사용하여 포선하여야하며 닥트 및 후핵시블은 반드시 접지처리하여야 합니다..



승강로케이블 20Cx0.75SQ

케이블 NO	HA	NO	NAME	DEFINITION	케이블 NO	HB	NO	NAME	DEFINITION
01	01	N24	Common		23	02	N24	Common	
02	02				04	03	SLD	Slow-down(dn)	
03	03	SLU	Slow-down(up)		22	04	2SD	Slow-down(2S)	
21	04	2SU	Slow-down(2S)		05	05	FRS	Fire RETURN	
06	05	P111	Safety UOT		07	06	P112	Safety BUFFER	
06	P111-1	Safety UOT			08	07	P113	Safety PIT	
20	07	PE	EARTH		09	08	TE1(2)	INTERPHONE	
					10	09	TE2(1)	INTERPHONE	
					11	10	TE3(-)	INTERPHONE	
					12	11	TE4(+)	INTERPHONE	
					13	12	LT1	AC220V	
					14	13	LT2	AC220V	
					15	14	LTA		
					16	15	LTB		
					17	16	LTC		
					20	17	PE	EARTH	



BASEMENT

NO	LIMIT S/W 설정거리	60M/MIN	90M/MIN	105M/MIN	120M/MIN	150M/MIN
A	UOT/DOT	150MM	150MM	150MM	180MM	180MM
B	SLU/SLD	1200~2000MM	2200~2600MM	2400~2600MM	2200~2600MM	2200~2600MM
C	2SU/2SD				3400~4000MM	4900~5600MM

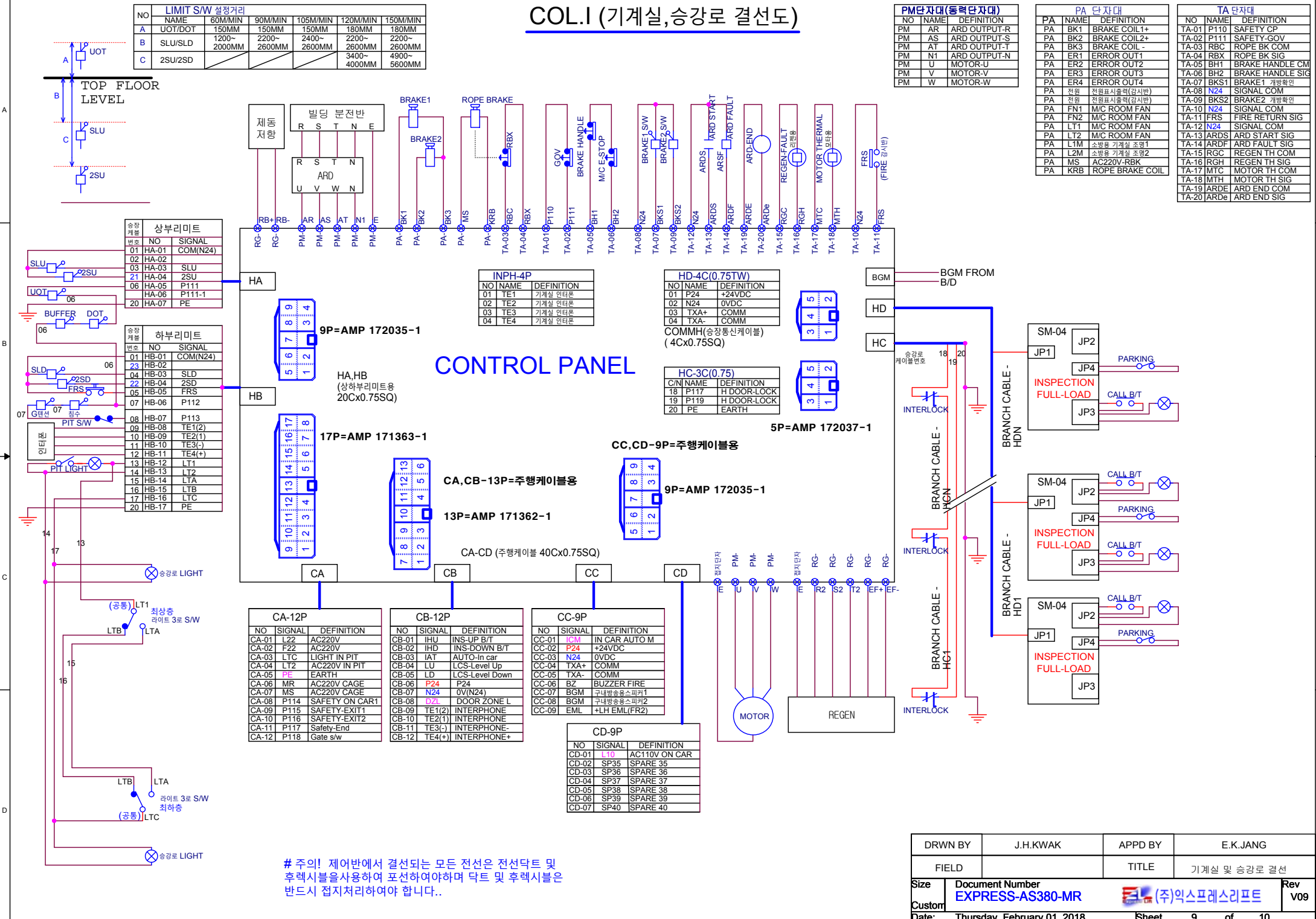
COL.I (기계실, 승강로 결선도)

NO	NAME	DEFINITION
PM	AR	ARD OUTPUT-R
PM	AS	ARD OUTPUT-S
PM	AT	ARD OUTPUT-T
PM	N1	ARD OUTPUT-N
PM	U	MOTOR-U
PM	V	MOTOR-V
PM	W	MOTOR-W

PA	NAME	DEFINITION
PA	BK1	BRAKE COIL1+
PA	BK2	BRAKE COIL2+
PA	BK3	BRAKE COIL -
PA	ER1	ERROR OUT1
PA	ER2	ERROR OUT2
PA	ER3	ERROR OUT3
PA	ER4	ERROR OUT4
PA	전원	전원표시출력(감시반)
PA	전원	전원표시출력(감시반)
PA	FN1	M/C ROOM FAN
PA	FN2	M/C ROOM FAN
PA	LT1	M/C ROOM FAN
PA	LT2	M/C ROOM FAN
PA	L1M	소방용 기계실 조명1
PA	L2M	소방용 기계실 조명2
PA	MS	AC220V-RBK
PA	KRB	ROPE BRAKE COIL

TA	NAME	DEFINITION
TA-01	P110	SAFETY CP
TA-02	P111	SAFETY-GOV
TA-03	RBC	ROPE BK COM
TA-04	RBX	ROPE BK SIG
TA-05	BH1	BRAKE HANDLE CM
TA-06	BH2	BRAKE HANDLE SIG
TA-07	BKS1	BRAKE1 개방확인
TA-08	N24	SIGNAL COM
TA-09	BKS2	BRAKE2 개방확인
TA-10	N24	SIGNAL COM
TA-11	FRS	FIRE RETURN SIG
TA-12	N24	SIGNAL COM
TA-13	ARDS	ARD START SIG
TA-14	ARDF	ARD FAULT SIG
TA-15	RGC	REGEN TH COM
TA-16	RGH	REGEN TH SIG
TA-17	MTC	MOTOR TH COM
TA-18	MTH	MOTOR TH SIG
TA-19	ARDE	ARD END COM
TA-20	ARDE	ARD END SIG

A
B
C
D



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)

C/N	NAME	DEFINITION
18	P117	H DOOR-LOCK
19	P119	H DOOR-LOCK
20	PE	EARTH

5P=AMP 172037-1

CC,CD-9P=주행케이블용

9P=AMP 172035-1

CA,CB-13P=주행케이블용

13P=AMP 171362-1

CA-CD (주행케이블 40Cx0.75SQ)

NO	SIGNAL	DEFINITION
CA-01	L22	AC220V
CA-02	F22	AC220V
CA-03	LTC	LIGHT IN PIT
CA-04	LT2	AC220V IN PIT
CA-05	PE	EARTH
CA-06	MR	AC220V CAGE
CA-07	MS	AC220V CAGE
CA-08	P114	SAFETY ON CAR1
CA-09	P115	SAFETY-EXIT1
CA-10	P116	SAFETY-EXIT2
CA-11	P117	Safety-End
CA-12	P118	Gate s/w

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	DZL	DOOR ZONE L
CB-09	TE1(2)	INTERPHONE
CB-10	TE2(1)	INTERPHONE
CB-11	TE3(-)	INTERPHONE
CB-12	TE4(+)	INTERPHONE+

NO	SIGNAL	DEFINITION
CC-01	KCM	IN CAR AUTO M
CC-02	P24	+24VDC
CC-03	N24	0VDC
CC-04	TXA+	COMM
CC-05	TXA-	COMM
CC-06	BZ	BUZZER FIRE
CC-07	BGM	구내방송용스피커1
CC-08	BGM	구내방송용스피커2
CC-09	EML	+LH EML(FR2)

NO	SIGNAL	DEFINITION
CD-01	L10	AC110V ON CAR
CD-02	SP35	SPARE 35
CD-03	SP36	SPARE 36
CD-04	SP37	SPARE 37
CD-05	SP38	SPARE 38
CD-06	SP39	SPARE 39
CD-07	SP40	SPARE 40

DRWN BY	J.H.KWAK	APPD BY	E.K.JANG
FIELD		TITLE	기계실 및 승강로 결선
Size	Document Number		Rev
Custom	EXPRESS-AS380-MR	(주)익스프레스리프트	V09
Date	Thursday, February 01, 2018	Sheet	9 of 10

주의! 제어반에서 결선되는 모든 전선은 전선닥트 및 후렉시블을 사용하여 포선하여야 하며 닥트 및 후렉시블은 반드시 접지처리하여야 합니다..

COL.J (CAR TOP 결선도)

T-1R DCB		T-1R PTC(220V)	
NO	NAME DEFINITION	NO	NAME DEFINITION
01	CM1R R-Door CM1(P24)	01	N24 N24
02	OPR R-Door Open Signal	02	PTCR R-Beam Sensor
03	CLR R-Door close signal	03	MR AC220V CAGE
04	CM2R R-Door CM2(N24)	04	MS AC220V CAGE
05	DOLR R-Door open limit	05	PE EARTH
06	DCLR R-Door close limit		
07	MRR R-Door Power	T-1R PTC(24V)	
08	MSR R-Door Power	NO	NAME DEFINITION
09	FCL NUDGING CLOSE	01	N24 N24
		02	PTCR R-Beam Sensor
		03	P24 PTC 적외선 DC24V+
		04	N24 PTC 적외선 DC24V-
R-GATE(호출카드어)		R-RSTE	
NO	NAME DEFINITION	NO	NAME DEFINITION
01	P118-1 호출카드어 + 스위치	01	N24 N24
02	P117 SAFETY END	02	STER R-Safety Edge
03	PE EARTH	03	PE EARTH

T2-F DCB			T6-PTC(220V)		
NO	NAME	DEFINITION	NO	NAME	DEFINITION
01	CM1	CM1(P24)	01	N24	0V(N24V)
02	CL	Door close signal	02	PTC	Safety beam signal
03	OP	Door open signal	03	MIR	AC220 CAGE
04	CM2	CM2(N24)	04	MS	AC220 CAGE
05	DCL	Door close limit	05	PE	EARTH
06	DOL	Door open limit	T6-PTC(24V)		
07	MIR	Door Power			
08	MS	Door Power			
09	FCL	NUDDING CLOSE			
			NO	NAME	DEFINITION
			01	N24	0V(N24V)

T7-STE(SAFETY EDGE)		
NO	NAME	DEFINITION
01	N24	0V(N24V)
02	STE	SAFETY EDGE
03	PE	EARTH

T14-TOP		
NO	NAME	DEFINITION
01	P115-1	카상부안전가드
02	P115	카상부안전가드
03	PE	EARTH

T9-LIGHT		
NO	NAME	DEFINITION
01	F22	AC220V
02	LX1	Car light
03	PE	EARTH

T10-FAN		
NO	NAME	DEFINITION
01	F22	AC220V
02	FX1	Car fan
03	PE	EARTH

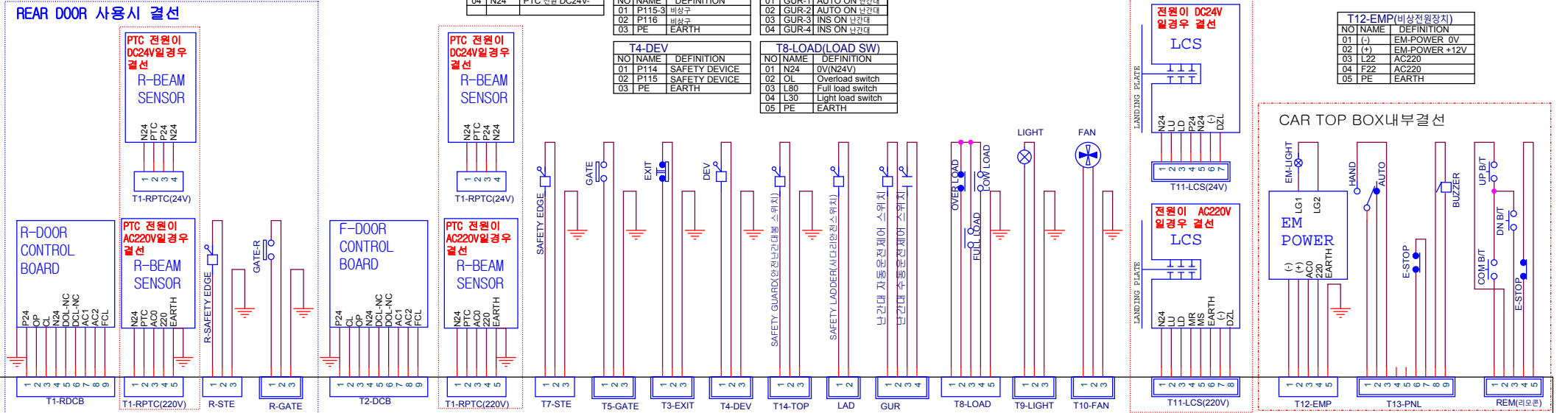
T11-LCS(220V)		
NO	NAME	DEFINITION
01	N24	0V(N24V)
02	LU	Up leveling switch
03	LD	Down leveling switch
04	MR	AC220V CAGE
05	MS	AC220V CAGE
06	PE	EARTH
07	-	EM-POWER 0V
08	DZL	DOOR ZONE

T11-LCS(24V)		
NO	NAME	DEFINITION
01	N24	0V(N24V)
02	LU	Up leveling switch
03	LD	Down leveling switch
04	P24	외면단 적층 DC24V+
05	N24	외면단 적층 DC24V-
06	-	EM-POWER 0V
07	DZL	DOOR ZONE

T13-PNL(운전판넬)	
NO	NAME DEFINITION
01	N24 0V(N24)
02	CAT AUTO ON CAR
03	INS INS ON CAR
04	
05	
06	P115-2 SAFETY ON CAR
07	P115-3 SAFETY ON CAR
08	BZ BUZZER
09	P24 +24VDC

REM(리모콘)	
NO	NAME DEFINITION
01	ATI AUTO IN CAR
02	OHU INS-UP B/T
03	OHD INS-DOWN B/T
04	P115-1 SAFETY REMOCOL
05	P115-2 SAFETY REMOCOL

NO	NAME	DEFINITION
01	(-)	EM-POWER 0V
02	(+)	EM-POWER +12V
03	L22	AC220
04	F22	AC220
05	PE	EARTH



콘넥터(모렉스36513)

NO	NAME	DEFINITION
01	N24	HX의 COM
02	STE	HX2-STE신호
03	PTC	HX3-PTC신호
04	L30	HX4-L30%
05	L80	HX5-L80%
06	LOL	HX6-OVERLOAD
07	DLT	HY5-DLT출력

SM09IO/B-(REAR)		
NO	NAME	DEFINITION
01	RDOL	HX7-R OP-END
02	RDCL	HX8-R CL-END
03	PTCR	HX9-R PTC
04	P24	HX7,8,9의 COM
05	STER	HX10-R STE
06	OPR	HY6-R OPEN
07	CLR	HY7-R CLOSE
08	FCL	HY8-R NUDG
09	N24	HY6,7의 공통

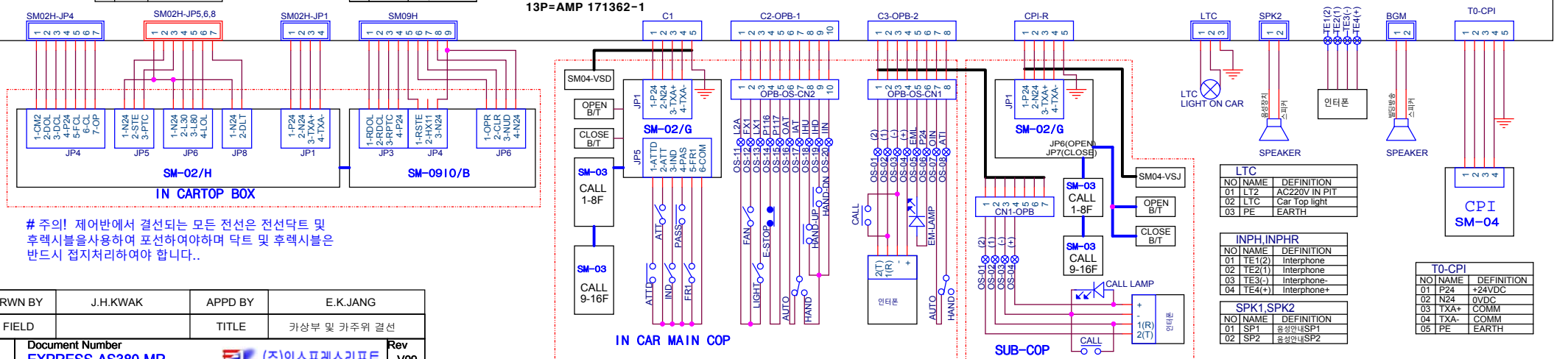
MY-4(DC24)

13P=AMP 171362-1


CA,CB-13P=주행케이블용

9P=AMP 172035-1

CARTOP BOX



주의! 제어반에서 결선되는 모든 전선은 전선닥트 및 후렉시블을 사용하여 포선하여야하며 닥트 및 후렉시블은 반드시 접지처리하여야 합니다..

DRWN BY		J.H.KWAK	APPD BY		E.K.JANG
FIELD			TITLE		
Size Custom			Document Number EXPRESS-AS380-MR  (주)익스프레스리프트		
Date: Monday, February 05, 2018			Sheet 10 of 10		
			Rev V09		

LTC		
NO	NAME	DEFINITION
01	LT2	AC220V IN PIT
02	LTC	Car Top light
03	PE	EARTH

INPH,INPHR		
NO	NAME	DEFINITION
01	TE1(2)	Interphone
02	TE2(1)	Interphone
03	TE3(-)	Interphone-
04	TE4(+)	Interphone+

SPK1,SPK2		
NO	NAME	DEFINITION
01	SP1	음성인내SP1
02	SP2	음성인내SP2

T0-CPI		
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" CONTACTTOGGLE SWITCH
	"B" CONTACTTOGGLE 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(FIELD)
	JOINT POINT WIRE IN HOISTWAY
	TRANSFORMER
	RESISTER IN PCB
	MOTOR FIELD(DOOR MOTOR)
	HARNESS(P112=SIGNL 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" CONTACTTHERMAL SWITCH
	SOLENOIDE
	COIL OFMAGNETIC CONTACTOR
	LEVELING INDUCTOR

CONTACT LOCATION & DESCRIPTION OF SIGNAL

M/C NAME	LOCATION											DESCRIPTION
	COIL	L1/T1	L2/T2	L3/T3	L13/14	43/44	53/54	61/62	71/72	83/84		
MC	B	A	A	A	C			B	B		MAIN CONTACTOR	
MY	B	A	A	A	B			A	A	C	MOTOR POWER MC	
BK1	B	A	B	B	C						BRAKE 1 MC	
BK2	B		B	B	C						BRAKE 2 MC	
BY	B	B									BRAKE COMMON MC	
UCM	C				B	B	F	F			PCB SAFETY MC	
FDL	C				C	C		C			DOOR LOCK MC	
ROPE	F				F	B					ROPE BRAKE MC	

Relay NAME	LOCATION MY-4									DESCRIPTION
	COIL	5/9	6/10	7/11	8/12	1/9	2/10	3/11	4/12	
FAT	B						G	B		ON CAR AUTO RELAY
FRS	C	G	G		G					FIRE SERVICE RELAY
SDO	D1		D1							DOOR OPEN SPEED
SDC	D1		D1							DOOR CLOSE SPEED
DLT	E					G	G			CAR LIGHT DELAY RY

Relay NAME	LOCATION SR2M						DESCRIPTION
	COIL	11/14	21/24	11/12	21/22		
SLU	C	B					UP SLOWDOWN RY
INS	B	B					INSPECTION RELAY
CIN	B	B	B				ON CAR INS RELAY
IIN	B			B			IN CAR INS RELAY
9G	B	B					CAR DOOR SW RELAY
9H	B	B					HATCH DOOR RELAY

NAME	DESCRIPTION
ENC	ROTARY ENCORDER
AS.T029	MAIN BOARD
AS.T024	ENCBOARD-동기용
AS.T041	ENCBOARD-비동기용
SM-02/H	카상부통신기판
SM-02/G	카내부통신기판
SM-09IO	옵선 기능기판
SM-03	카콜 입력기판
SM-04/VSD	승장통신 및 표시기-CPI
SM-04E1	로프브레이크용 기판
SM-04/HSC	승장통신 및 표시기-가로형
SM-04/VSC	승장통신 및 표시기-세로형
SM-04/VSP	승장통신 및 표시기-HPI
SM-04/VSX	승장통신 및 표시기-슬림형
AS.T030	제어반 내부 키보드 조작 기판
POWER-AS380	제어반 내 콘넥터기판
CARTOP-AS380	카상부 콘넥터기판

NAME	DESCRIPTION
HA	승강로 상부 하네스 콘넥터
HB	승강로 하부 하네스 콘넥터
HC	승강로 도어록 하네스 콘넥터
HD	승강로 통신 하네스 콘넥터
CA	카상부 주행 케이블 콘넥터1
CB	카상부 주행 케이블 콘넥터2
CC	카상부 주행 케이블 콘넥터3
CD	카상부 주행 케이블 콘넥터4

SIGNAL	DESCRIPTION
00	SAFETY CIRCUIT 0V /DC110V
2SD	DOWN 2단 감속 신호
2SU	UP 2단 감속 신호
ATO	SAFETY회로-수동운전COMMON
BGM	구내방송스피커1
BGM	구내방송스피커2
BK1	BRAKE COIL 1+ (60~100VDC)
BK2	BRAKE COIL 2+ (60~100VDC)
BK3	BRAKE COIL 1,2의 COM(0V)
BKS1	BRAKE1 OPEN 확인신호
BKS2	BRAKE2 OPEN 확인신호
BZ1	BUZZER +
BZ2	BUZZER -
CL	DOOR CLOSE SIGNAL
CLR	REAR DOOR CLOSE SIGNAL
CM1	DOOR OP/CL의 공통단자(P24)
CM1R	REAR DOOR OP/CL의 공통단자
CM2	도어 리미트신호의 공통단자
CM2R	REAR도어 리미트신호의 공통
COM	제어신호의 공통단자(N24)
CT1	기계실 CONCENT 용 전원단자대
CT2	기계실 CONCENT 용 전원단자대
DCL	DOOR CLOSE LIMIT
DCLR	REAR DOOR CLOSE LIMIT
DL	DOWN LIMIT
DOL	DOOR OPEN LIMIT
DOLR	REAR DOOR OPEN LIMIT
EF-	REGEN-INPUT-
EF+	REGEN-INPUT+
ER1	ERROR출력 CM1단자/이상발생
ER2	ERROR출력 SG1단자/이상발생
ER3	ERROR출력 CM2단자/정상운전
ER4	ERROR출력 SG2단자/정상운전
F10	0V AC110V/카상부 AC110V공급용
F22	0V AC220V/카상부 AC220V공급용
FRS	FIRE RETURN SIGNAL
FX1	AC220V/카상부 FAN SW공급용
IAT	AUTO IN CAR SIGNAL
IHD	INSPECTION-DOWN SIGNAL
IHU	INSPECTION-UP SIGNAL

SIGNAL	DESCRIPTION
INS	INS ON CAR
IS1	SAFETY-REMOCON
ISO	SAFETY-INSPECTION CIRCUIT
KRB	ROPE BRAKE COIL
L1	220V From B/D
L10	AC110V ON CAR
L2	220V From B/D
L22	AC220V ON CAR
L30	30% LOAD SIGNAL
L80	80% LOAD SIGNAL
LD	LEVEL DOWN
LL1	ARD OUTPUT(AC220V)
LT1	승강로LIGHT / AC220V
LT2	승강로LIGHT / AC220V
LTA	승강로 3WAY / AC220V
LTB	승강로 3WAY / AC220V
LTC	승강로 3WAY / AC220V
LU	LEVEL UP
LX1	AC220V/카상부 LIGHT SW공급용
MR	AC220V-ON CAR(CP POWER)
MRR	AC220V-ON CAR(REAR DOOR)
MS	AC220V-ON CAR(CP POWER)
MSR	AC220V-ON CAR(REAR DOOR)
N	NEUTRAL
NN1	ARD OUTPUT
N24	COM(N24)-DC24V의 0V
OAT	AUTO ON CAR
OHD	INSPECTION-DOWN SIGNAL
OHU	INSPECTION-UP SIGNAL
OL	OVERLOAD SIGNAL
OP	DOOR OPEN SIGNAL
OPN	REAR DOOR-OPEN SIGNAL
P112	SAFETY MACHINE ROOM
P112-1	SAFETY UP-FINAL
P113	SAFETY DOT.BUF,G-TEN,WAT SW
P114	SAFETY PIT SWITCH
P115	SAFETY CAR-TOP DEVICE SW
P115-1	SAFETY CAR-TOP GUARD SW
P115-2	SAFETY E-STOP REMOCON
P115-3	SAFETY ON CAR E-STOP B/T

[illegible]

전기도면 약어 및 부품적용표

부품명	부품설명 및 용도	제조사	모델명	규격/적용	성적서 규정
ARD	AUTO RESCUE DEVICE	DINGU ELECTRIC	DL-EDP490T	OPTION	2004/108/CE
EM-OP	구출운전 스위치	한영닉스	CR-253	OPTION	K 60947-5-1
EMP	비상등 전원장치	정석전기	JEM-600	DC12V-2.9AH	제01-17-03-19호
PMR-44	역결상계전기	Schneider	PMR-44-ON7	380V	OPTION
REGEN	RE-GENERATION DEVICE	STEP ELECTRIC CO	AS RG/E 4011	11KW	OPTION
			AS RG/E 4015	15KW	OPTION
			AS RG/E 4018	18.5KW	OPTION
			AS RG/E 4022	22KW	OPTION
			AS RG/E 4030	30KW	OPTION
SMPS	전원공급장치(DC24V)	MEAN WELL	ESP 150-24	DC24V 6A	
UR2	DC110V 정류기	SEMICONDUCTOR	KBP C3510	1000V . 30A	
UR3	DC200V 정류기		KBP C3510	1000V . 31A	
UPS	BRAKE 개방운전용 전원장치	정석전기	EPB-120	DC 100V	OPTION
CS0	제어반 내 220V CONCENT	현대엘렉트릭	접지노출1구	AC220V 16A	
CS1	카상부운전반 220V CONCENT	현대엘렉트릭	접지노출2구	AC220V 16A	
CS2	피트 내 220V CONCENT	현대엘렉트릭	접지노출1구	AC220V 16A	
CS3	머신통 220V CONCENT	현대엘렉트릭	접지노출2구	AC220V 16A	
EL0	제어반 내 조명등	린전자	직부등	AC220V 17W	
EL1	카내부 조명등	완성업체에서 공급			
EL2	피트 내 조명등	완성업체에서 공급			
EL3	카상부 조명등	완성업체에서 공급			
EL4	승강로 상부측 조명등	완성업체에서 공급			
EL5	승강로 하부측 조명등	완성업체에서 공급			
GOV	GOVERNOR 안전스위치	완성업체에서 공급			
UOT	상부 주행 FINAL 안전스위치	동인안전	리미트스위치	B-CONTACT	K 60947-5-1
DOT	하부 주행 FINAL 안전스위치	동인안전	리미트스위치	B-CONTACT	K 60947-5-1
BUFFER	BUFFER 안전스위치	완성업체에서 공급			
GOVT	GOV TENSION SHEAVE 안전스위치	완성업체에서 공급			
WOT	피트 침수 안전스위치	완성업체에서 공급			
PIT	PIT 안전스위치	한영닉스	ARE-4R		K 60947-5-1
DEV	SAFETY DEVICE 안전스위치	완성업체에서 공급			
TOP	카상부 안전난간대 안전스위치	완성업체에서 공급			
E-STOP	EMERGENCY STOP 안전스위치	한영닉스	ARE-4R		K 60947-5-1
EXIT	비상구 출구 안전스위치	완성업체에서 공급			
NFB1	주 개폐기. 모니터용량-5.5-7.5KW	LS 산전	ABN-33	30A	KS C 8321
	주 개폐기. 모니터용량-9.5-11KW		ABN-53	40A	KS C 8321
	주 개폐기. 모니터용량-13-15KW		ABN-53	50A	KS C 8321
	주 개폐기. 모니터용량-18.5KW		ABN-63	60A	KS C 8321
	주 개폐기. 모니터용량-22KW		ABN-63	75A	KS C 8321
	주 개폐기. 모니터용량-30KW		ABN-103	100A	KS C 8321
NFB2, 3	조명 개폐기	LS 산전	32GRHC	15A	KS C 4613
MC. MY	주 접촉기-모터용량: 5.5KW	LS 산전	MC-22	11KW/22A	K 60947-4-1
	주 접촉기-모터용량: 7.5KW		MC-32	15KW/32A	K 60947-4-1
	주 접촉기-모터용량: 9.5-11KW		MC-32	15KW/32A	K 60947-4-1
	주 접촉기-모터용량: 13-15KW		MC-50	22KW/50A	K 60947-4-1
	주 접촉기-모터용량: 18.5KW		MC-50	22KW/50A	K 60947-4-1
	주 접촉기-모터용량: 22KW		MC-65	30KW/65A	K 60947-4-1
	주 접촉기-모터용량: 30KW		MC-75	37KW/75A	K 60947-4-1
UCM	안전회로 접촉기, UCM	후지전기	SH-4/G	120V. 6A	AC-15 K 60947-5-1
FD L	안전회로 접촉기-DOOR LOCK		SH-4/G	120V. 6A	AC-15 K 60947-5-1
ARD	안전회로 접촉기-ARD		SH-4/G	120V. 6A	AC-15 K 60947-5-1
ROPE	안전회로 접촉기-ROPE BRAKE		SH-4/G	120V. 6A	AC-15 K 60947-5-1

부품명	부품설명 및 용도	제조사	모델명	규격/적용	성적서 규정
9G,9H,IIN, CIN,INS	안전회로 릴레이-DOOR SW	써미트일렉트로닉스	SR2M	120V. 3A	AC-15 K 60947-5-1
동력선	동력케이블-모터용량: 5.5-7.5KW	㈜케이디씨	KIV	6SQ	KS 60227-3
	동력케이블-모터용량: 9.5-11KW		KIV	10SQ	KS 60227-3
	동력케이블-모터용량: 13-15KW		KIV	10SQ	KS 60227-3
	동력케이블-모터용량: 18.5-22KW		KIV	16SQ	KS 60227-3
	동력케이블-모터용량: 30KW		KIV	25SQ	KS 60227-3
승강로전선	승강로 하네스케이블(CP-PIT)	㈜케이디씨	VCTF	0.75SQ 20C	KS 60227-6
	각종도어스위치(H-DOOR LOCK)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강기 상부 리미트 (UOT)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강로 하부 리미트(DOT)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강로 상부 조명등(LTA)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강로 하부 조명등(LTB)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강로 강제감속 스위치(SLU)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강로 강제감속 스위치(SLU)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강로 상부 조명 3로 스위치용(LTA)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	승강로 상부 조명 3로 스위치용(LTA)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	로비 화재 리턴스위치(FRS)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	피트 안전스위치 및 조명용(PIT)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	피트 버터 안전스위치(BUFFER)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	가바나 텐션시브안전스위치(GOVT)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	피트 침수확인안전스위치(WOT)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	인터폰 또는 비상통화장치	㈜케이디씨	VCTF	0.75SQ 4C	KS 60227-5
	승강 콜버튼케이블	동양전자	DATA CABLE	0.5SQ 8C	
	승강로 통신케이블(TWISTx2)	㈜케이디씨	DATA CABLE	0.5SQ 4C	SHEILD
카주위케이블	카상부 조명등(LTC)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	세프티 디바이스 안전스위치(DEV)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	안전난간대스위치(TOP)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	비상구 안전스위치(EXIT)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	카도어스위치(GATE)	㈜케이디씨	VCTF	0.75SQ 3C	KS 60227-5
	카하부 로드스위치(L30 L80 LOL)	㈜케이디씨	VCTF	0.75SQ 5C	KS 60227-6
	도어콘트롤러용 케이블 (DCB)	㈜케이디씨	VCTF	0.75SQ 10C	KS 60227-6
가요성케이블	착상장치용 케이블(LU LD)	㈜케이디씨	VCTF	0.75SQ 6C	KS 60227-6
	도어든 힘 안전장치(STE)	㈜케이디씨	DATA CABLE	0.75SQ 3C	KS 60227-5
	벨선서용 케이블(STR)	㈜케이디씨	DATA CABLE	0.75SQ 5C	KS 60227-6
이동 케이블	주행거리45M이상 표준사양	에스티전선	EVVF-H	0.75SQ 30C	TH=45M이상 KS B 6948-2007
	주행거리46M미만 표준사양		EVVF-L	0.75SQ 30C	TH=45M미만 KS B 6948-2007
	주행거리47M이상 선택사양		EVVF-H	0.75SQ 40C	TH=45M이상 KS B 6948-2007
	주행거리48M미만 선택사양		EVVF-L	0.75SQ 40C	TH=45M미만 KS B 6948-2007
노이즈 필터	모터용량:5.5KW-7.5KW	㈜삼대전기	FT310-15	7.5KW	380V
	모터용량:9.5KW-11KW		FT310-25	11KW	380V
	모터용량:13KW-15KW		FT310-30	15KW	380V
	모터용량:18.5KW		FT310-40	18.5KW	380V
	모터용량:22KW		FT310-50	22KW	380V
	모터용량:30KW		FT310-60	30KW	380V
SPD	SURGE BOX	프라임솔루션	SB+PS2-40S 3P	40G	380V KS C IEC 61643
UFC	인버터-5.5KW	STEP ELECTRIC CO	AS 380-T05P5	13A	380V 11-PEL-00017/03
	인버터-7.5KW		AS 380-T07P5	18A	380V 11-PEL-00017/03
	인버터-11KW		AS 380-T0011	27A	380V 11-PEL-00017/03
	인버터-15KW		AS 380-T0015	34A	380V 11-PEL-00017/03
	인버터-18.5KW		AS 380-T18P5	41A	380V 11-PEL-00017/03
	인버터-22KW		AS 380-T0022	48A	380V 11-PEL-00017/03
	인버터-30KW		AS 380-T0030	65A	380V 11-PEL-00017/03