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ARCUBE MONOBLOCK LIFT CONTROL UNIT

MRL1

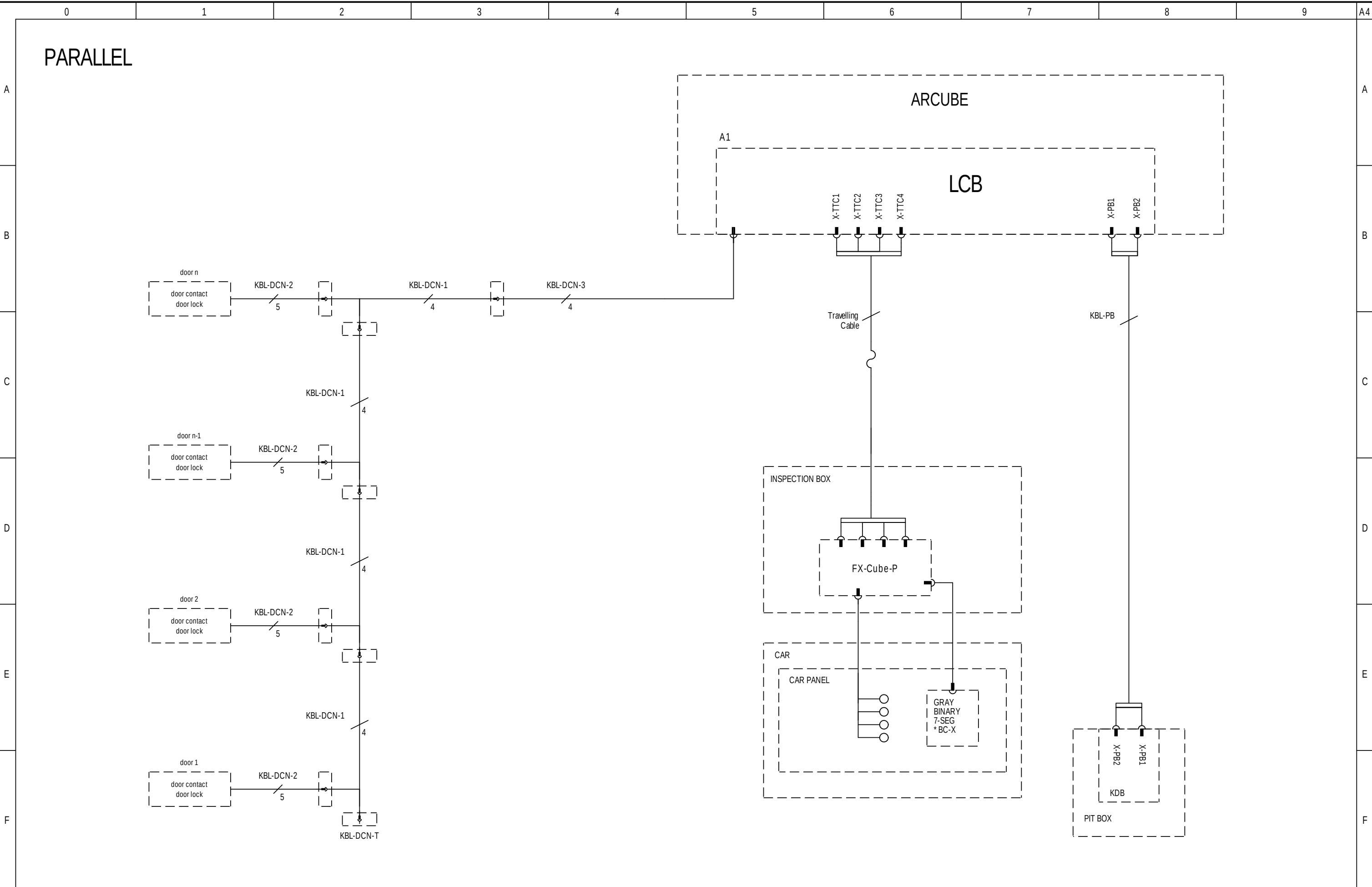
PRODUCT CODE:	1005251
CUSTOMER:	ARCUBE GLB
INSTALLATION ADDRESS:	
VERSION NO:	V1.05
VERSION DATE:	05.08.2020

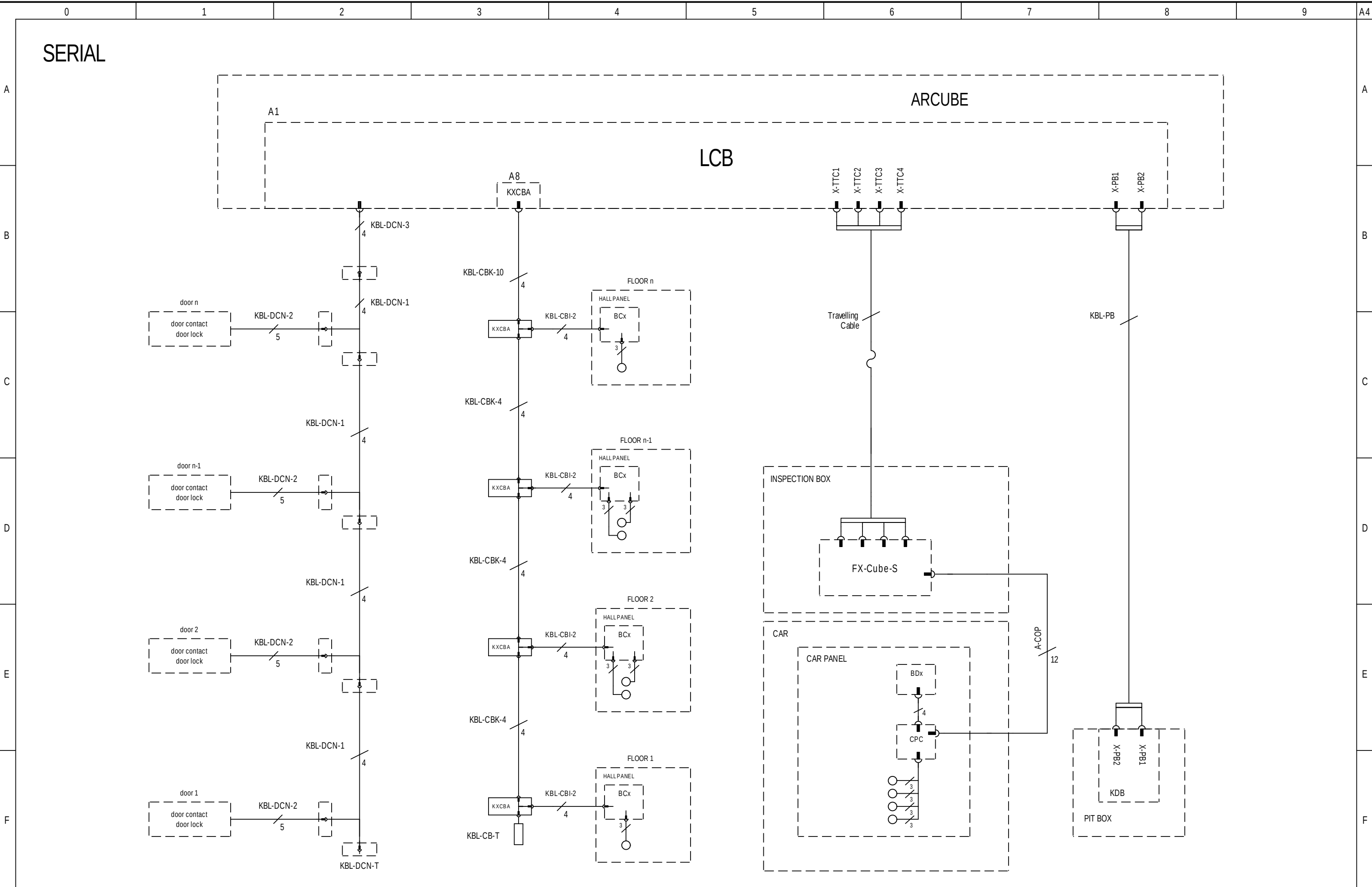
List of Documents

Sheet	Kind of Document	Description	Revision no	Revision date				
1	Project cover sheet							
1	Document list							
2	Document list							
1 001	Circuit diagrams (EN)	PRE-WIRED INSTALLATION OVERVIEW	V1.1	26.11.2019				
1 011	Circuit diagrams (EN)	PRE-WIRED INSTALLATION OVERVIEW	V1.2	26.11.2019				
1 500	Circuit diagrams (EN)	Terminals						
2 030	Circuit diagrams (EN)	MAINS POWER	V1.0	12.09.2019				
2 200	Circuit diagrams (EN)	CAR & SHAFT SUPPLY	V1.0	17.10.2018				
3 001	Circuit diagrams (EN)	SUPPLY CIRCUITS	V1.0	17.10.2018				
4 001	Circuit diagrams (EN)	CONTACTOR CIRCUITS	V1.1	20.08.2019				
4 150	Circuit diagrams (EN)	MOTOR CIRCUITS	V1.1	20.08.2019				
4 304	Circuit diagrams (EN)	SPEED GOVERNOR SET-RESET	V1.0	21.01.2017				
4 500	Circuit diagrams (EN)	EMERGENCY SUPPLY	V1.0	17.10.2018				
5 010	Circuit diagrams (EN)	MECHANICAL BRAKE CIRCUITS	V1.0	17.10.2018				
5 900	Circuit diagrams (EN)	ENCODER CONNECTION	V1.0	21.01.2017				
5 902	Circuit diagrams (EN)	MOTOR FAN	V1.0	17.10.2018				
6 001	Circuit diagrams (EN)	CONTROL CARD CONNECTIONS	V1.0	17.10.2018				
6 650	Circuit diagrams (EN)	Landing Installation	V1.0	17.10.2018				
6 806	Circuit diagrams (EN)	DOOR BYPASS - BUZZER & FLASHING LIGHT	V1.0	21.01.2017				
6 811	Circuit diagrams (EN)	ARLINE	V1.1	18.08.2020				
6 820	Circuit diagrams (EN)	ArLIFT						
7 053	Circuit diagrams (EN)	SAFETY CIRCUITS	V1.1	5.05.2020				
7 054	Circuit diagrams (EN)	SAFETY CIRCUITS	V1.0	01.03.2017				
7 055	Circuit diagrams (EN)	SAFETY CIRCUITS	V1.1	3.01.2020				
7 150	Circuit diagrams (EN)	SAFETY CIRCUITS	V1.0	17.10.2018				
7 303	Circuit diagrams (EN)	SAFETY CIRCUITS	V1.0	07.03.2019				
7 401	Circuit diagrams (EN)	DOOR CONTACT CABLE BRIDGING ON KBL-DCN-2 FOR FULL AUTOMATIC DOORS	V1.0	17.10.2018				
9 008	Circuit diagrams (EN)	AUTOMATIC DOOR CONNECTION	V1.0	17.10.2018				
10 003	Circuit diagrams (EN)	MAGNET CONFIGURATION	V1.0	15.08.2019				
10 004	Circuit diagrams (EN)	MAGNET CONFIGURATION	V1.0	15.08.2019				
 www.arkel.com.tr		ARCUBE GLB			Project: Arcube_17A_MRL1_GLB_v105 (1005251)		Sheet: 1	
					Note:		Date: 3.09.2020	

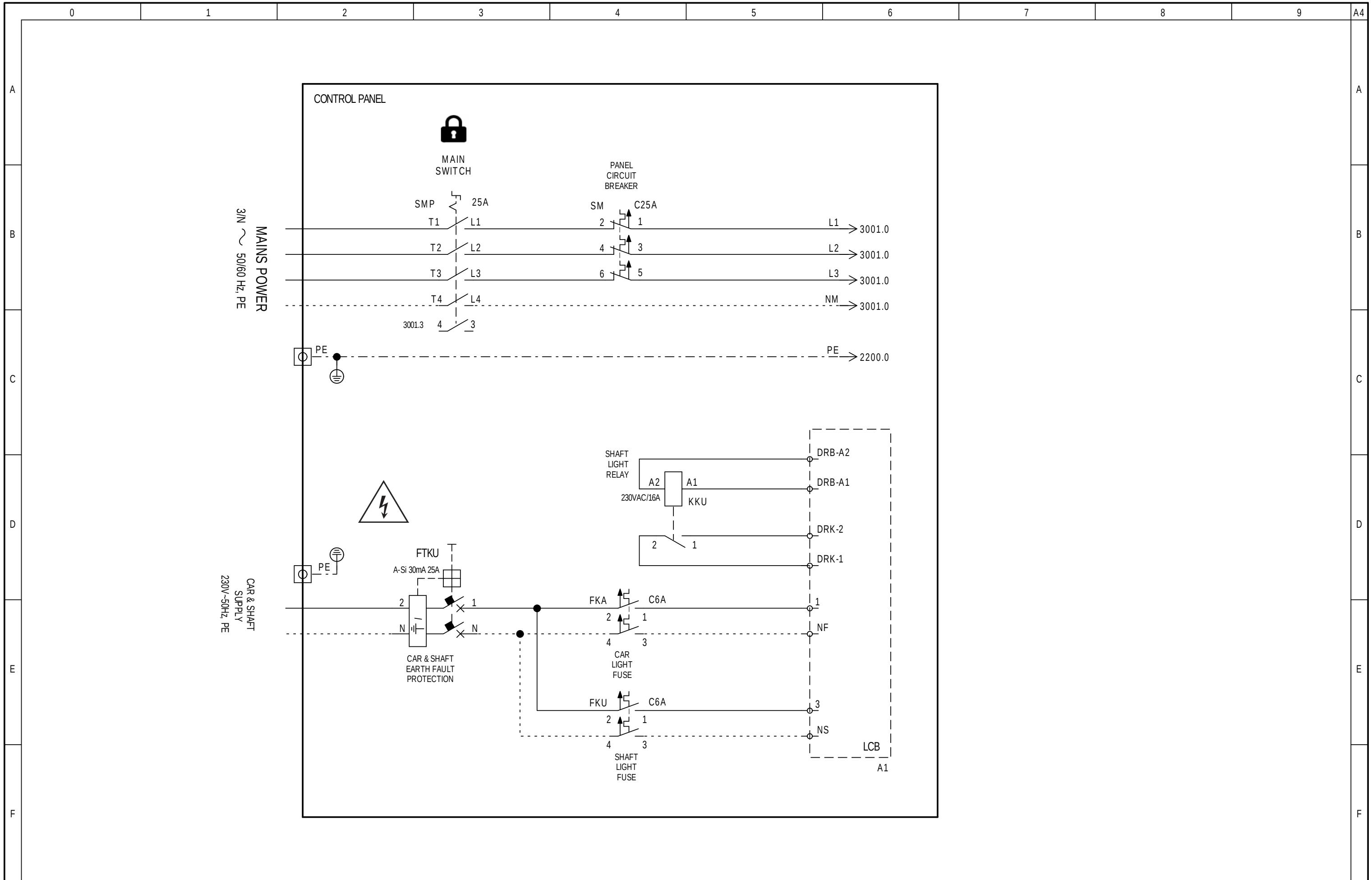
List of Documents

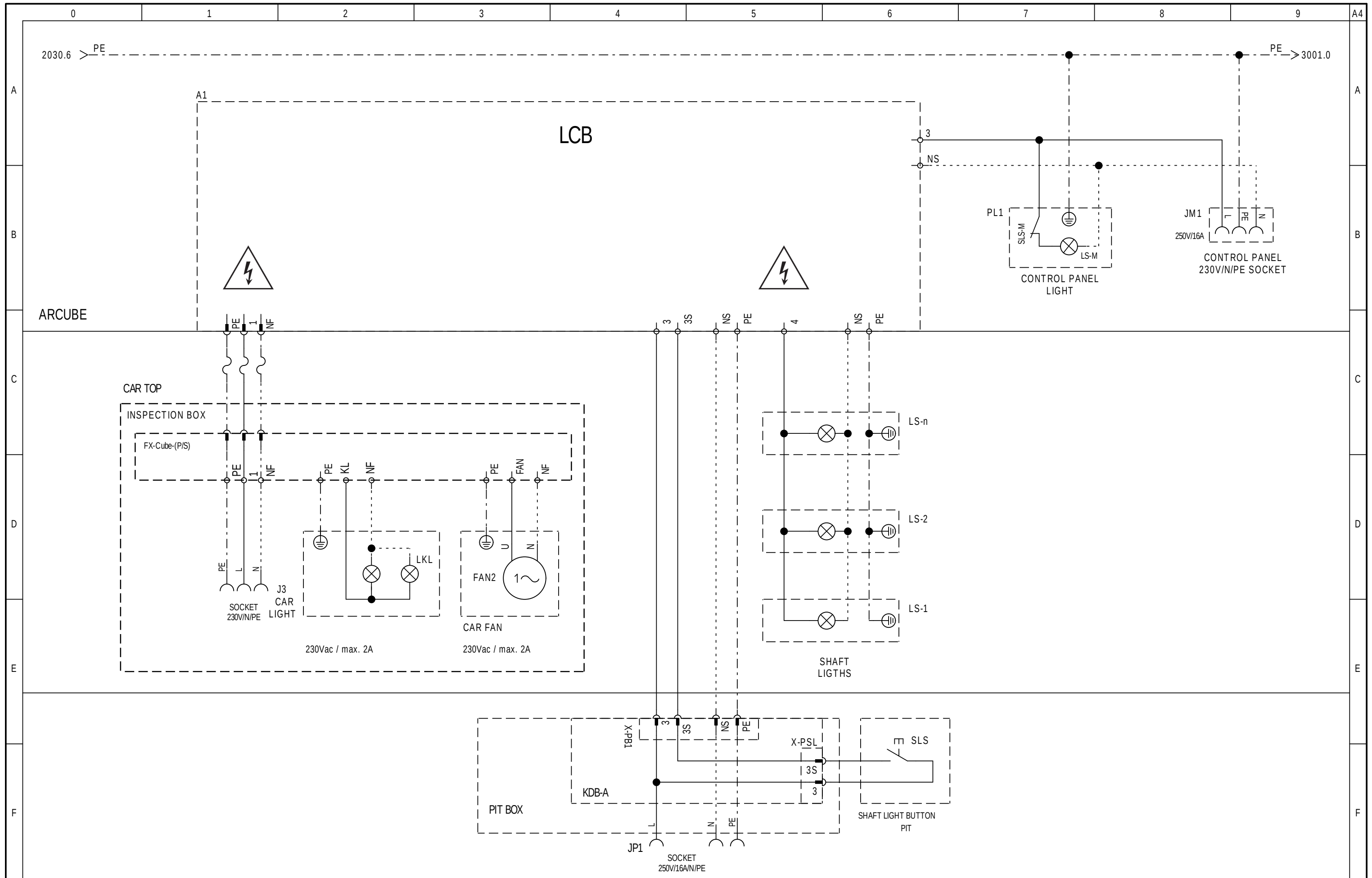
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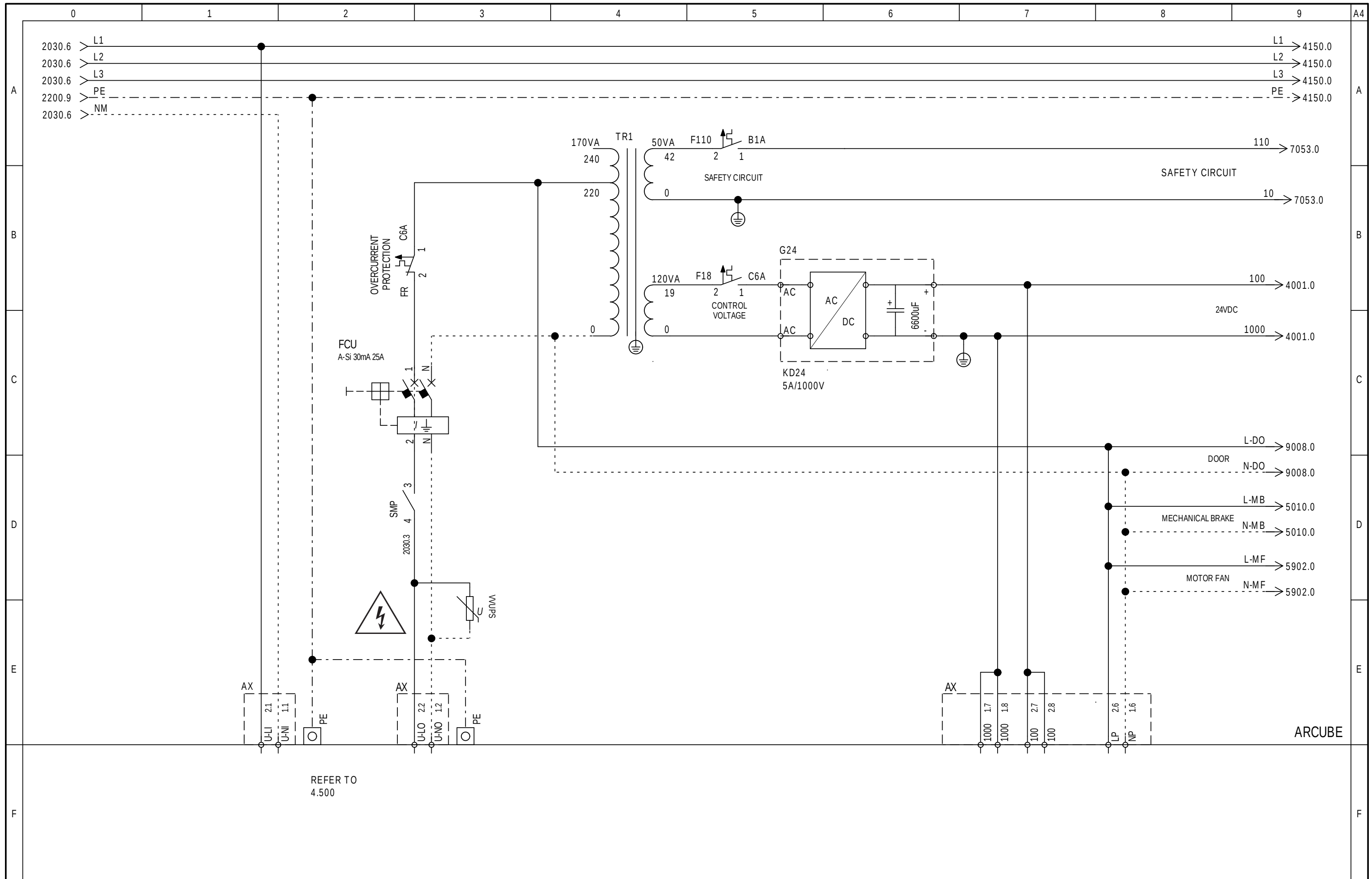


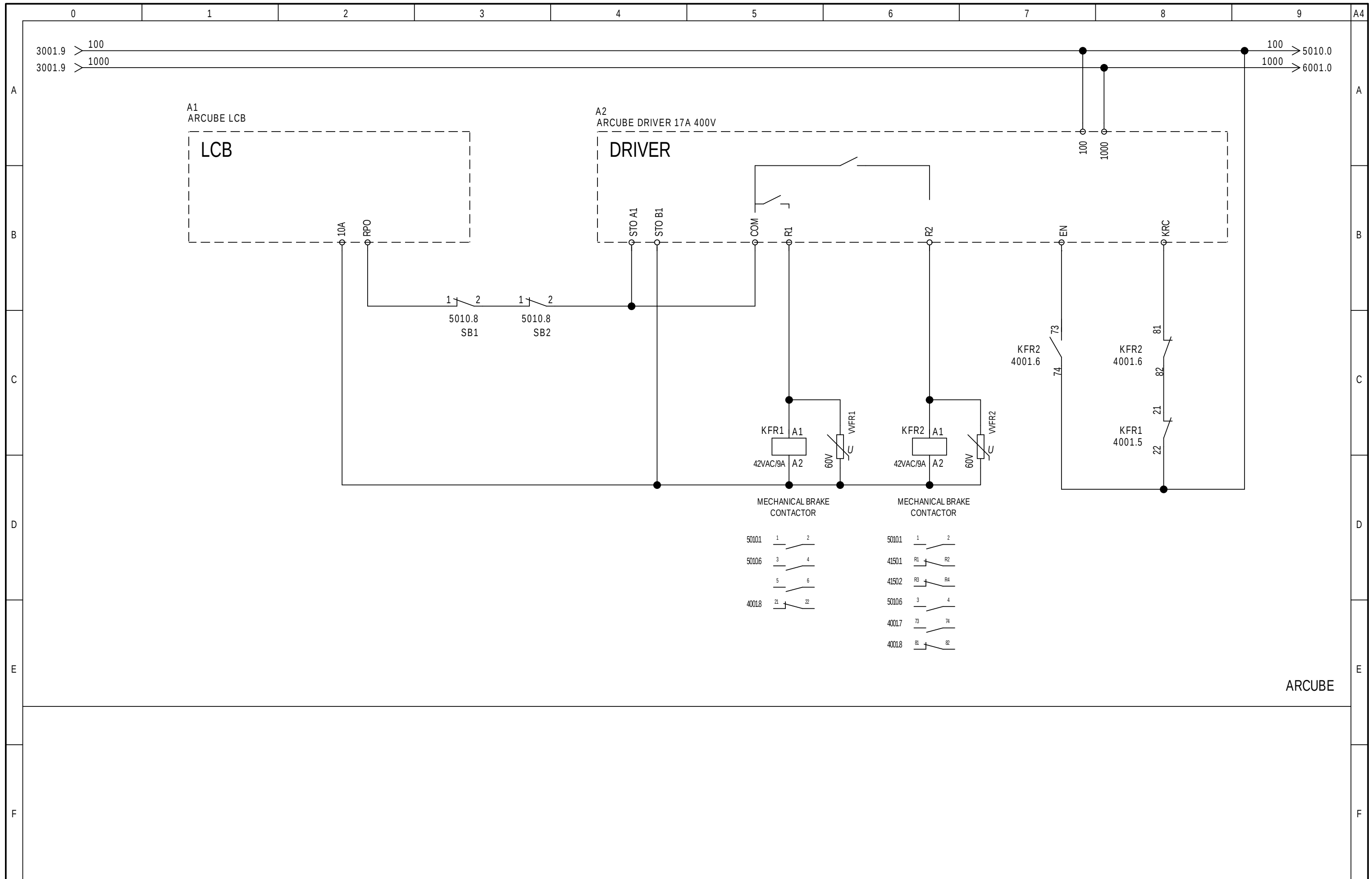


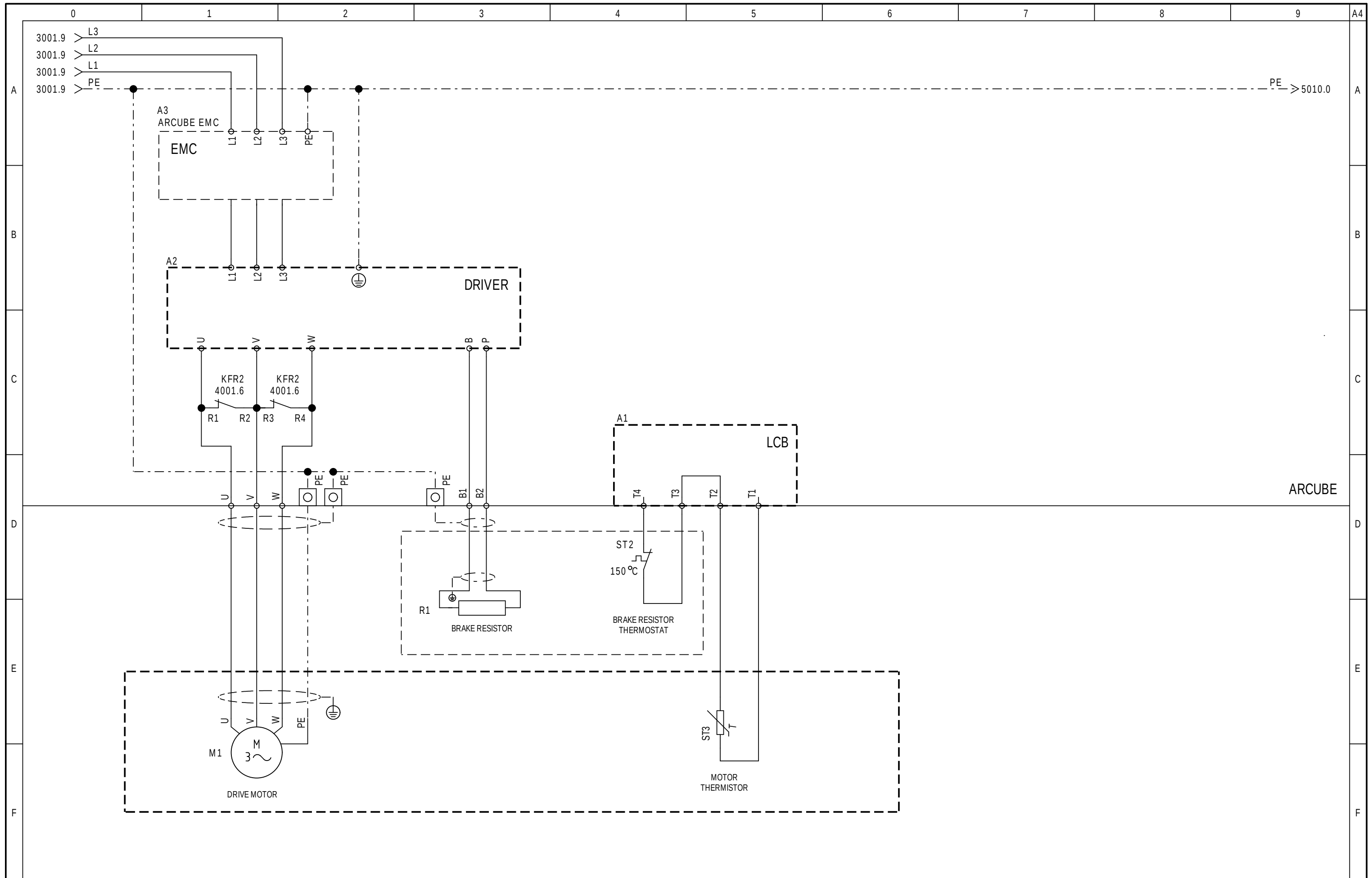
 www.arkel.com.tr	ARCUBE GLB	Terminals	DRAWN BY: A.K.	Rev. No:	Sheet: 1 500
			CHECKED BY: Ö.Y.	Rev. Date:	Date: 3.03.2020

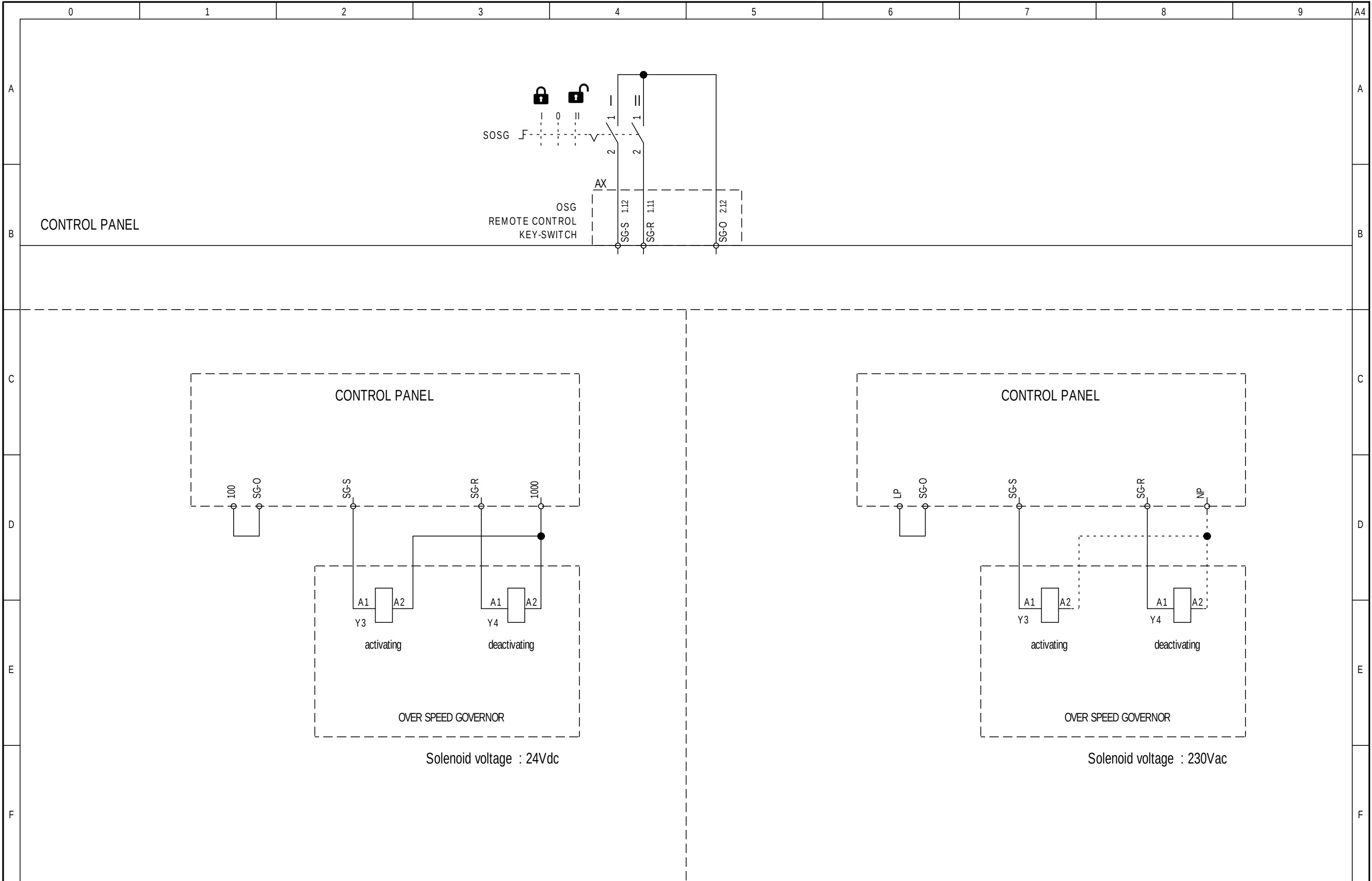


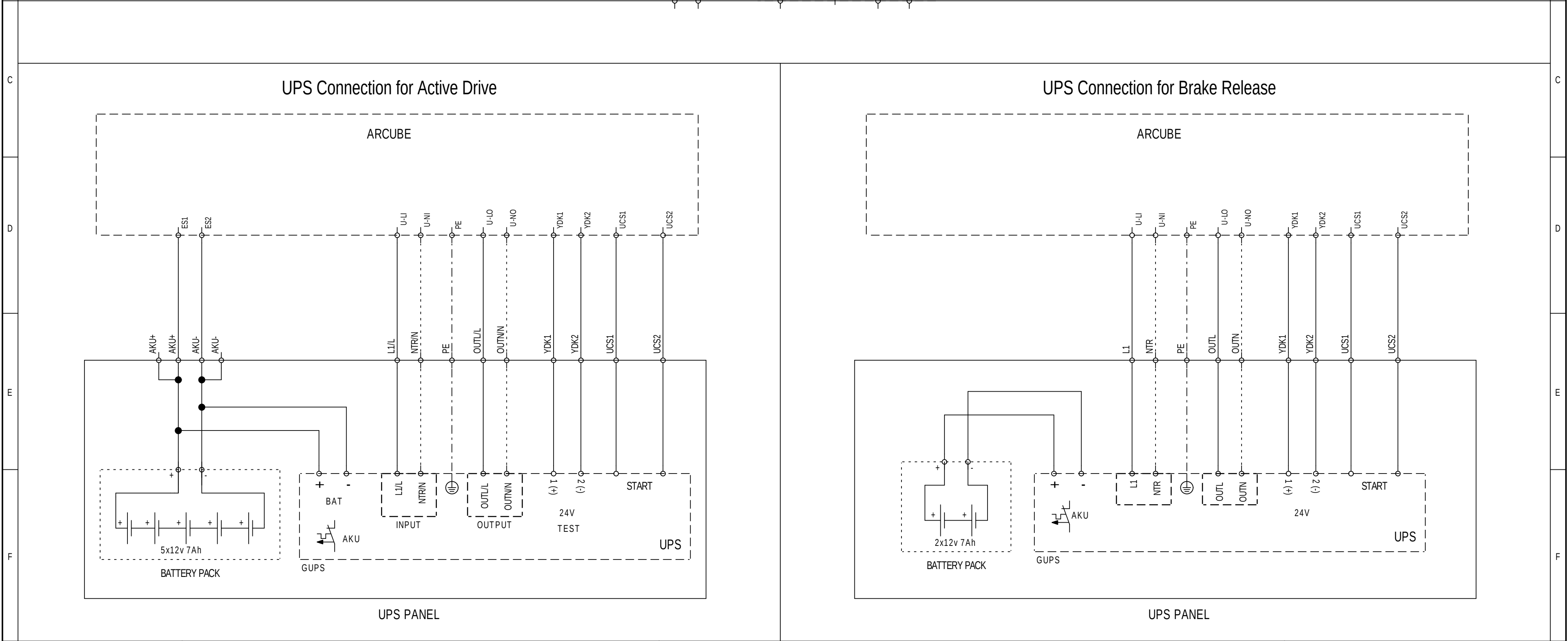
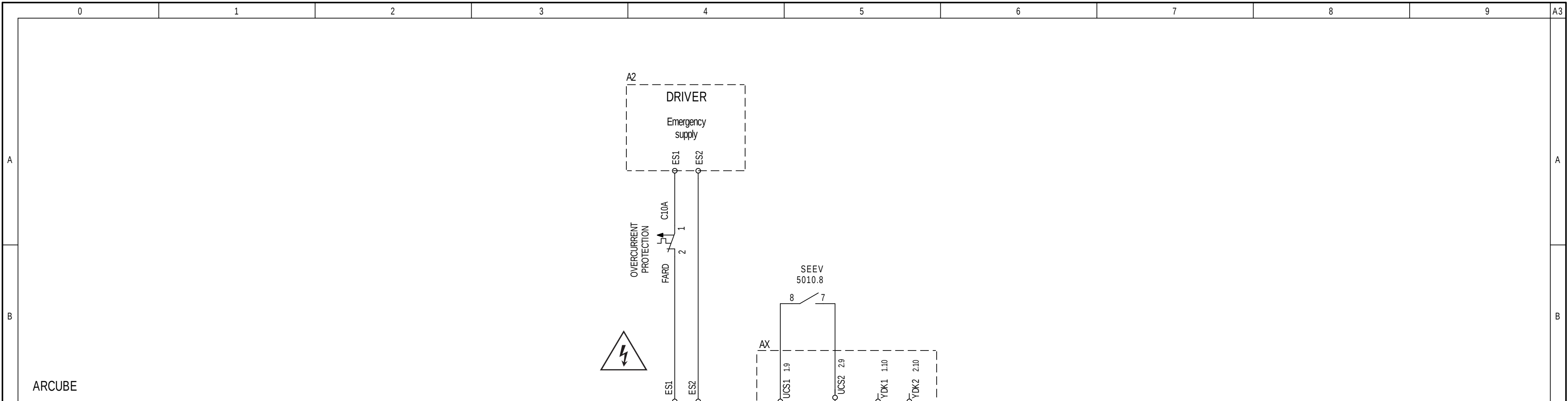


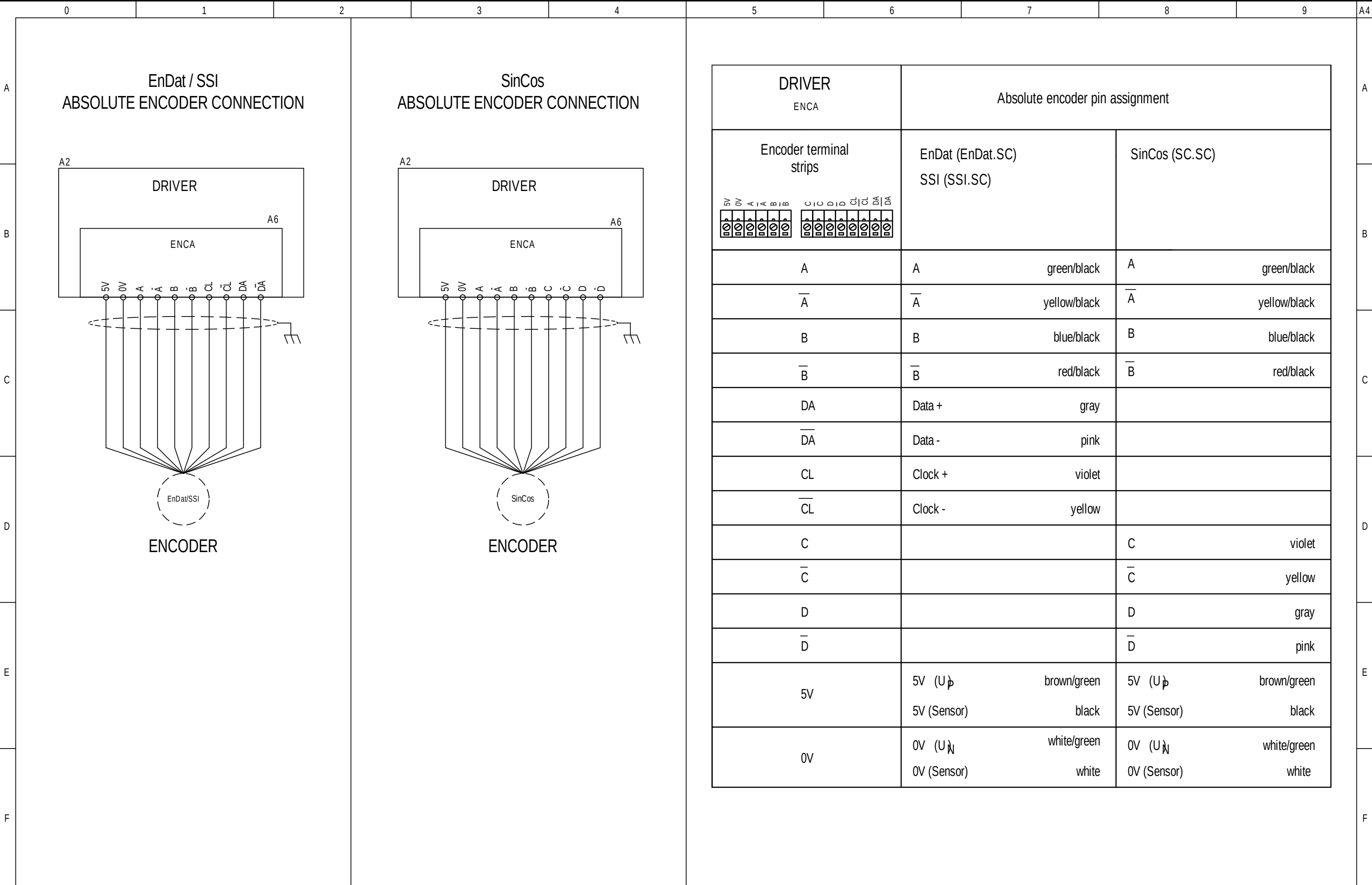


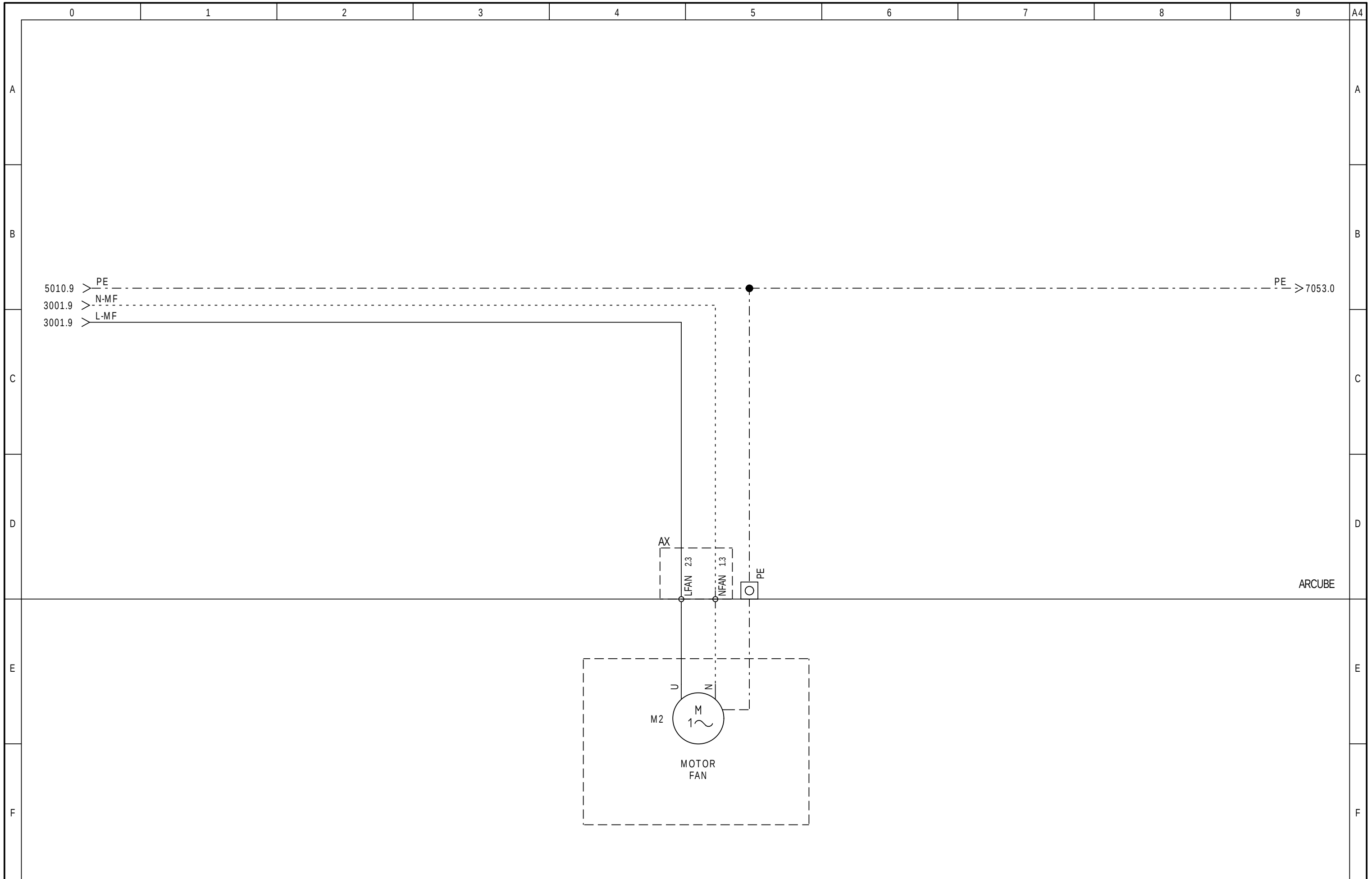


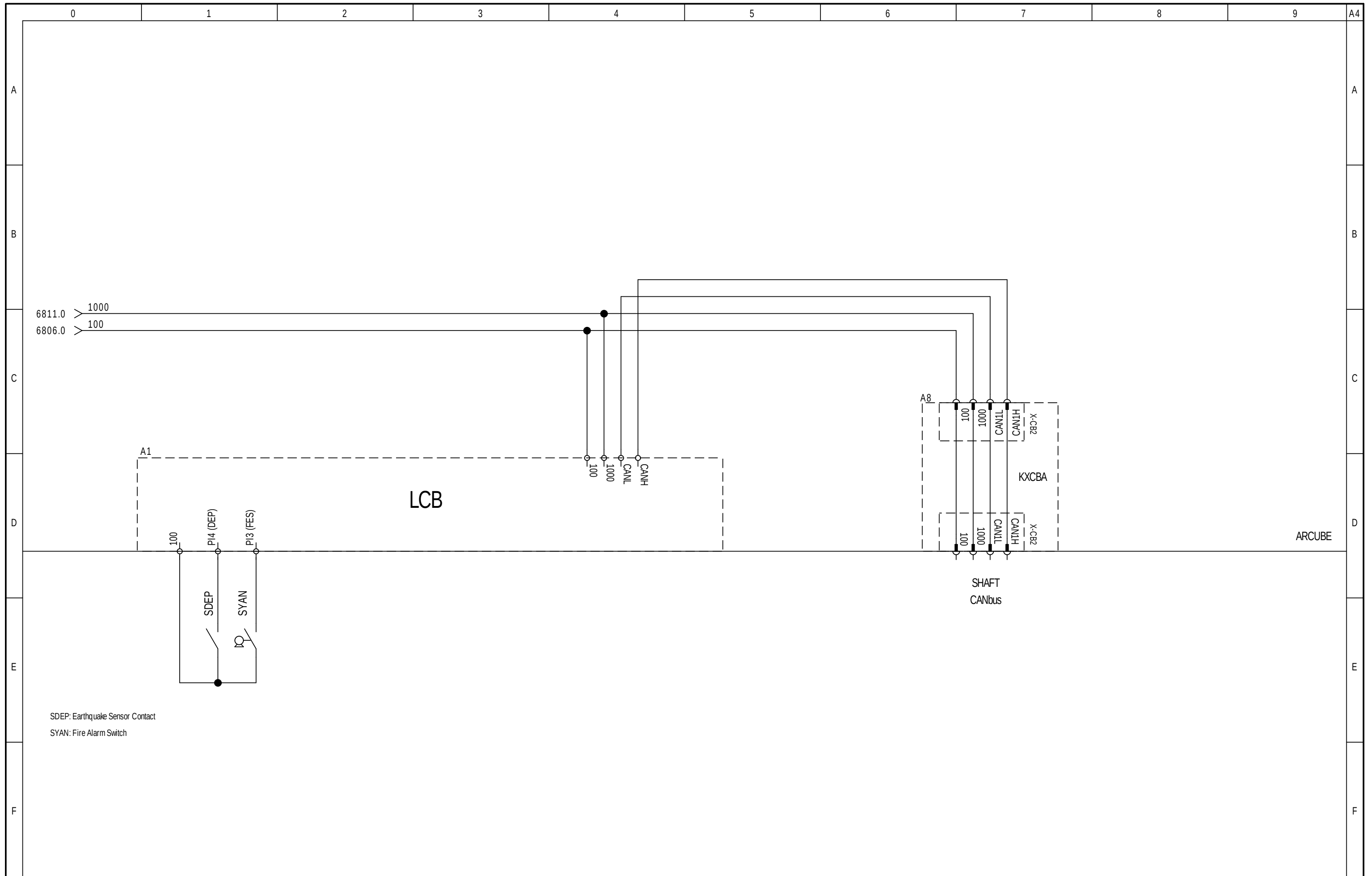


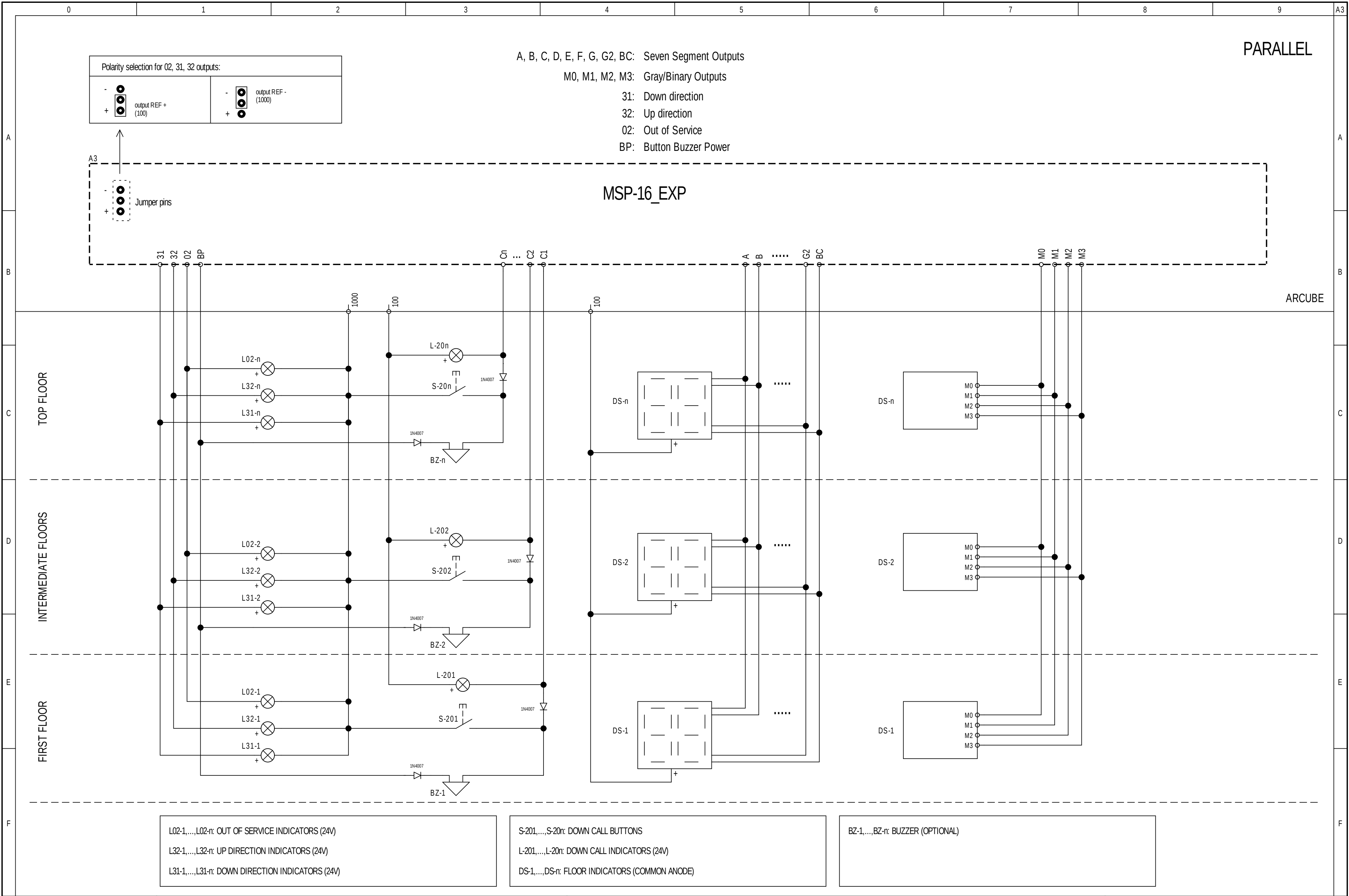


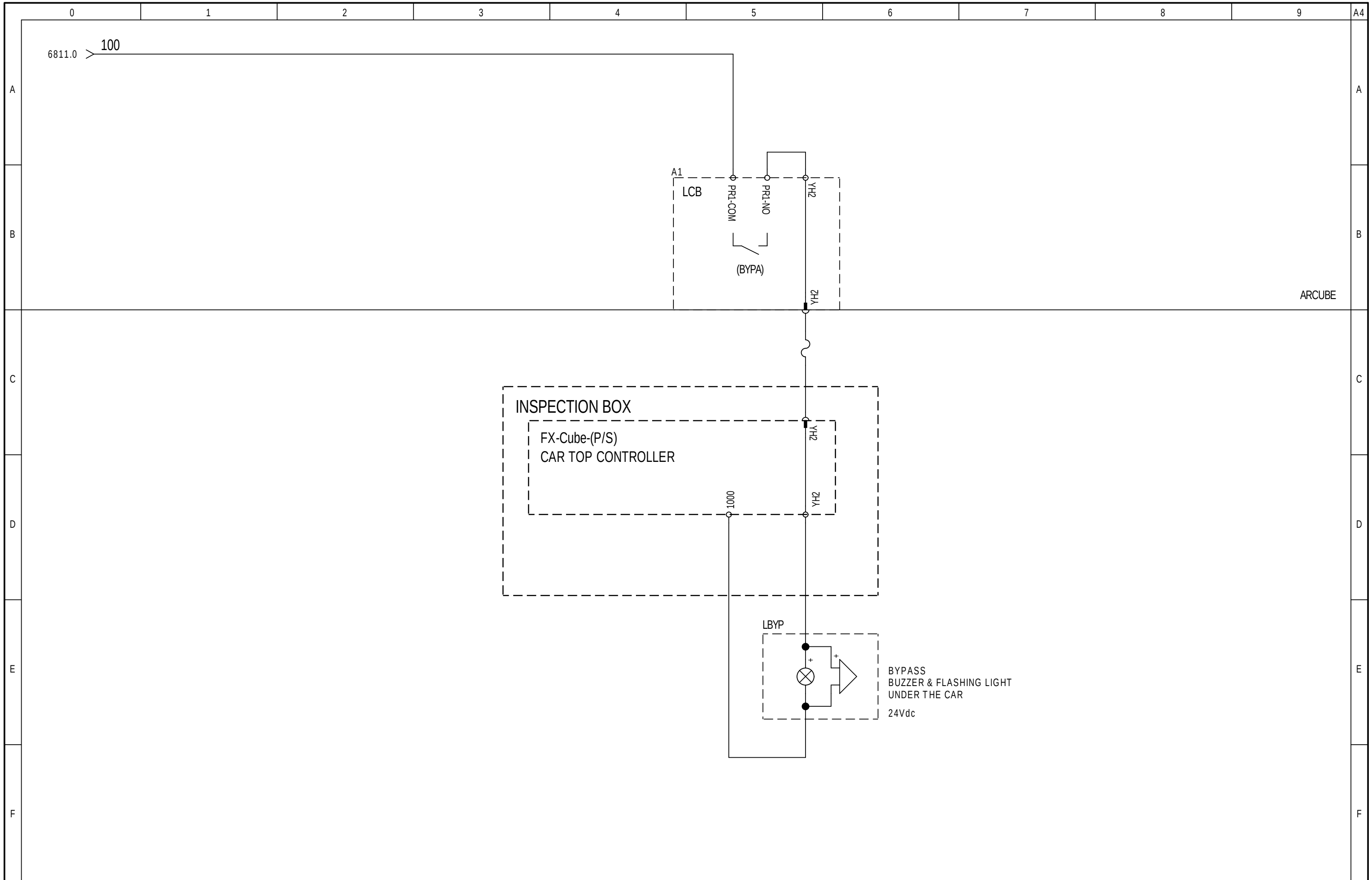


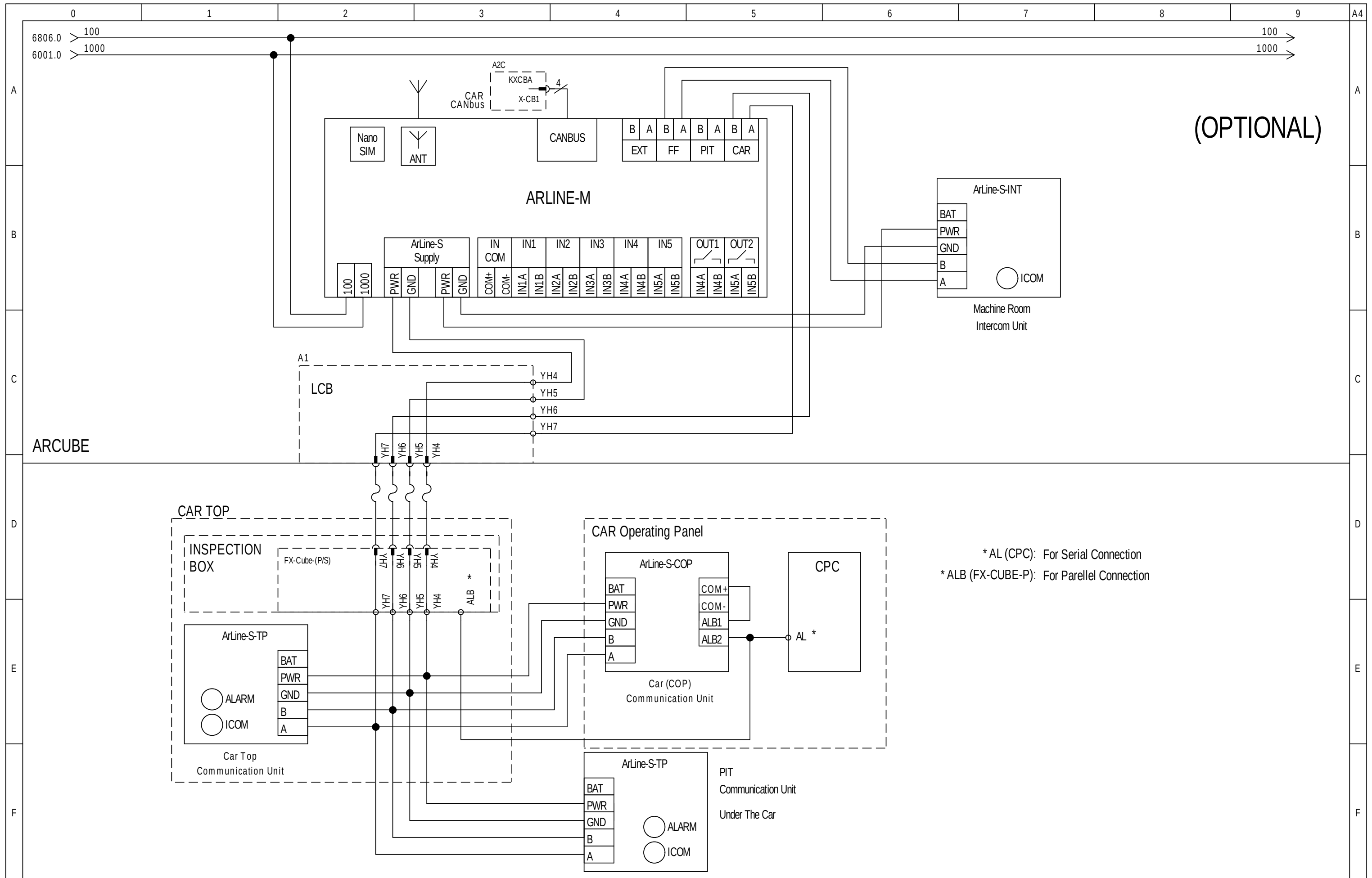








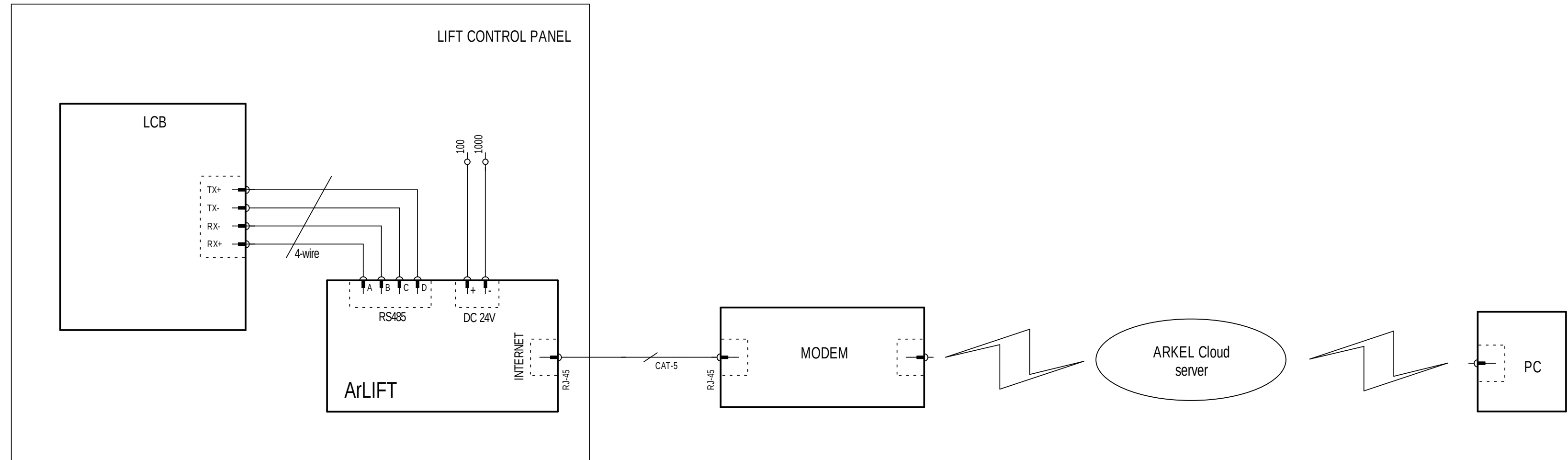


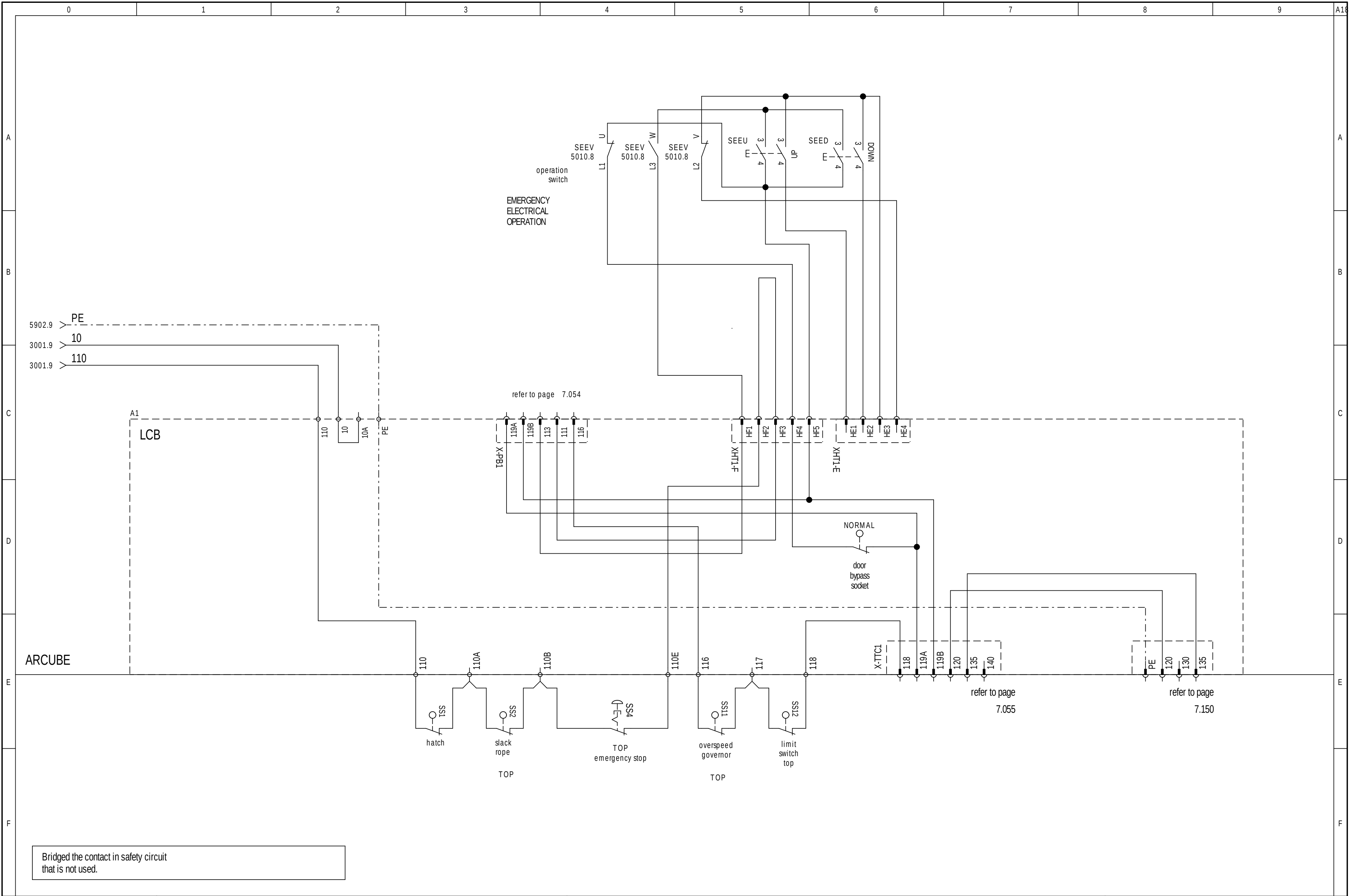


PLEASE READ THE ARLIFT MANUAL BEFORE THE INSTALLATION!

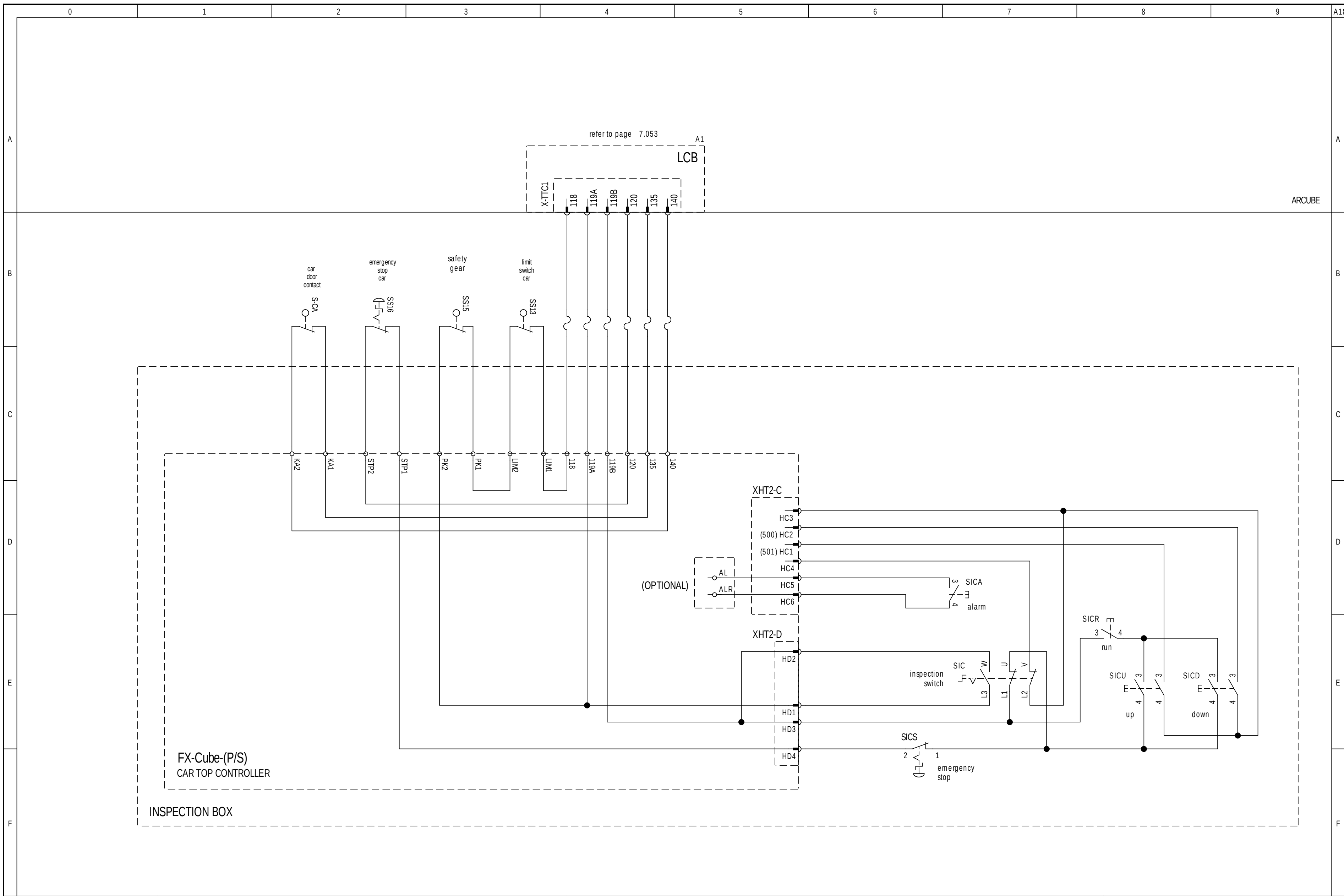
INTERNET CONNECTION

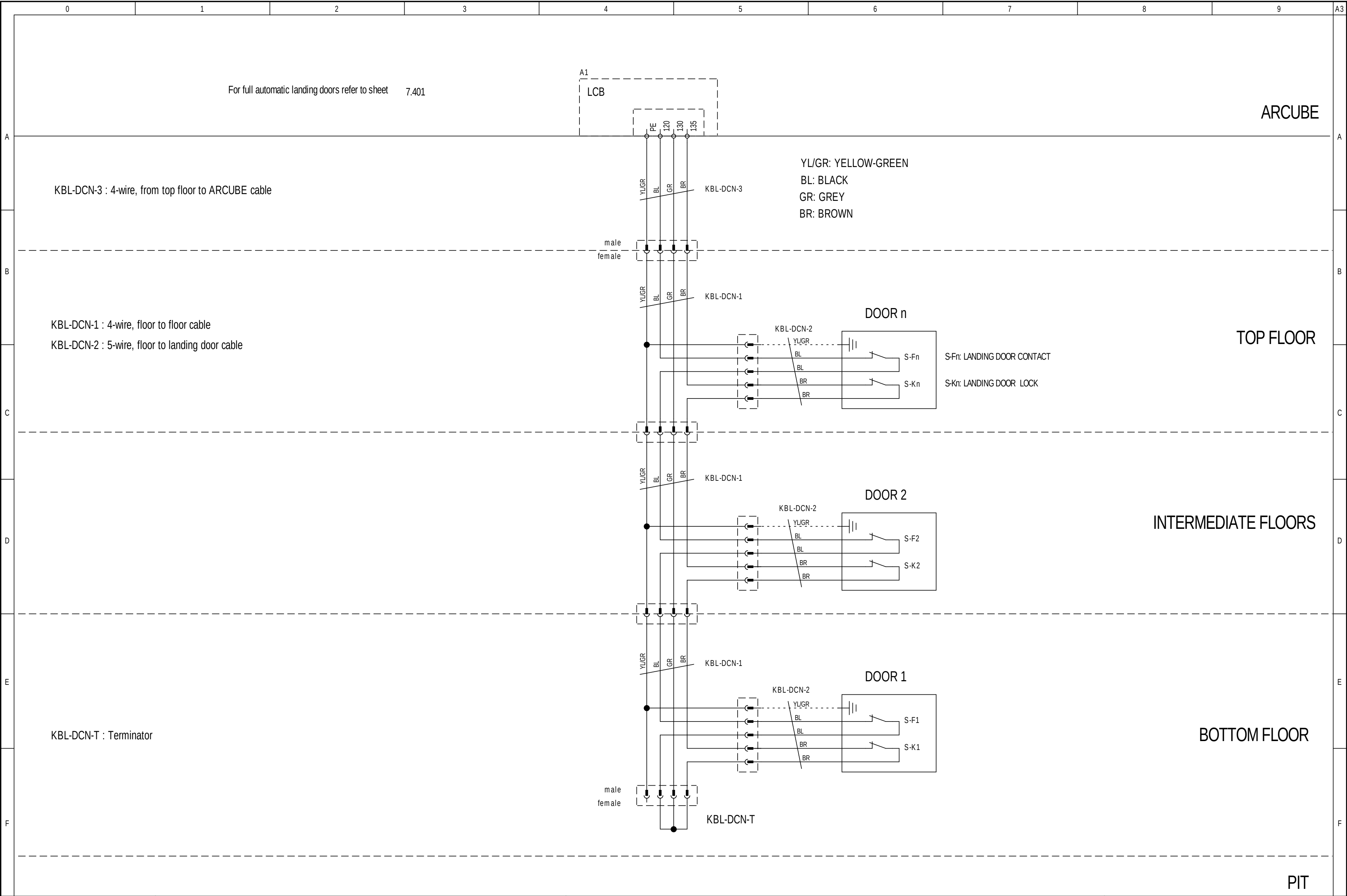
(OPTIONAL)

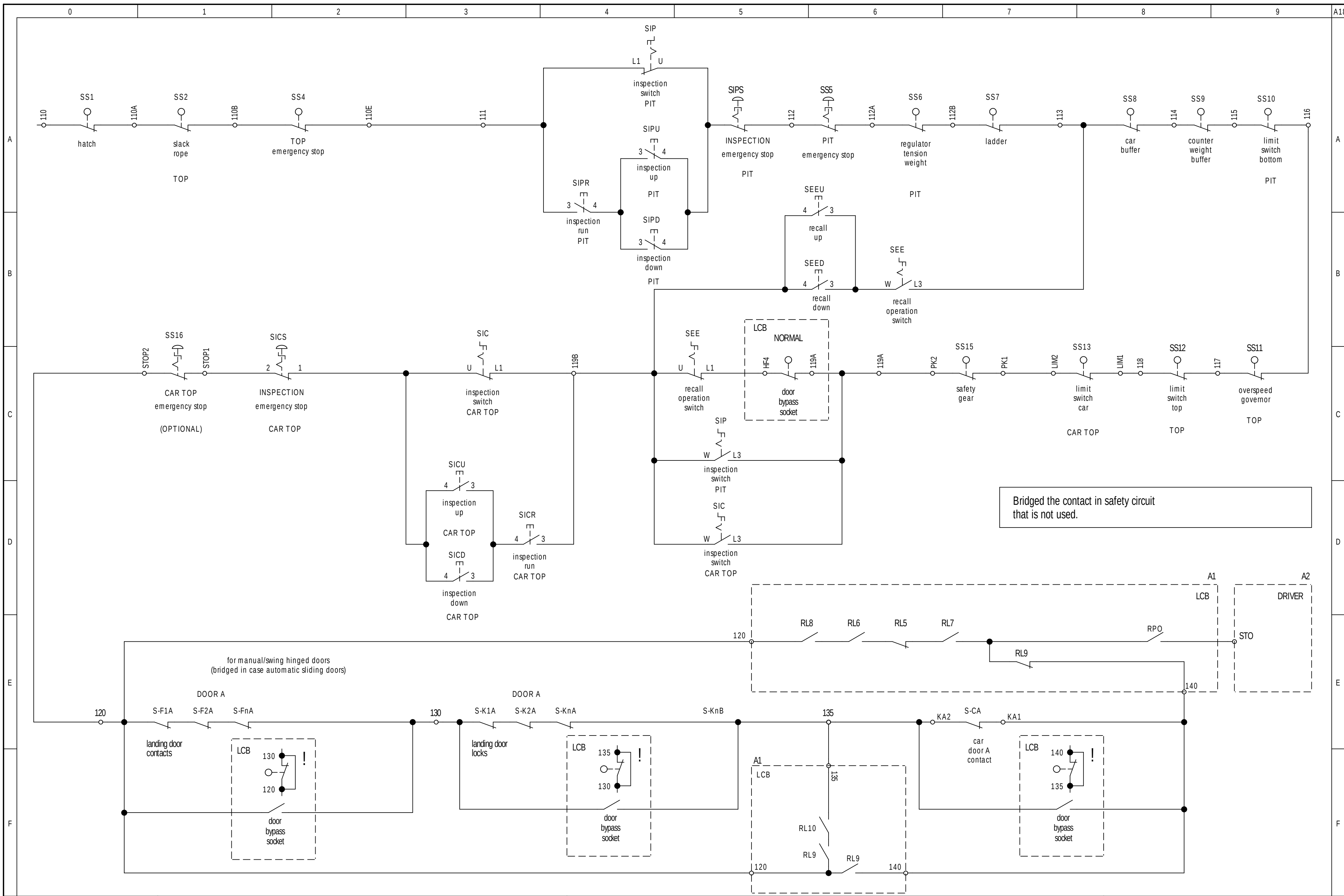


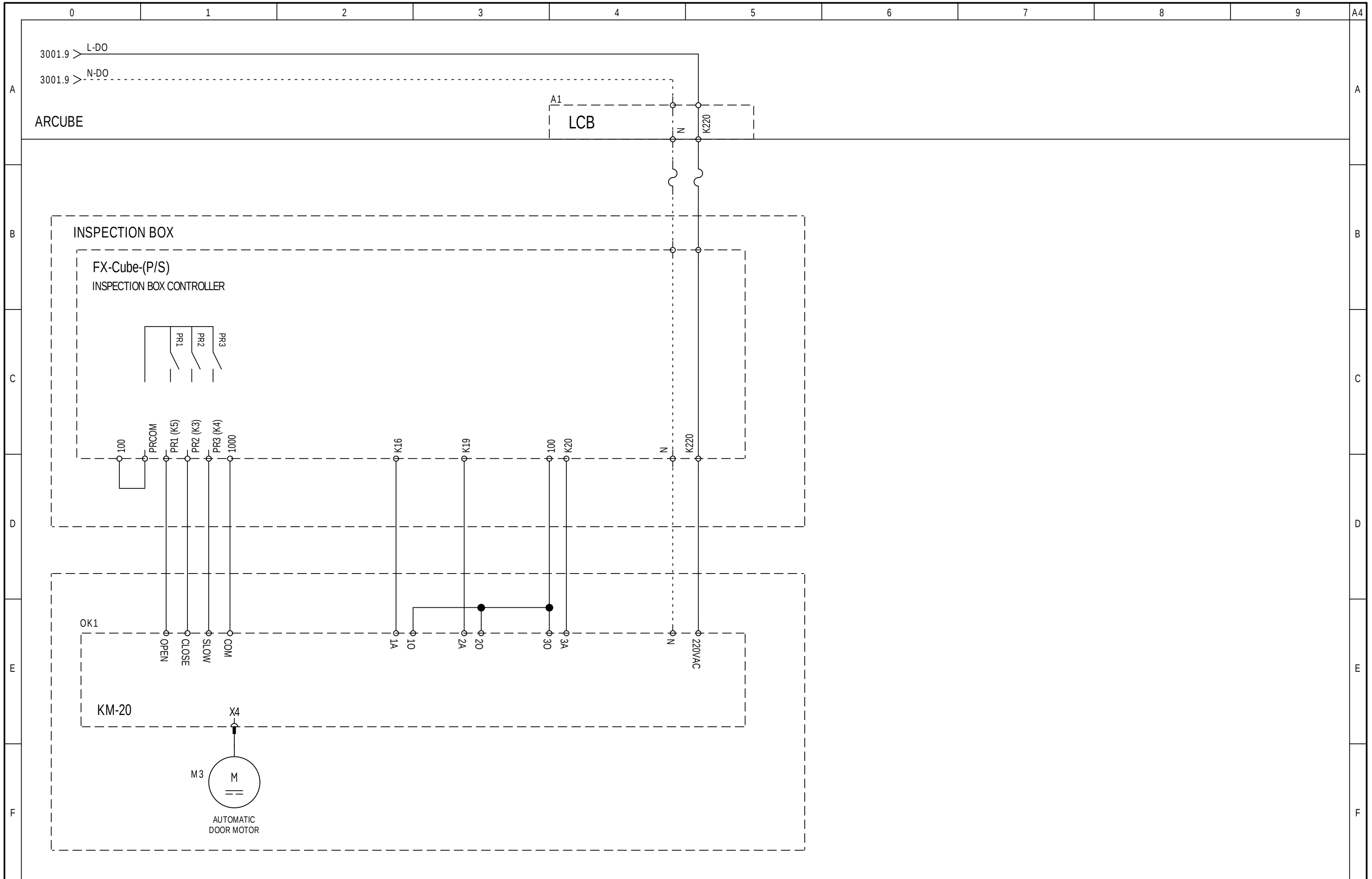


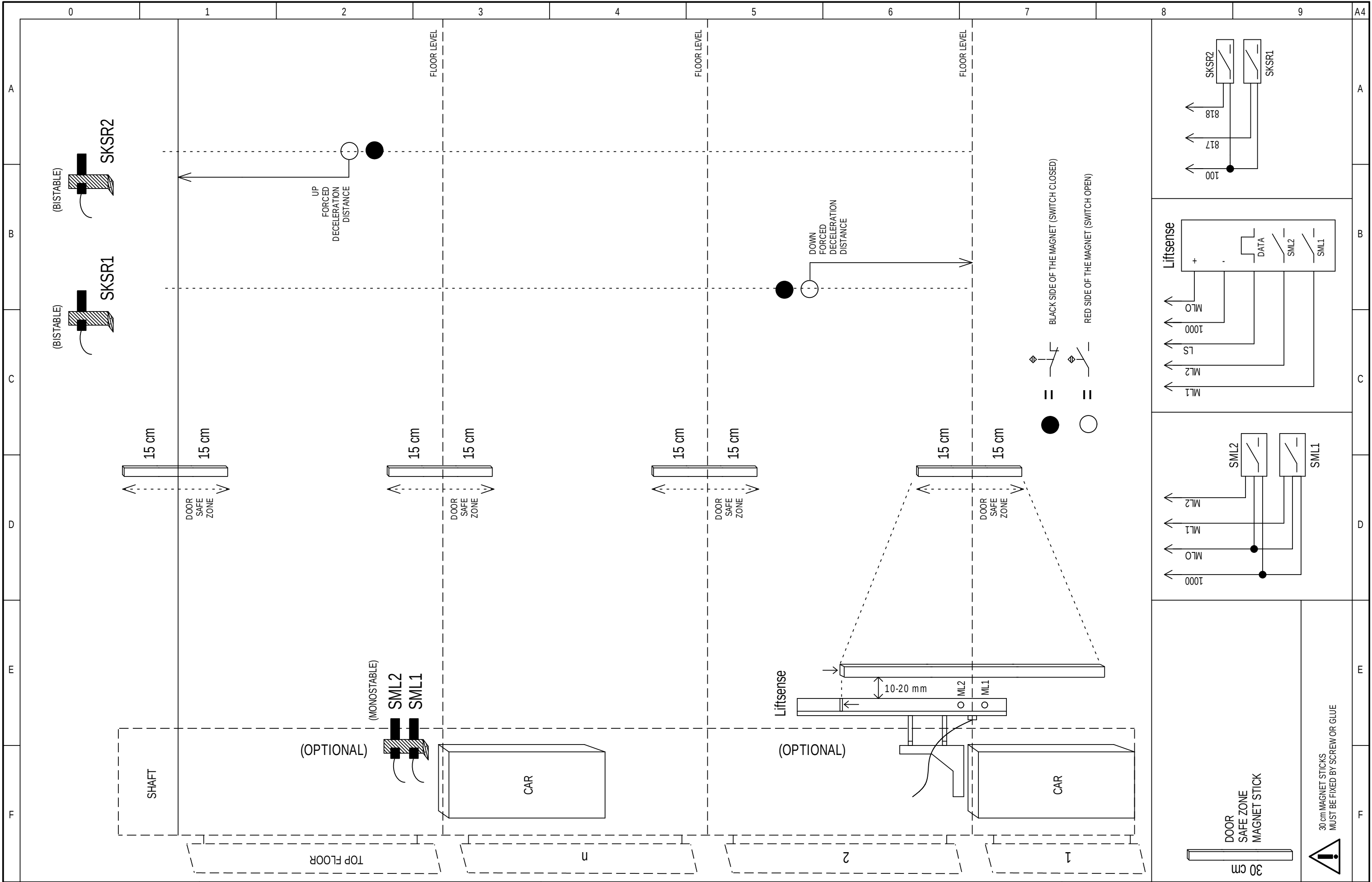
Bridged the contact in safety circuit
that is not used.

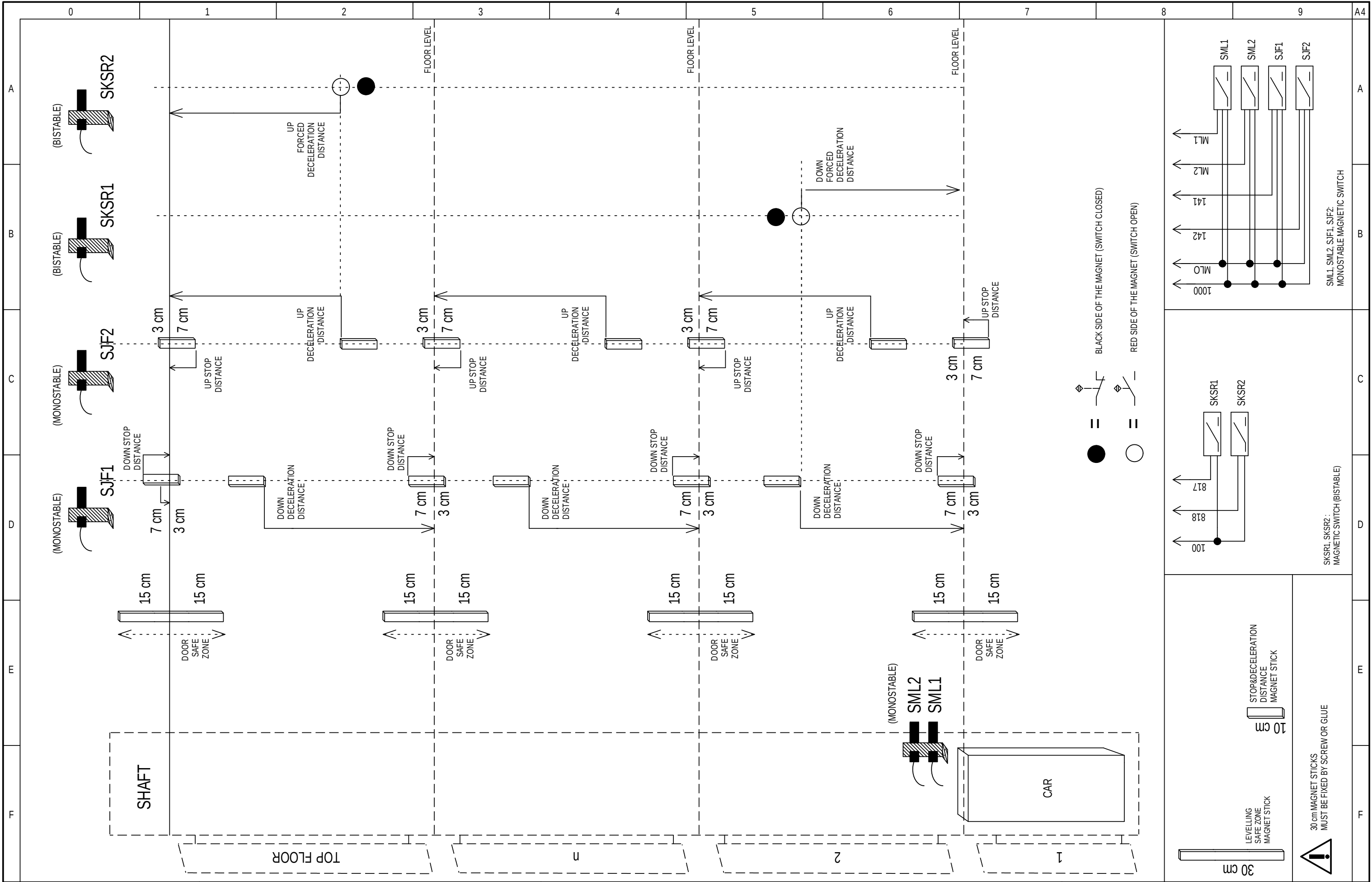


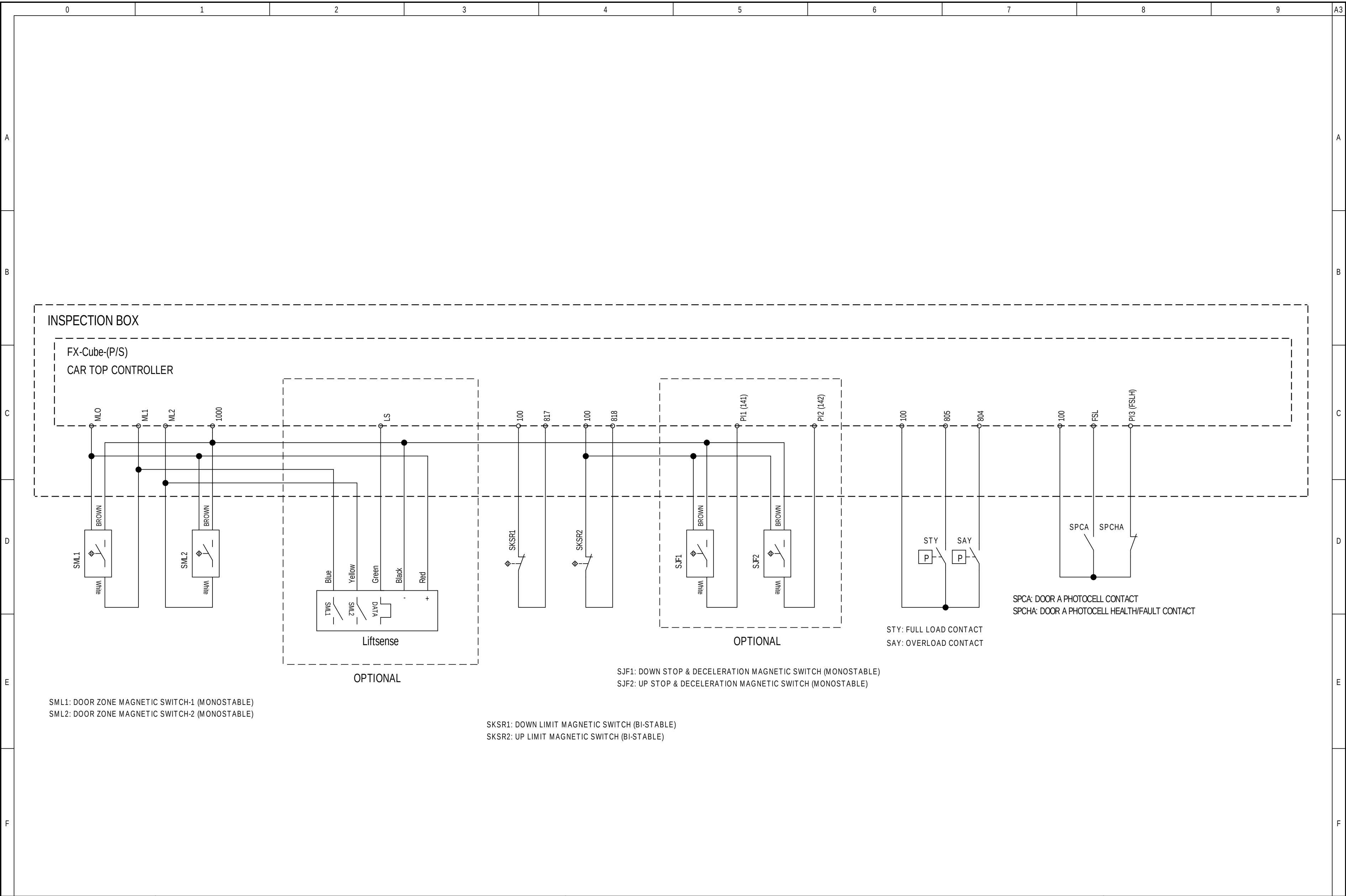


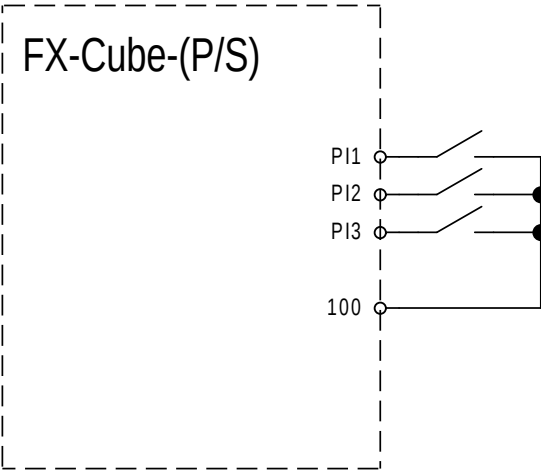
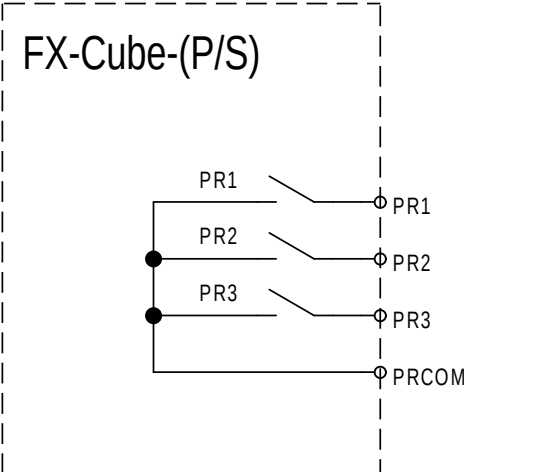


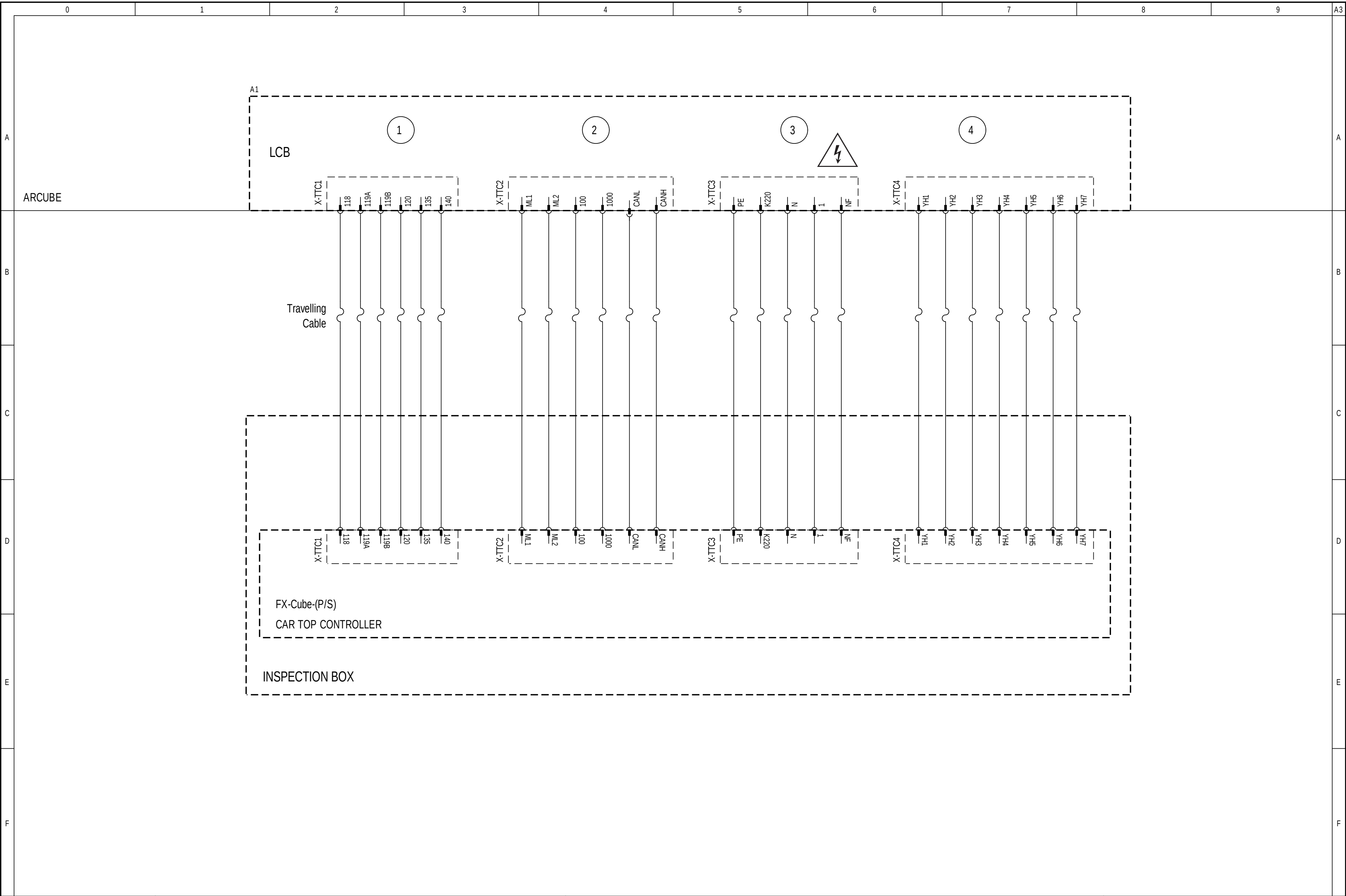








	0	1	2	3	4	5	6	7	8	9	A4
A	Connection of programmable inputs 										A
B											B
C											C
D	Connection of programmable relay outputs 										D
E											E
F											F



PARALLEL

CAR PANEL INDICATOR

A, B, C, D, E, F, G, G2, BC: Seven Segment Outputs

M0, M1, M2, M3: Gray/Binary Outputs

31: Down travel signal

32: Up travel signal

02: Out of Service

ANNOUNCEMENT
CAR OPERATING PANEL

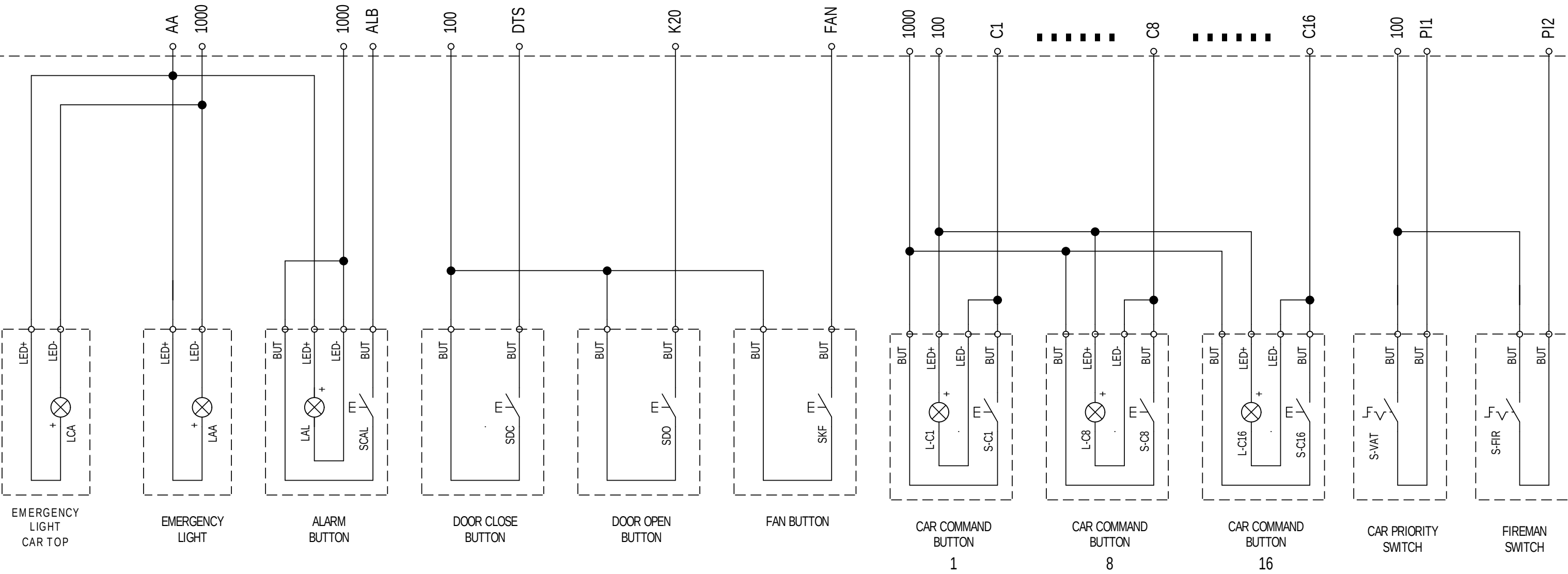
ALARM
HORN
PAH

CANbus
connection

X-CB1
X-CB2

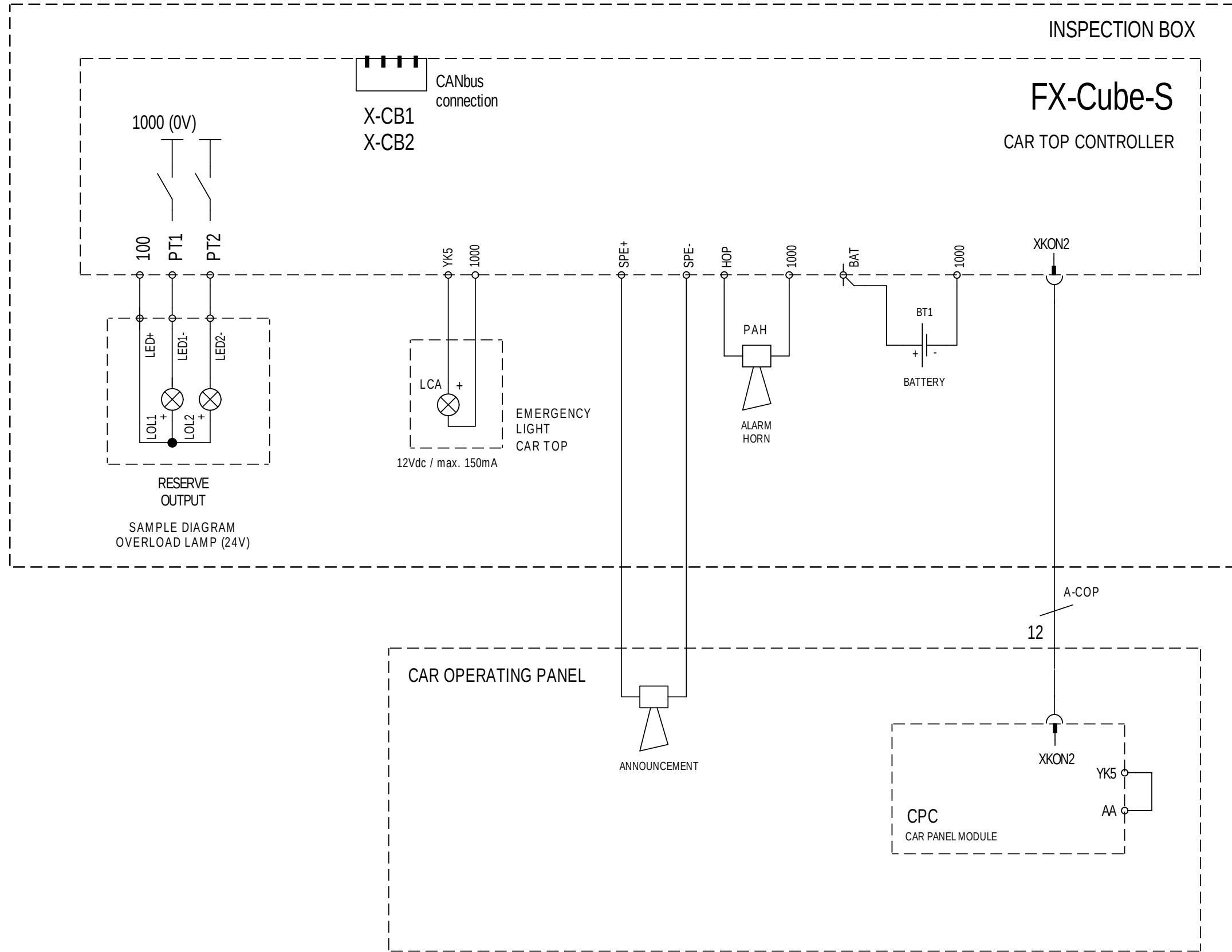
FX-Cube-P

BAT
BT1
BATTERY



12Vdc / max. 150mA

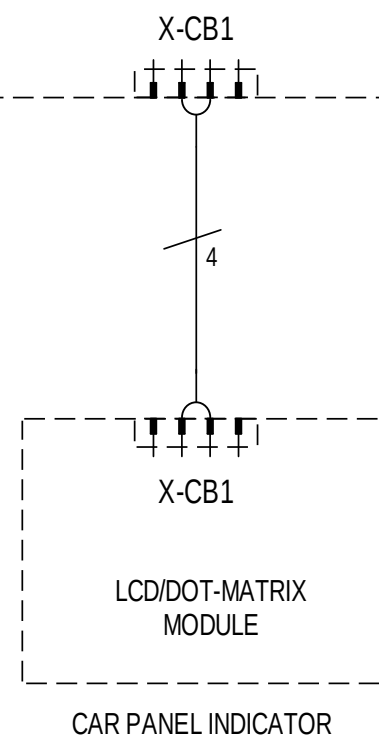
SERIAL



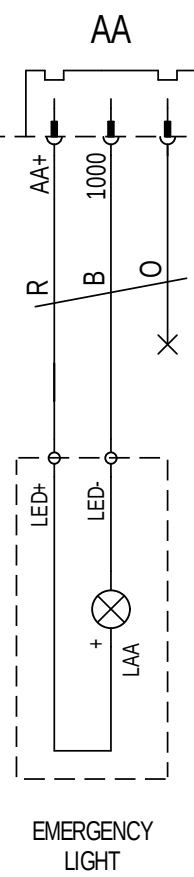
SERIAL

CAR OPERATING PANEL

CPC
CAR PANEL MODULE

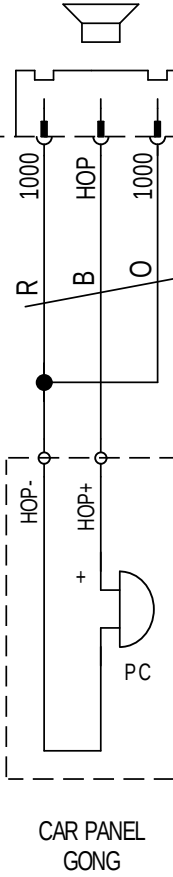


CAR PANEL INDICATOR



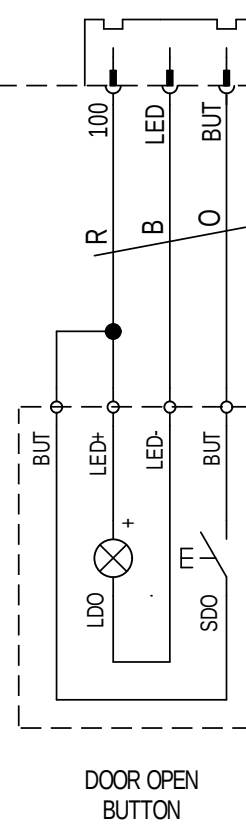
EMERGENCY
LIGHT

SPEAKER



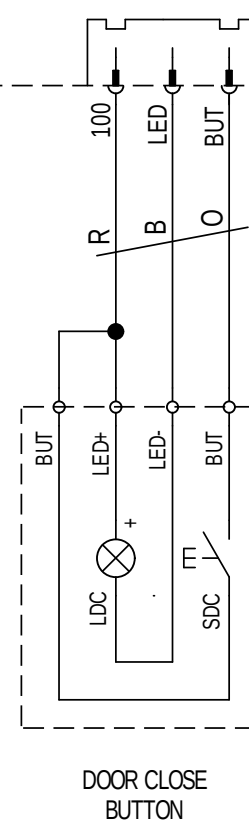
CAR PANEL
GONG

AC



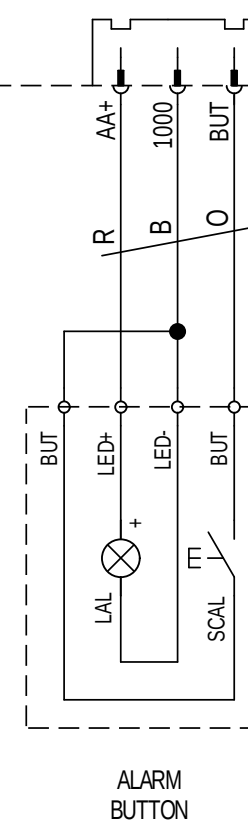
DOOR OPEN
BUTTON

KAPA



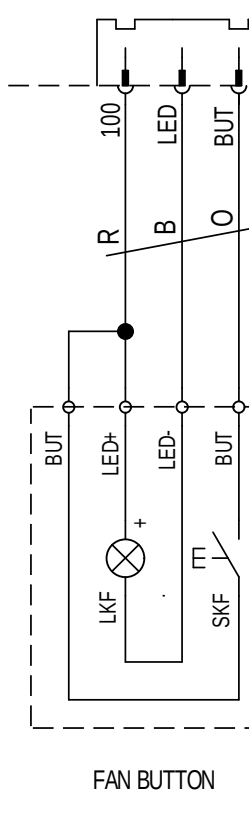
DOOR CLOSE
BUTTON

AL



ALARM
BUTTON

FAN



FAN BUTTON

SD0: DOOR OPEN BUTTON
LD0: DOOR OPEN INDICATOR (24V)
SDC: DOOR CLOSE BUTTON
LDC: DOOR CLOSE INDICATOR (24V)

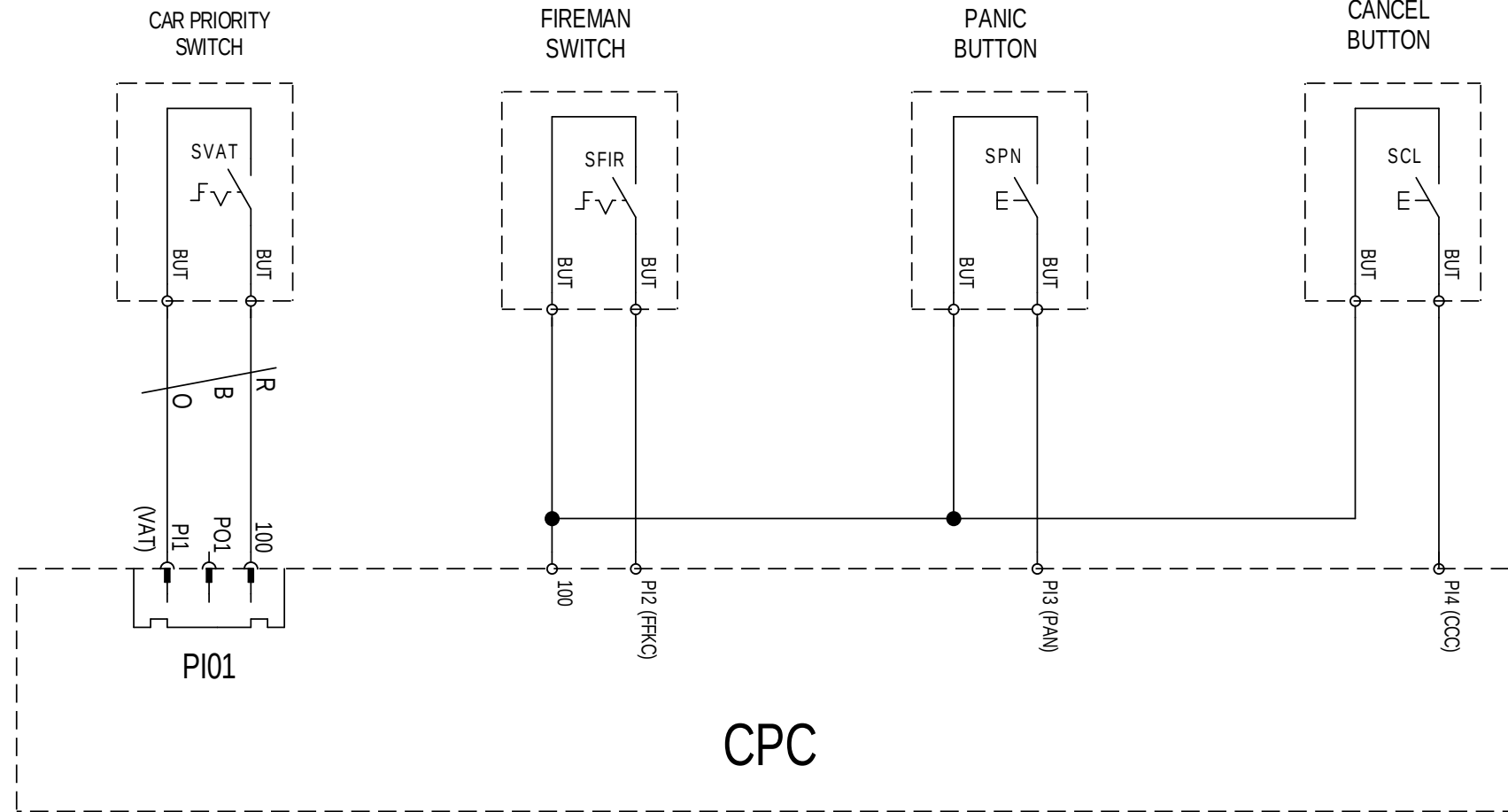
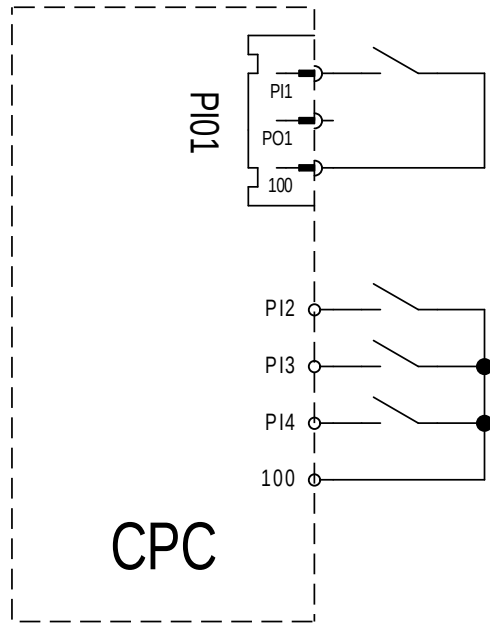
SCAL: ALARM BUTTON
LAL: ALARM INDICATOR (12V/24V)
SKF: FAN BUTTON
LKF: FAN INDICATOR (24V)

LAA: EMERGENCY LIGHT (12V/24V)
PC: CAR PANEL GONG
SVAT: CAR PRIORITY SWITCH
SFIR: FIREMAN SWITCH

R : RED
B : BROWN
O : ORANGE

SERIAL

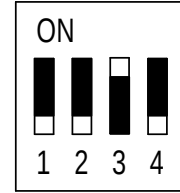
Connection of programmable inputs



R : RED
B : BROWN
O : ORANGE

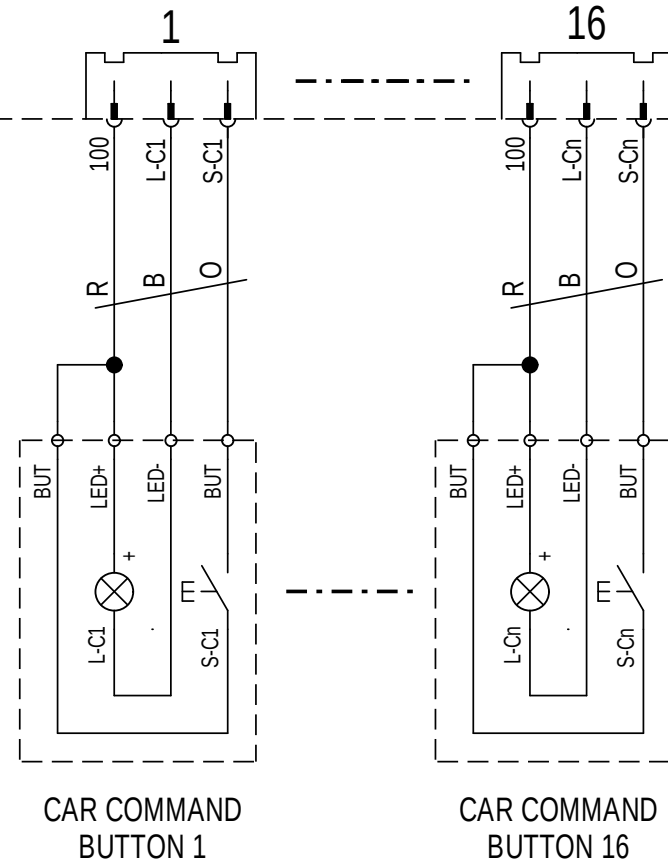
SERIAL

A-CB1



CAR PANEL SETTING WITH DIPSWITCHES ON CPC MODULE

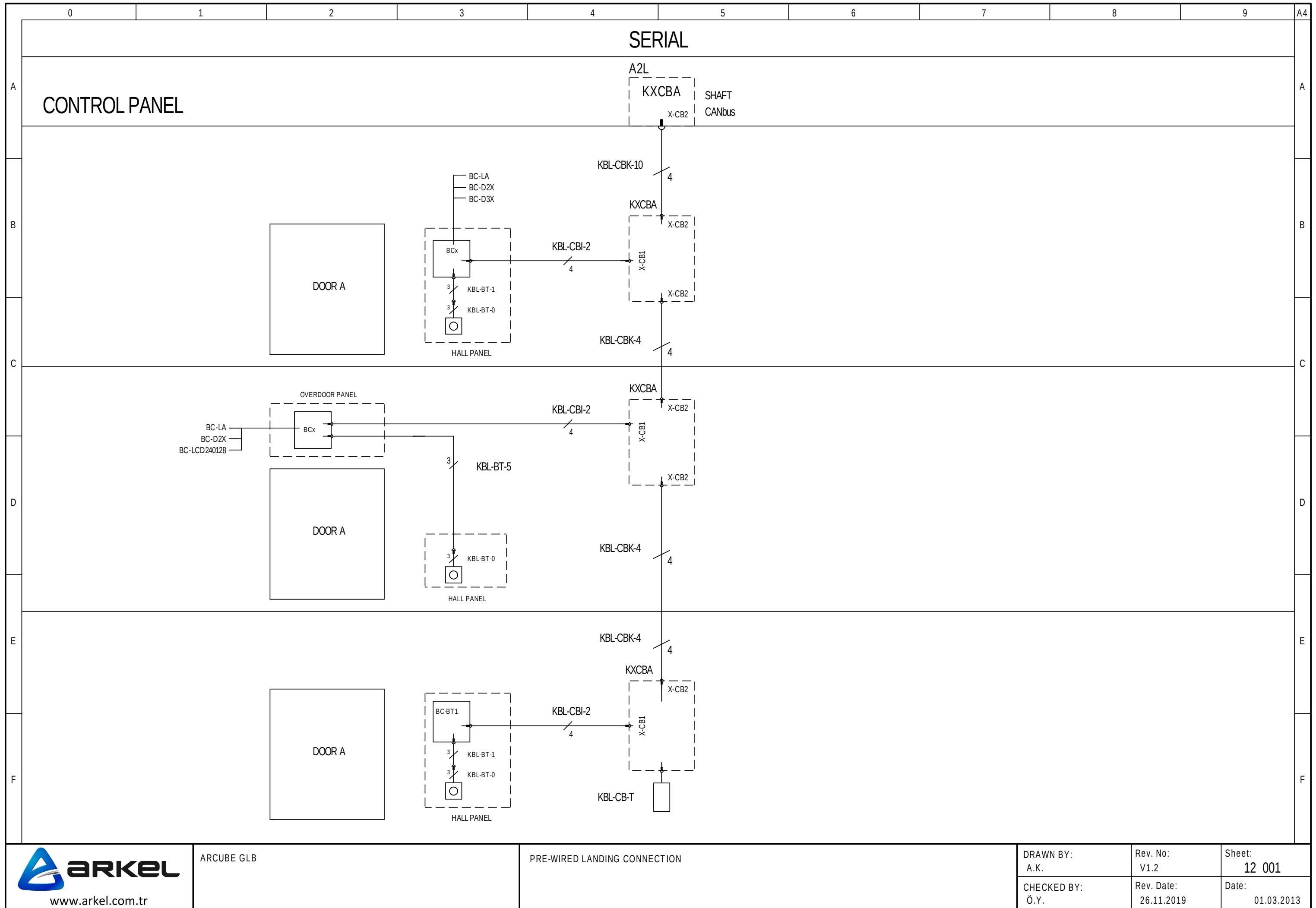
CPC

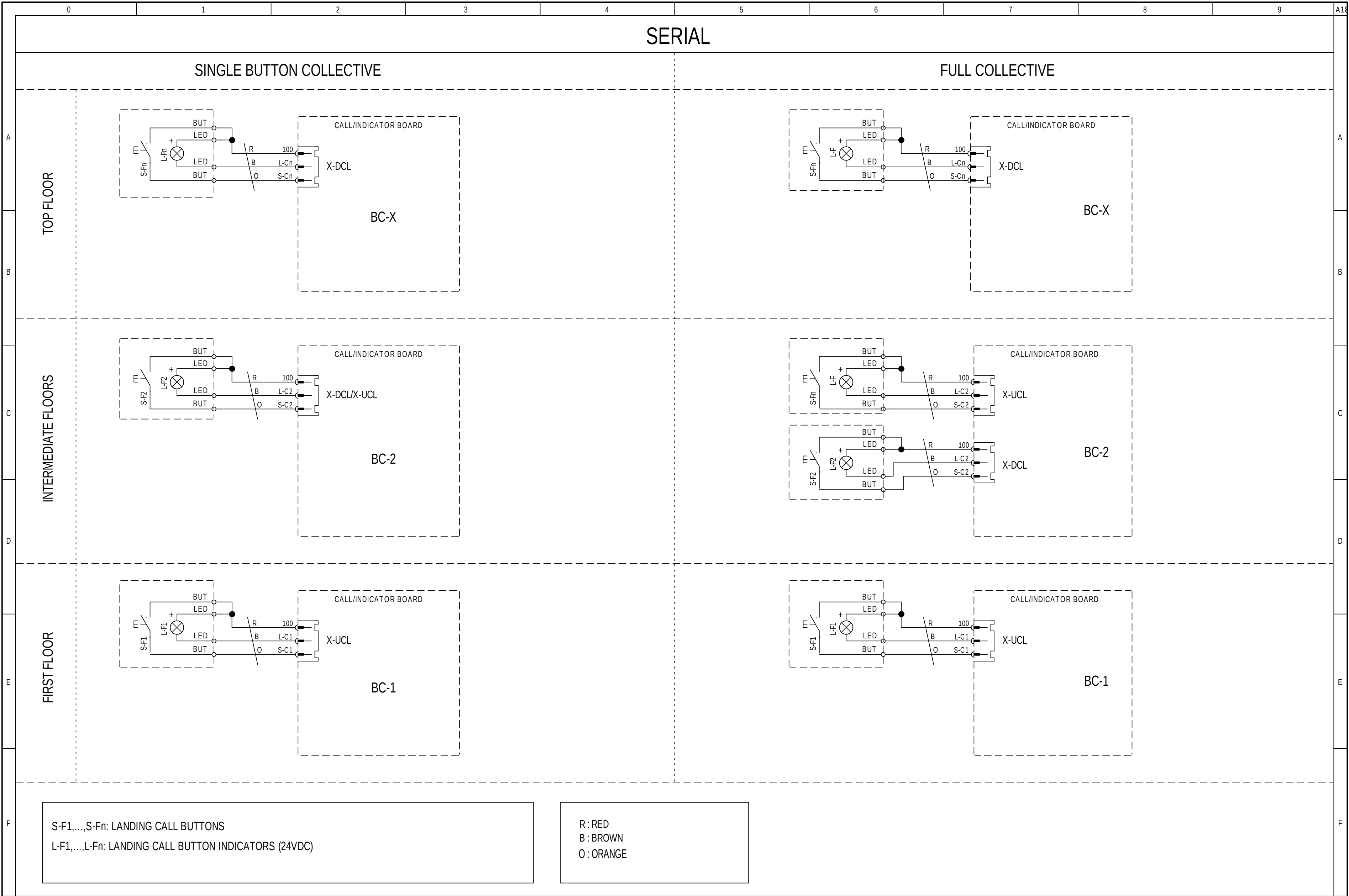


CAR OPERATING
PANEL

S-C1,...,S-Cn : CAR COMMAND BUTTONS
L-C1,...,L-Cn : CAR COMMAND INDICATORS (24V)

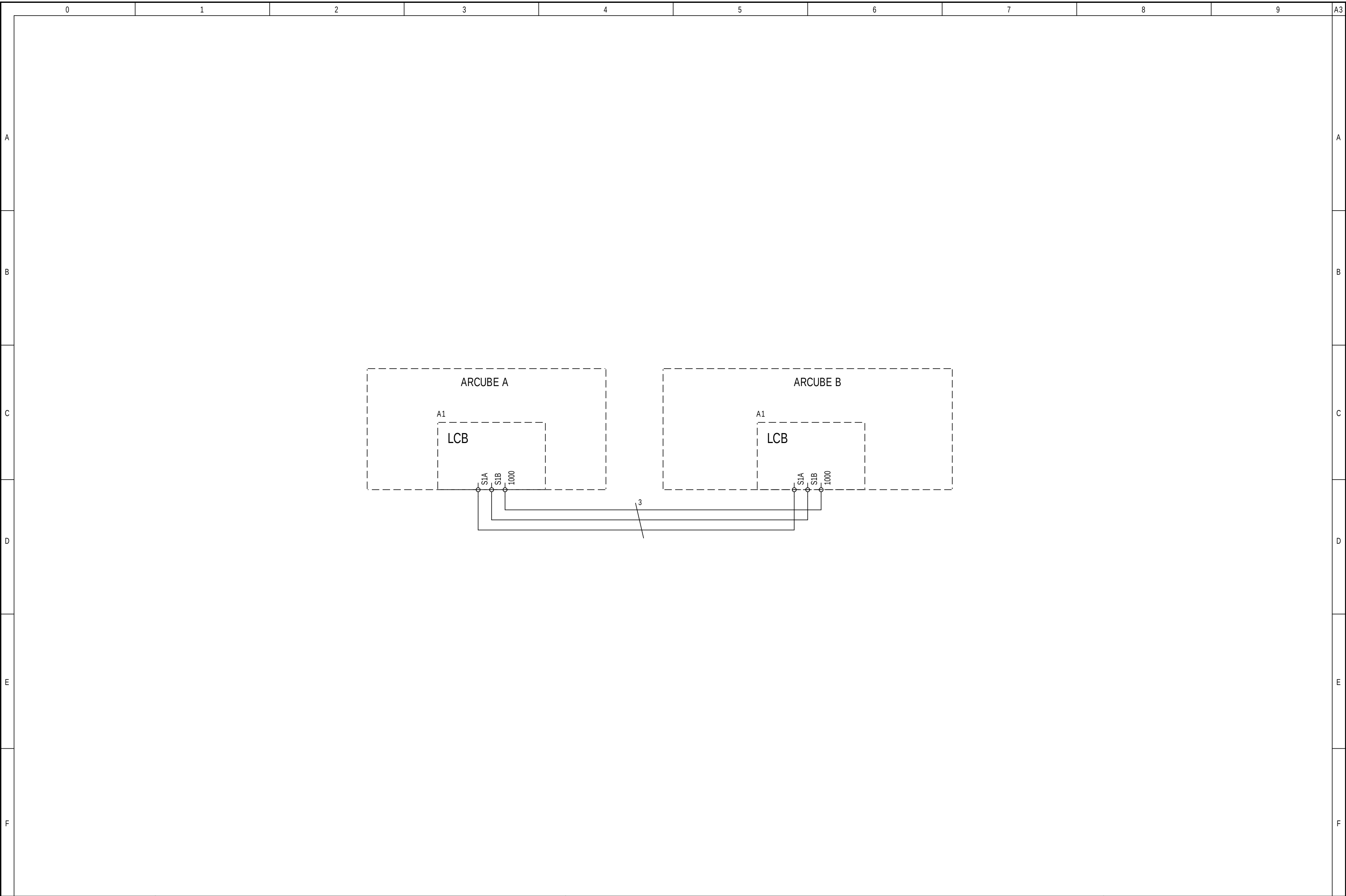
R : RED
B : BROWN
O : ORANGE





S-F1,...,S-Fn: LANDING CALL BUTTONS
L-F1,...,L-Fn: LANDING CALL BUTTON INDICATORS (24VDC)

R : RED
B : BROWN
O : ORANGE



List of Products

Product (-)	Sheet	Path	Description	Manufacturer	Arkel Order no
SMP	2 030	3	MAIN SWITCH (25A) 5NO ON/OFF SQ0250G04DL1R-Y	GIOVENZANA	1005240
FTKU	2 030	3	RESIDUAL CURRENT DEVICE 2P 25A 30mA A-SI	SIEMENS	1004695
FKA	2 030	4	CIRCUIT-BREAKER 2P 6A C 6KA 400V	SIEMENS	1004726
FKU	2 030	4	CIRCUIT-BREAKER 2P 6A C 6KA 400V	SIEMENS	1004726
KKU	2 030	4	RELAY CURRENT IMPULSE 230VAC 16A NO	SIEMENS	1004692
SM	2 030	4	CIRCUIT-BREAKER 3P 25A C 6KA 400V	SIEMENS	1004729
PL1	2 200	7	CABINET LIGHT 220VAC	N/A	1002626
JM1	2 200	8	SOCKET OUTLET STANDARD 250V 16A	N/A	1001136
FR	3 001	3	CIRCUIT-BREAKER 1P 6A C 6KA 400V	SIEMENS	1004718
FCU	3 001	3	RESIDUAL CURRENT DEVICE 2P 25A 30mA A-SI	SIEMENS	1004695
TR1	3 001	4	TR P-N 170VA 0-220-240/0-19V-0-42V	OKA	1004914
F110	3 001	5	CIRCUIT-BREAKER 1P 1A B 6KA 400V	SIEMENS	1004719
F18	3 001	5	CIRCUIT-BREAKER 1P 6A C 6KA 400V	SIEMENS	1004718
G24	3 001	6	BRIDGE RECTIFIER MODULE 1 PHASE 5A 1000V KD24	ARKEL	1001817
A1	4 001	2	ARCUBE LCB	ARKEL	1004653
KFR1	4 001	5	CONTACTOR AUXILIARY 42V AC	SIEMENS	1004816
A2	4 001	5	ARCUBE DRIVER 17A 400V	ARKEL	1004641
KFR2	4 001	6	CONTACTOR 2NO 2NC 42VAC 9A	SIEMENS	1004911
A3	4 150	2	ARCUBE EMC	ARKEL	1004918
SOSG	4 304	4	1-0-2 KEY SWITCH	MOELLER	1002512
FARD	4 500	4	CIRCUIT-BREAKER 1P 10A C 6KA 230/400V	SIEMENS	1004713
GFR1	5 010	2	BRIDGE RECTIFIER MODULE 1 PHASE 8A 1000V MKD	ARKEL	1001817
GFR2	5 010	6	BRIDGE RECTIFIER MODULE 1 PHASE 8A 1000V MKD	ARKEL	1001817
SB1	5 010	8	START BUTTON MAIN	WEILLER	1000268
SB2	5 010	8	START BUTTON MAIN	WEILLER	1000268
SEEV	5 010	8	SWITCH (10A) 5NO 2NC ON OFF	OPAS	1005146
A6	5 900	2	ENCODER MODULE ABSOLUTE	ARKEL	1002919
A8	6 001	6	BOARD KXCBA CANBUS	ARKEL	1001398
SEEU	7 053	5	START BUTTON MAIN LAY5 AA3341	WEILLER	1002732
SEED	7 053	6	START BUTTON MAIN LAY5 AA3341	WEILLER	1002732
 www.arkel.com.tr		ARCUBE GLB		Project: Arcube_17A_MRL1_GLB_v105 (1005251)	Sheet: 1
				Note:	Date: 5.08.2020