

	1	2	3	4	5	6	7	8
A								
B								
C	NAME: Elevator integrated control cabinet NICE3000-B-B4-type interface board (including car without door integration) Schematic							
D	TYPE: <u>20210425</u>							
E	NO: _____							
F	VERSION: <u>A</u>							
	PAGES: <u>A total of 33</u>							
	1	2	3	4	5	6	7	8
version:	A	design:	standardization:	Audit:	Approved:	no:	Drawing name:	page:
date:	2017.8.1					MG11001AB	Schematic cover	A

## Schematic diagram

No	Figure number	page	Drawing name	version
1	MG11001AB	P01	list	0
2	MG11001AB	P02	Standard parameter list	0
3	MG11001AB	P03	Device code table	0
4	MG11001AB	P04	Process standard	0
5	MG11001AB	P05	KCB-B4 interface board layout	0
6	MG11001AB	P06	Interface board to the internal wiring diagram	0
7	MG11001AB	P07	Interface board external wiring diagram	0
8	MG11001AB	P08	Synchronous machine single-door safety circuit diagram	0
9	MG11001AB	P09	Synchronous single-door UOMP schematic diagram	0
10	MG11001AB	P10	Synchronous machine double door safety circuit diagram	0
11	MG11001AB	P11	Synchronous dual-door UOMP schematic diagram	0
12	MG11001AB	P12	Main circuit diagram	0
13	MG11001AB	P13	Power supply circuit and brake circuit diagram	0
14	MG11001AB	P14	Overhaul circuit diagram	0
15	MG11001AB	P15	Car top control box control circuit	0
16	MG11001AB	P16	Car top lighting fan and safety circuit	0
17	MG11001AB	P17	Intercom, alarm, emergency light, lighting circuit	0
18	MG11001AB	P18	Control box control circuit diagram	0
19	MG11001AB	P19	Lighting circuit diagram	0
20	MG11001AB	P20	Cable wiring assembly diagram	0
21	MG11001AB	P21	Room wiring diagram	0
22	MG11001AB	P22	Hoistway wiring diagram	0
23	MG11001AB	P23	Car top wiring diagram	0
24	MG11001AB	P24	Pit layout	0
25	MG11001AB	P25	Car top integrated maintenance box layout	0
26	MG11001AB	P26	ARD emergency leveling device circuit diagram	0
27	MG11001AB	P27	Distribution room distribution box	0
28	MG11001AB	P28	Flat photoelectric and sensor wiring diagram	0
29	MG11001AB	P29	Overload switch installation wiring diagram	0
30	MG11001AB	P30	IC card device wiring diagram	0
31	MG11001AB	P31	No room electric brake schematic	0
32	MG11001AB	P32	No room limiter remote action reset schematic	0
33	MG11001AB	P33	Parallel communication wiring diagram	0
34				
35				

1	2	3	4	5	6	7	8	
MCC-3000ew main standard parameter list								
Function code	parameter name	Setting value	Function code	parameter name	Setting value	Function code	parameter name	Setting value
F0-00	control method	1	F5-11	X11 function selection	10 (overhaul maintenance downlink)	F6-40	Program control selection 1	Bit1 set to 1 (software limit function)
F0-01	Command source selection	1	F5-12	X12 function selection	46 (run overload normally closed, car overload set to 0)	F6-52	Special maintenance functions	Bit4 is set to 1 (overhaul protection), Bit6 is set to 1 (leveling signal to go communication)
F0-03	Running speed	According to the actual	F5-13	X13 function selection	15 (run full load normally open, car full load set to 0)	F8-01	Pre-torque selection	2 (synchronous machine), 0 (asynchronous machine)
F0-04	Rated speed	According to the actual	F5-14	X14 function selection	48 (upstream level to force normally closed)	F8-10	ARD selection	1 (UPS for power running)
F0-05	Rated load	According to the actual	F5-15	X15 function selection	49 (the next level to force normally closed)	F8-00	Door machine number	1 (single-door), 2 (through the door)
F1-00	Encoder type selection	Synchronous machine is 0, asynchronous machine is 2	F5-16	X16 function selection	50 (up two forced normally closed)	F8-02	Door machine 1 service layer 1	According to the actual setting (Binary setting) Bit0 = 1, bit1 = 2, bit2 = 4, bit3 = 8, bit4 = 16, bit5 = 32, bit6 = 64, bit7 = 128, bit8 = 256, bit9 = 512, bit10 = 1024, bit11 = 2048, bit12 = 4096, bit13 = 8192, bit14 = 16384, bit15 = 32768 F6-05 / F6-06 / F6-35 Service Layer 1, 2, 3 are set in the same way
F1-01	rated power	According to the actual	F5-17	X17 function selection	51 (downlink two forced normally closed)	F8-03	Door machine 1 service layer 2	
F1-02	Rated voltage	According to the actual	F5-18	X18 function selection	58 (Brake feedback 1 normally closed)	F8-18	Door machine 1 service layer 3	
F1-03	Rated current	According to the actual	F5-19	X19 function selection	22 (closed door feedback normally open)	F8-04	Door machine 2 service layer 1	
F1-04	Rated frequency	According to the actual	F5-20	X20 function selection	99 (traction machine thermal protection switch normally closed)	F8-05	Door machine 2 service layer 2	
F1-05	Rated speed	According to the actual	F5-21	X21 function selection	43 (room fire normally closed)	F8-19	Door machine 2 service layer 3	
F1-11	Tuning choice	1, with load tuning, 2, no-load tuning, 3, hoistway self-learning	F5-22	X22 function selection	110 (brake feedback 2 normally closed)	F8-04	Through the door choice	0: through the door at the same time control, 1: independent call, internal call the same, 2: independent call, internal call manual control, 3: inside and outside are controlled independently
F1-12	Encoder pulse number	Synchronous machine 2048, asynchronous machine 1024	F5-23	X23 function selection	27 (ARD normally open)			
F1-25	Motor type	0: Asynchronous motor, 1: Synchronous motor	F5-24	X24 function selection	0	F2-33	Detection of distance value size (1-150%)	60
F2-10	Elevator running direction	0: same direction, 1: reverse direction	F5-25	Car roof input selection	1856 (bit5, 8, 9, 10 set to 1)	F6-07	Group control quantity	According to the actual
F3-25	Emergency electric speed	0.3	F5-26	Y1 function selection	01 (operation contactor)	F6-08	Elevator number (group control according to the actual ladder number)	In parallel, the main ladder is 1, from the ladder to 2
F3-26	Hoistway self-learning speed	0.5	F5-27	Y2 function selection	02 (brake contactor)	F6-09	Program selection	BIT3 = 1 with CAN2 in parallel, group control
F5-01	X1 function selection	0	F5-28	Y3 function selection	12 (star contactor, asynchronous machine is set to 0)	F8-16	Through the door back door address base address	20 (back door address code 20 + N)
F5-02	X2 function selection	3 (door area often open)	F5-29	Y4 function selection	04 (Fire Fighting Feedback)			
F5-03	X3 function selection	0	F5-30	Y5 function selection	03 (closed door contactor)			
F5-04	X4 function selection	118 (door lock bypass normally closed)	F5-31	Y6 function selection	0			
F5-05	X5 function selection	0	F5-36	Weighing channels	0: Motherboard input, 1 car roof input			
F5-06	X6 function selection	38 (operation contactor detection normally closed)	F5-37	X25 function selection	04 (safety circuit signal)			
F5-07	X7 function selection	39 (brake contactor detection normally closed)	F5-38	X26 function selection	07 (door lock short)			
F5-08	X8 function selection	30 (star contactor detection normally open, asynchronous machine set to 0)	F5-39	X27 function selection	05 (door lock detection)			
F5-09	X9 function selection	116 (emergency electric normally closed)	F5-40	X28 function selection	08 (door lock short)			
F5-010	X10 function selection	09 (maintenance up normally open)	F6-00	Elevator the highest level	According to the scene			

Code	position	Meaning	Code	position	Meaning	Code	position	Meaning	Code	position	Meaning
1BFS	HTW	Buffer switch 1	ECB	CAR	Alarm bell	QF	CTR	air switch			
2BFS	HTW	Buffer switch 2	F	CAR	Car inside the fan	RCS	MR	Electric rope clamp switch			
ALB	CAR	Alarm bell button	FIRS2	CAR	Fireman switch (control box)	RRB	CTR	Speed limiter remote release button			
ATS	CAR	Driver / automatic transfer switch	FLSD	HTW	Lower limit switch	RDR	HTW	Speed limiter remote release coil			
BM	CTR	Brake coil	FLSU	HTW	On the limit switch	RS	CTR	Forced maintenance relay			
BY	CTR	Brake contactor	FS	CAR	Car fan switch	RTB	CTR	Speed limiter remote action button			
COB	CAR	Instruction distribution board	FU	CTR	Fuse	RTD	HTW	Speed limiter remote action coil			
CES	CAR	Car emergency switch	FX	CTR	Star contactors	S1	CTR	Bypass circuit terminal			
CHM	CAR	Voice announcer	GS	CAR	Car door lock switch	S2	CAR	Car top maintenance cabinet lighting switch inside			
CIS	CTR	Emergency power switch	GTS	HTW	Speed limiter tension wheel broken rope switch	S3	CAR	Car top lighting switch			
CLI	CAR	Car interior lighting	HCB	HTW	Floor dashboards	SUP	CAR	Safety circuit spare switch			
CLIS	CAR	Car interior lighting switch	ISS	CAR	Independent operation switch	SOS	CTR	Safety gear movement electrical switch			
CLT1	CAR	Door 1 closed in place	LIHS1	HTW	Engine room lighting switch	SW	CTR	Run the contactor			
CLT2	CAR	Door 2 closed in place	LIHS2	HTW	Pit shaft lighting switch	SWP	CTR	Switching power supply			
CTB	CAR	Car top control panel	LPT	CAR	Arrival clock	SGS	CAR	Jia Ding auxiliary door lock			
CIS	CTR	Emergency power switch	LWO	CAR	Overload switch	SWP	CTR	Switching power supply			
CIU	CTR	Emergency electric operation up button	LWX	CAR	Full load switch	FL1	CAR	Home zone switch			
CID	CTR	Emergency electric run down button	MCB	CTR	main control board	FL2	CAR	Next door switch			
DBR	CTR	Braking resistor	MES	CTR	Emergency stop button on the control panel	BZ	CAR	Sound and light alarm device			
DCB1	CAR	Door 1 close command	MES-1	MR	Emergency stop button	TCI	CAR	Car top maintenance knob			
DCB2	CAR	Door 2 close command	MES-2	MR	Pan wheel emergency stop button	TCIB	CAR	Car top maintenance public button			
DDB	CTR	Emergency electric run down button	MTS	MR	Protection when the motor overheats	TCID	CAR	Car top down button			
DDCB	CAR	Close delay button	NSB	CAR	Driver direct switch	TCTU	CAR	Car top maintenance up button			
DLS1	HTW	Forced to slow down the next level	OLT1	HTW	Door 1 open the door in place	TES	CAR	Car top emergency button			
DLS2	HTW	Under the second forced deceleration	OLT2	HTW	Door 2 open the door in place	TLS	CAR	Car top lighting switch			
DM	CAR	Door motor	OS	HTW	Speed limiter electrical switch	TECL	CAR	Car top maintenance lighting and emergency lighting alarm			
DOB1	CAR	Door 1 open the door command	PES1	HTW	Pit maintenance emergency stop button	TRF	CTR	Control the transformer			
DOB2	CAR	Door 2 open the door instructions	PES2	HTW	Pit switch box emergency stop button	TUR1	CAR	Car top socket AC220V			
DS	HTW	Floor locks electric linkage switch	PG	MR	Encoder (traction machine)	ULS1	HTW	Forced to slow down a level			
DZD	CAR	Lower leveling sensor	PLI	HTW	Pit lighting	ULS2	HTW	On the two forced deceleration			
DZU	CAR	Upper leveling sensor	PUR	HTW	Bottom socket	WT1	CAR	Switch weighing switch			
DP	CAR	Door machine overheat protection	QFB1	CTR	Safety circuit leakage protection	WT2	CAR	Analog weighing switch	CAR	NULL	Car
ECL	CAR	Car emergency lighting	QFB2	CTR	Door brake circuit electricity leakage protection	CDS	CTR	No room door micro switch	CTR	NULL	Control cabinet
EDP1	CAR	Door 1 light curtain	QFB3	CTR	Car lighting circuit leakage protection	ZMD	CTR	No room control cabinet lighting	MR	NULL	Host
EDP2	CAR	Door 2 light curtains	QFB4	CTR	Well lighting circuit leakage protection				HTW	NULL	Well Road



NICE3000new electrical schematic process standard:

1. Power class naming rules:

380V power supply in the main air switch before the three-phase five-wire named R, S, T, N, PE.  
220V lighting power supply cabinet air switch in the previous stage named Xa, Xb, in the air switch after the stage named 501.502

Control transformer secondary naming rules AC 220V to 201,202, 110V AC 110,102, DC 110V for the L + .L-

24V output named 301,302.

After these naming according to the rules step by step, the range of 103-199,203-299,303-399,503-599.

2. Line number naming rules:

101-199 as AC safety circuit related line;

201-299 as the control exchange 220V related lines;

301-399 as the DC 24V related lines;

501-599 as the exchange of 220V lighting circuit related lines;

801-810 as lighting 220V AC shaft related lines;

3. Switch and contact rules:

All switches and relays, contactor contacts in accordance with the open on and off, left and right closed habit.

4. This schematic applies to my company's modular one machine control cabinet.

5. Drawings in the line number naming method:

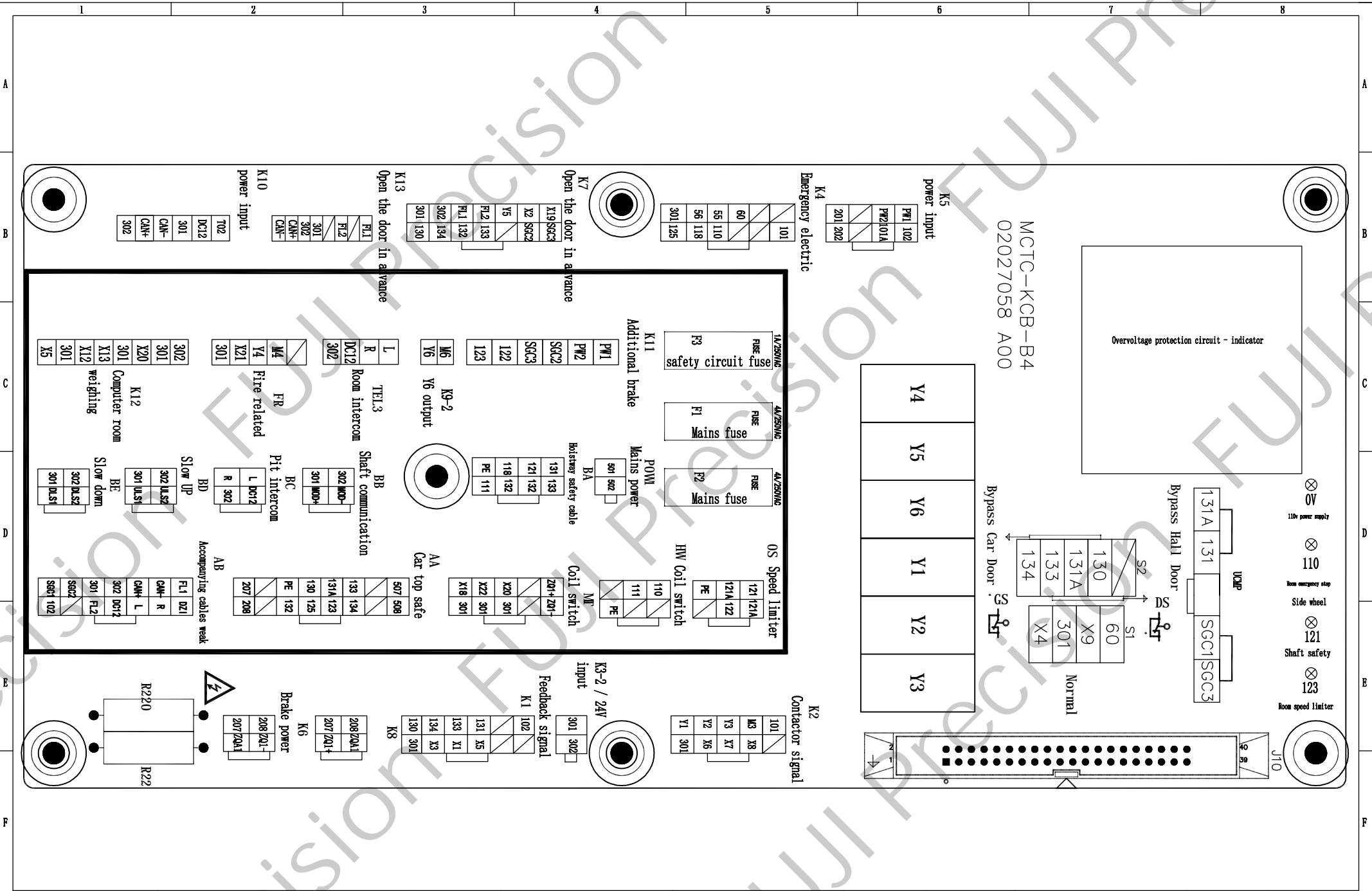
Example: TB: 501.TB represents the terminal block TB, 501 for the line number.

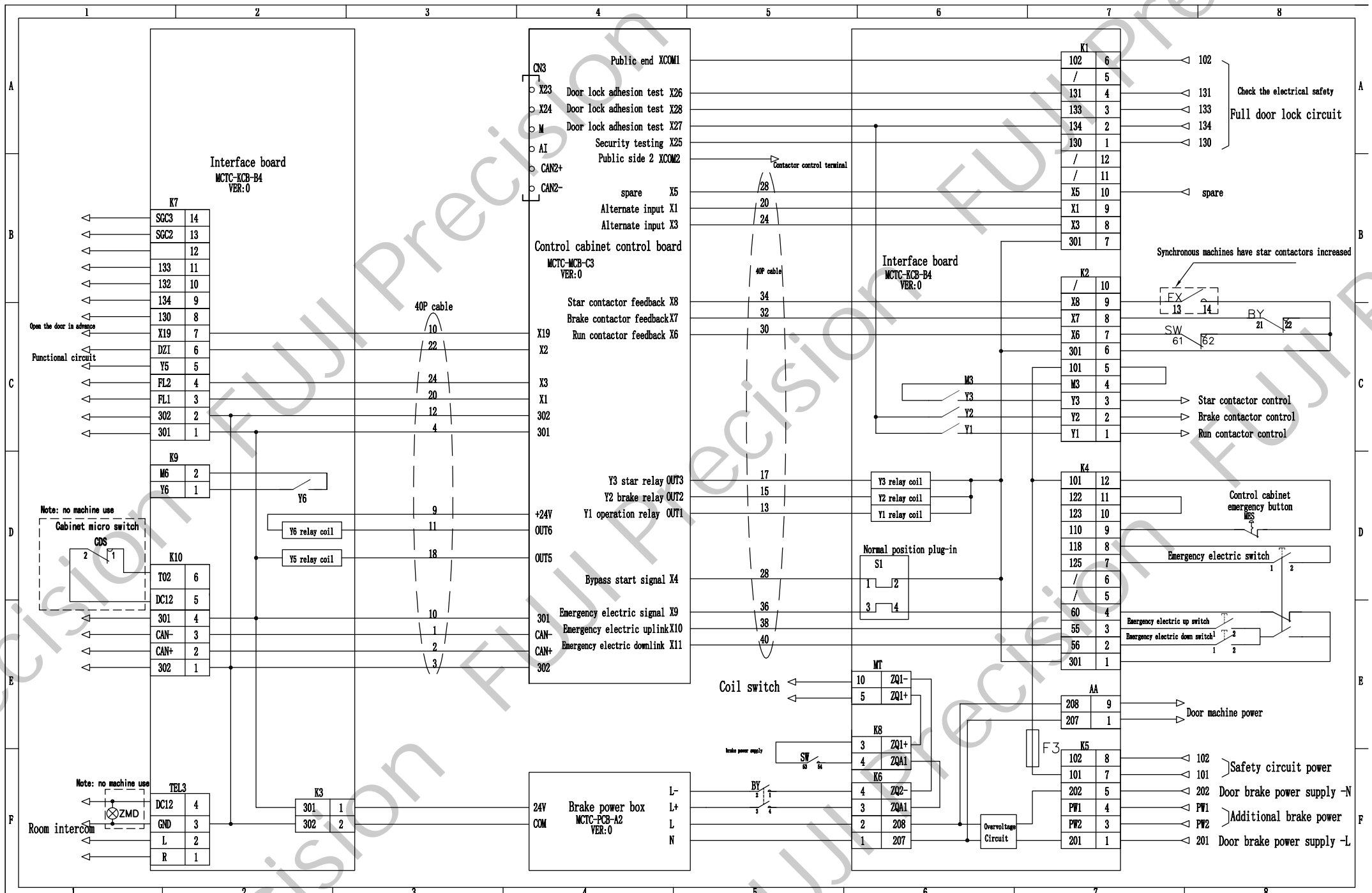
There are two kinds of TA and TB terminal blocks in this picture.

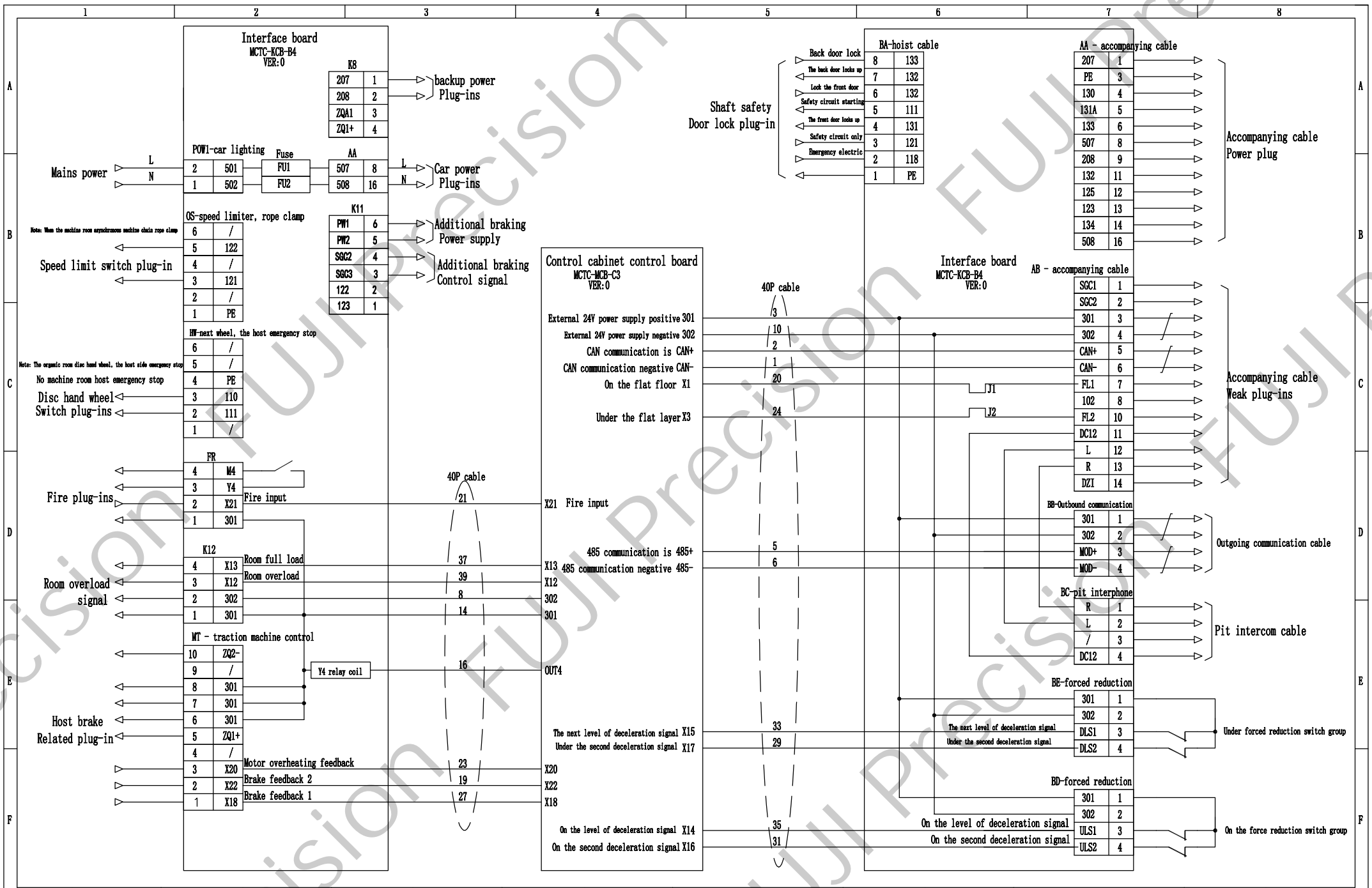
6 drawings applicable scope:

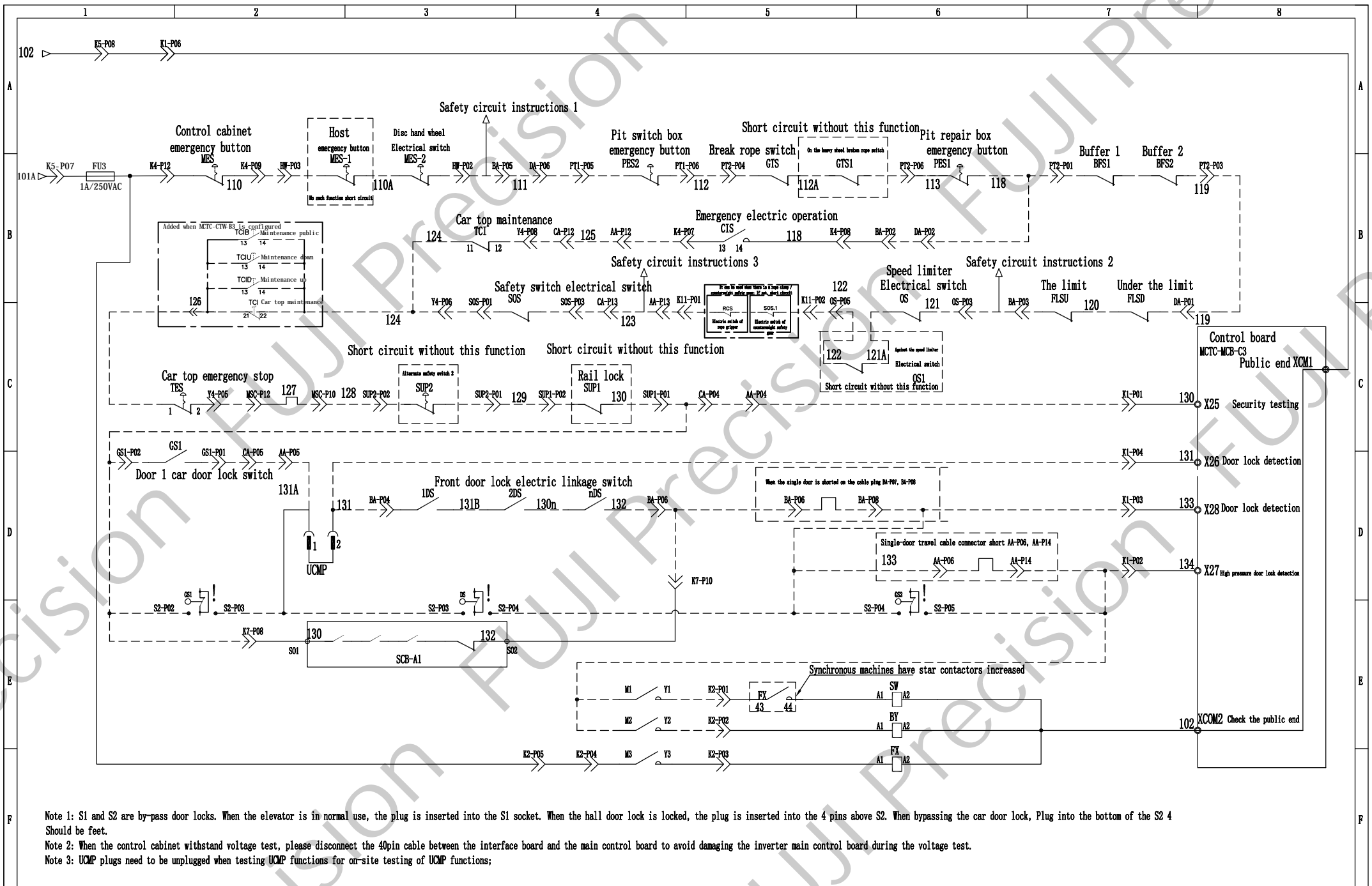
Asynchronous with a computer room and no room control cabinet. Asynchronous machines do not need to connect the "synchronous machine increase" components and related lines.

version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Process standard	page number: P04
date: 2017.8.1							







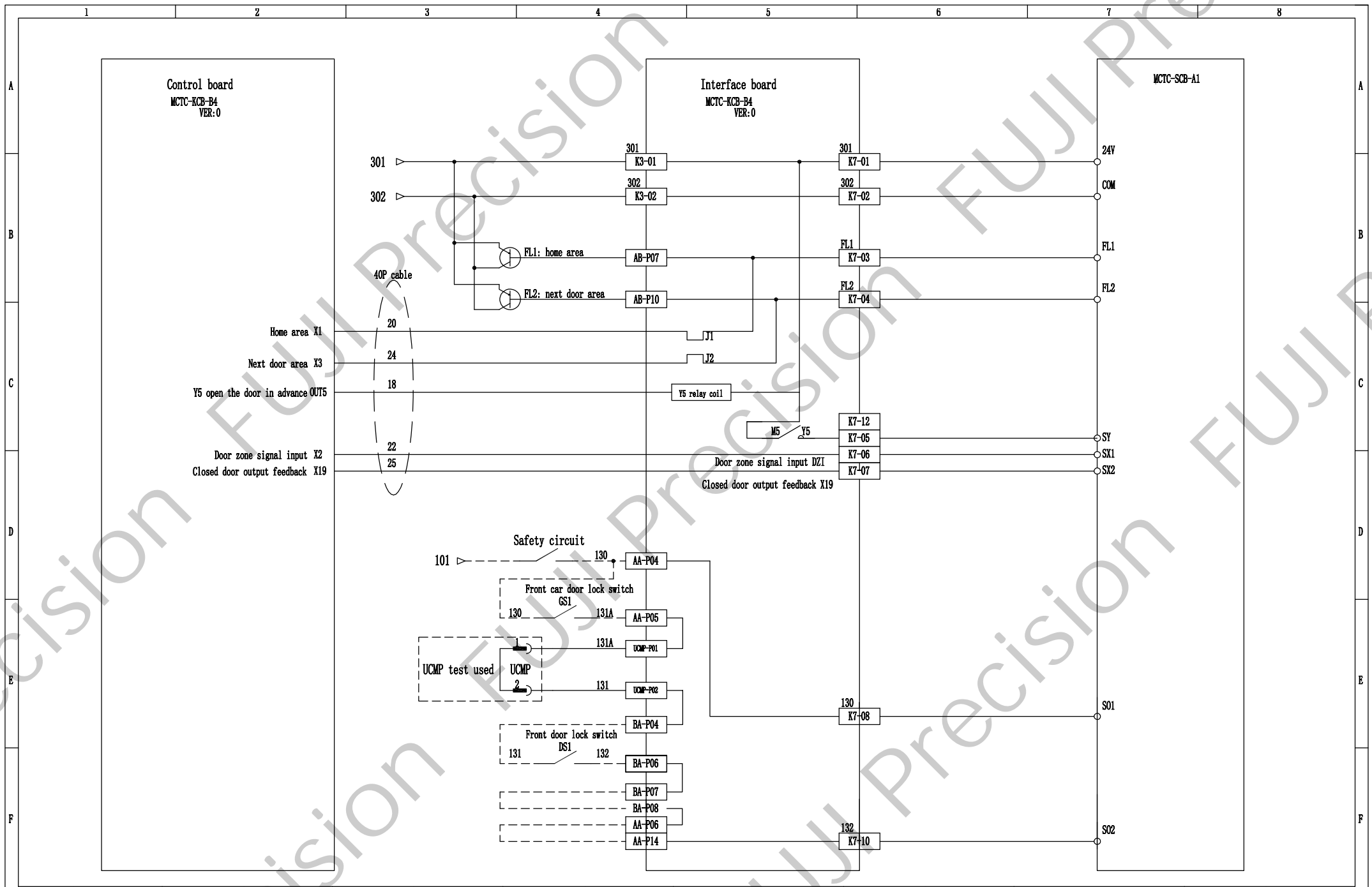


Note 1: S1 and S2 are by-pass door locks. When the elevator is in normal use, the plug is inserted into the S1 socket. When the hall door lock is locked, the plug is inserted into the 4 pins above S2. When bypassing the car door lock, Plug into the bottom of the S2 4 Should be feet.

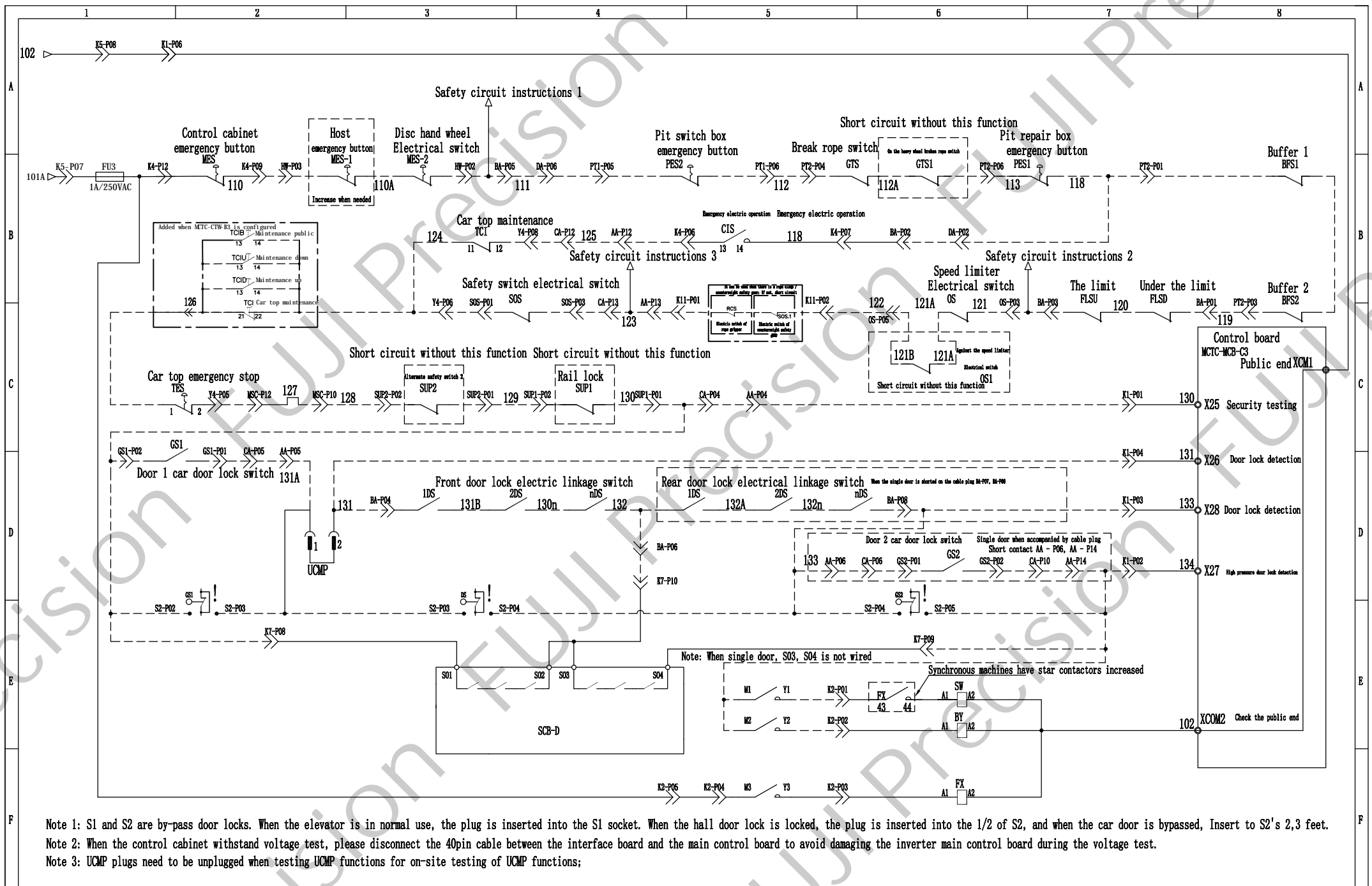
Note 2: When the control cabinet withstand voltage test, please disconnect the 40pin cable between the interface board and the main control board to avoid damaging the inverter main control board during the voltage test.

Note 3: UCMP plugs need to be unplugged when testing UCMP functions for on-site testing of UCMP functions;

version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Synchronous machine single-door safety circuit diagram	page number: P08
date: 2017.8.1							



version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Synchronous single-door UCMP schematic diagram	page number: P09
date: 2017.8.1							

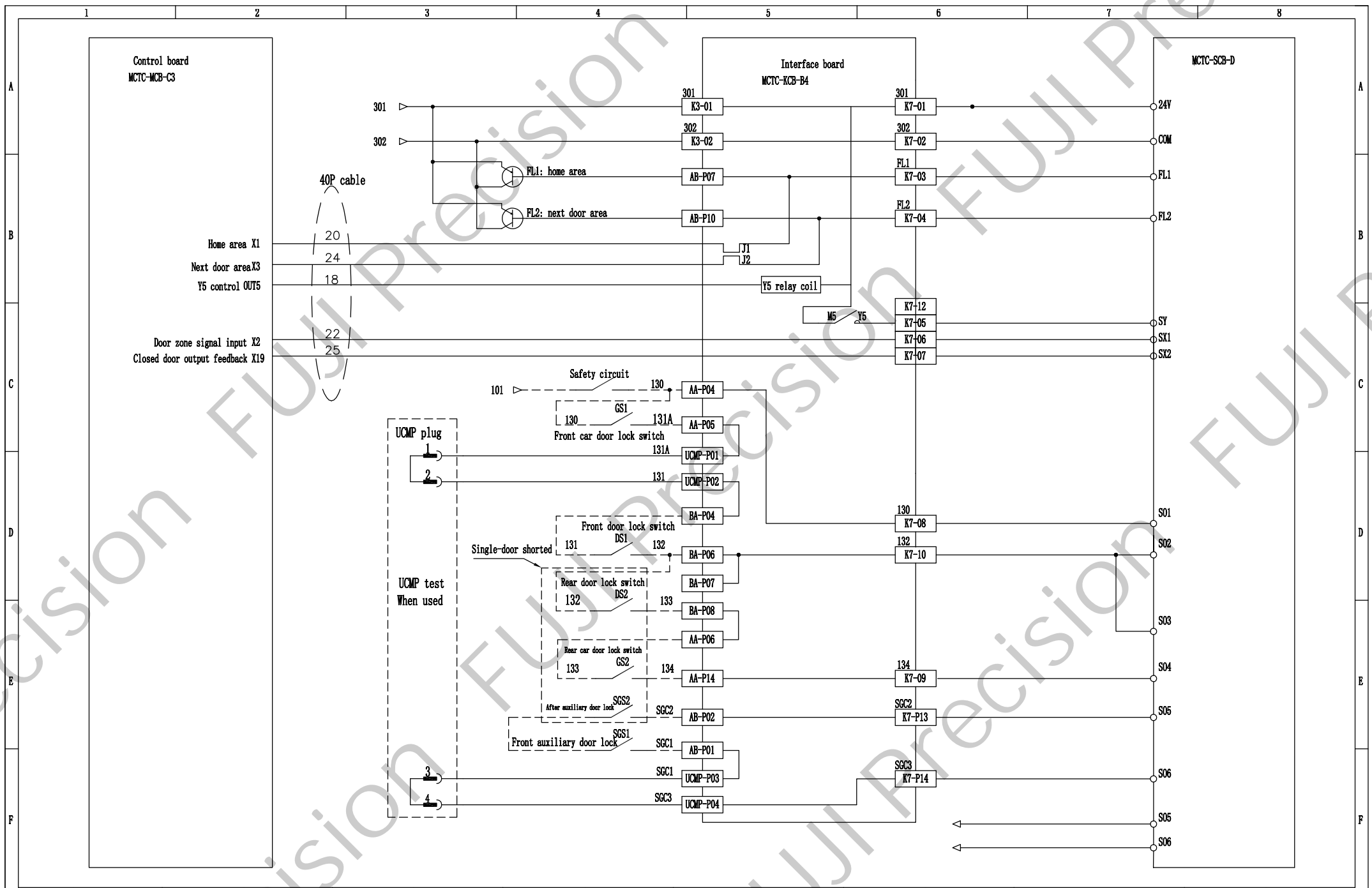


Note 1: S1 and S2 are by-pass door locks. When the elevator is in normal use, the plug is inserted into the S1 socket. When the hall door lock is locked, the plug is inserted into the 1/2 of S2, and when the car door is bypassed, Insert to S2's 2,3 feet.

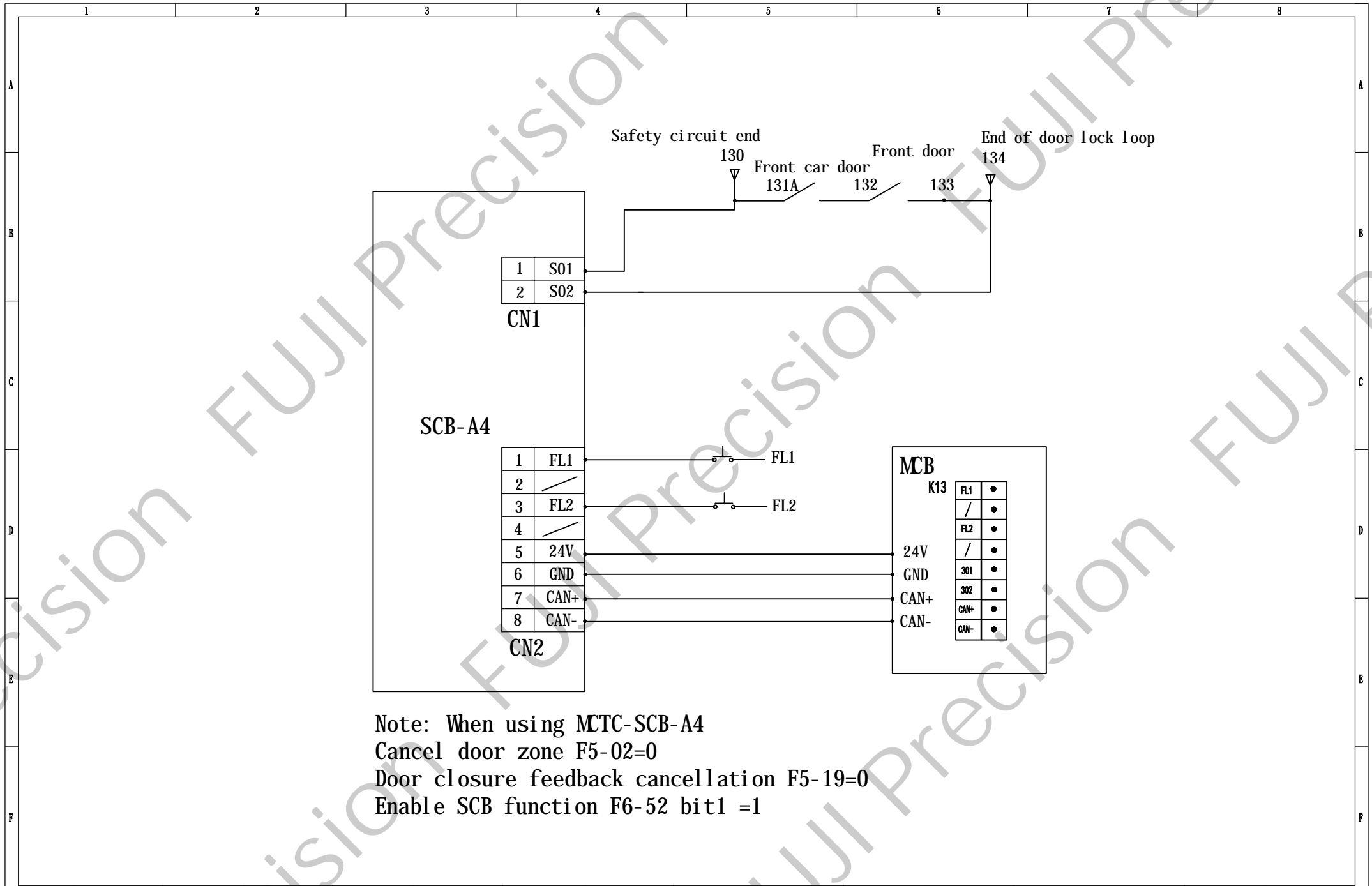
Note 2: When the control cabinet withstand voltage test, please disconnect the 40pin cable between the interface board and the main control board to avoid damaging the inverter main control board during the voltage test.

Note 3: UCMP plugs need to be unplugged when testing UCMP functions for on-site testing of UCMP functions;

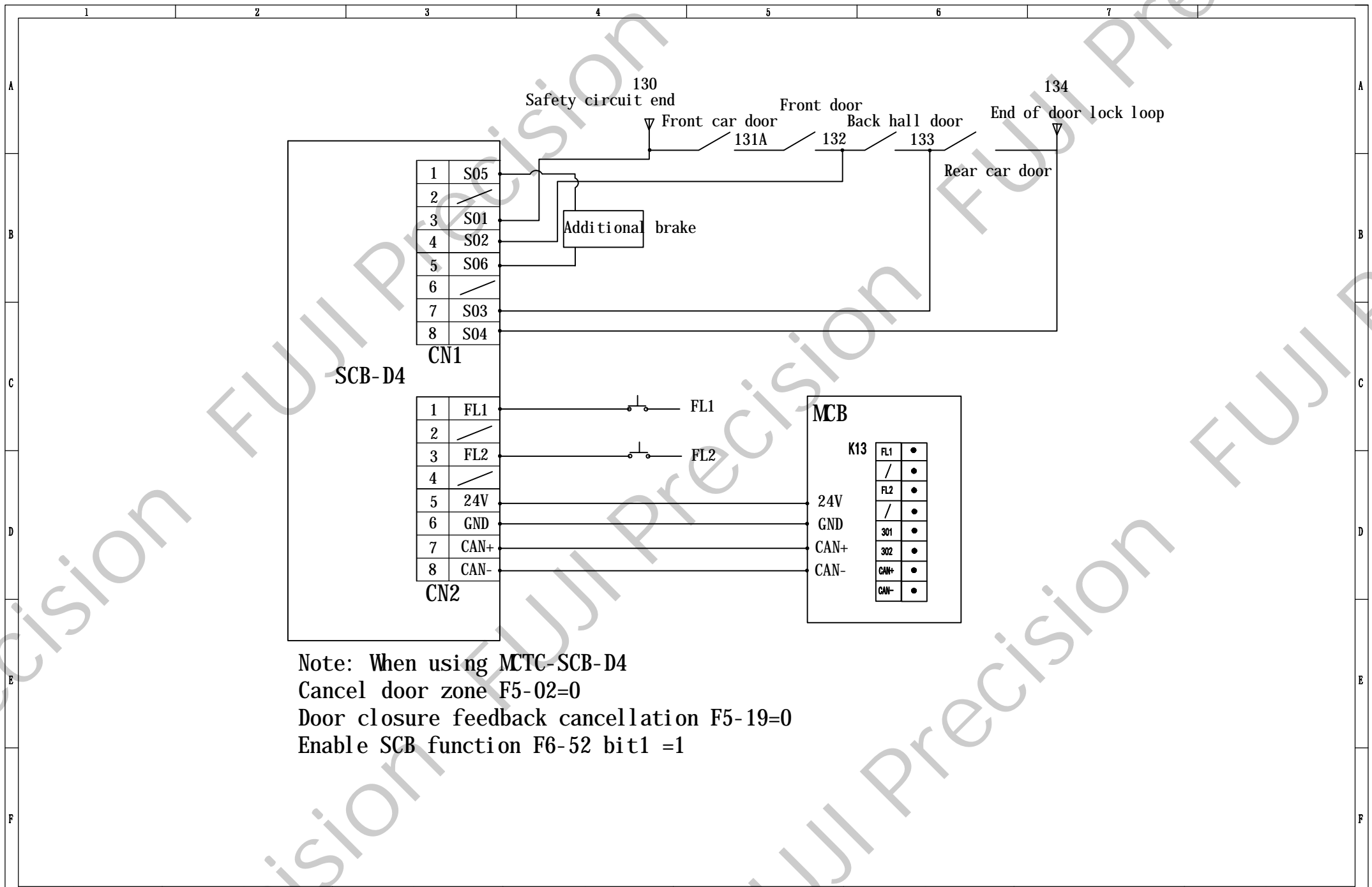
version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Synchronous machine double door safety circuit diagram	page number: P10
date: 2017.8.1							



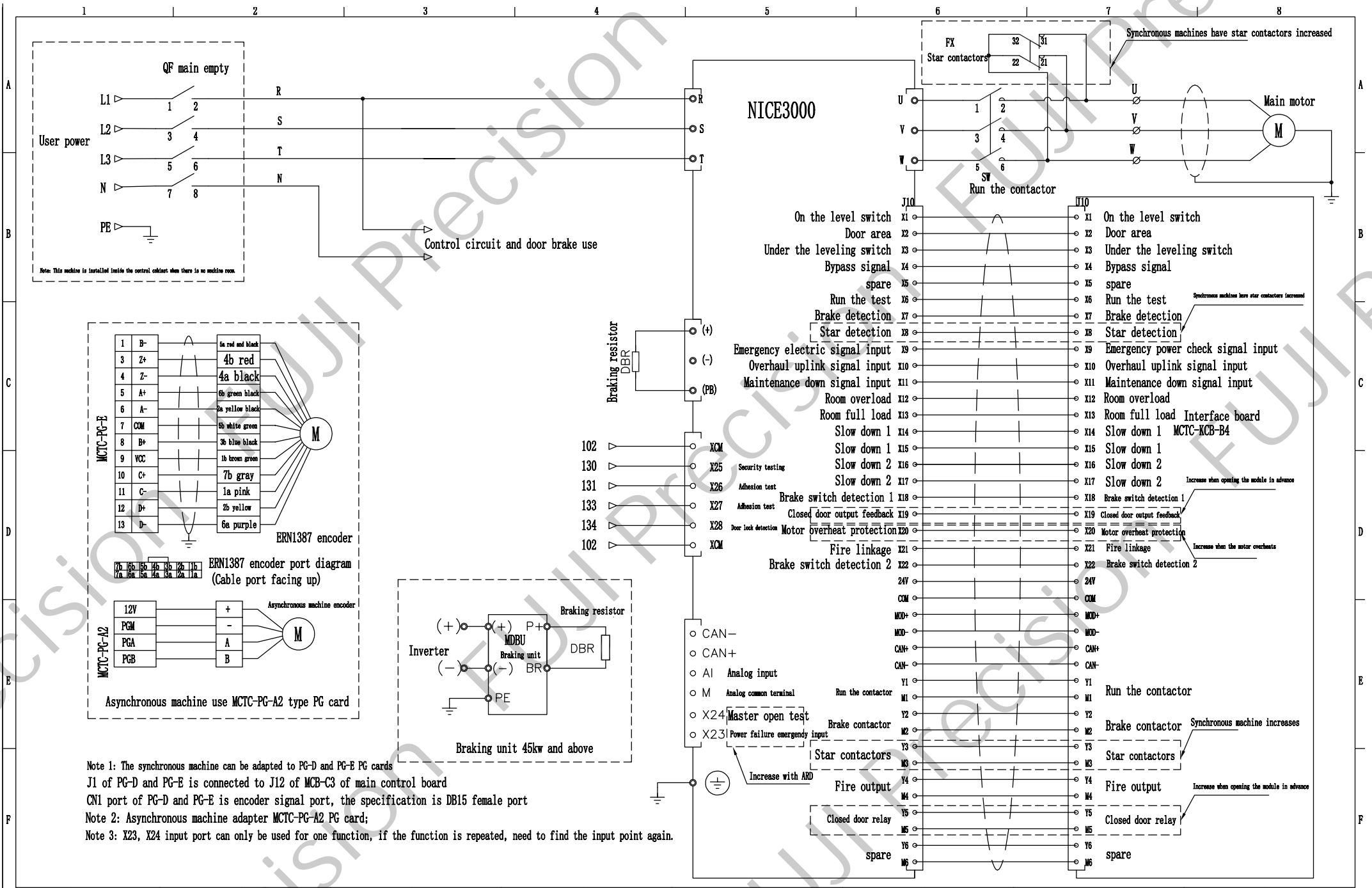




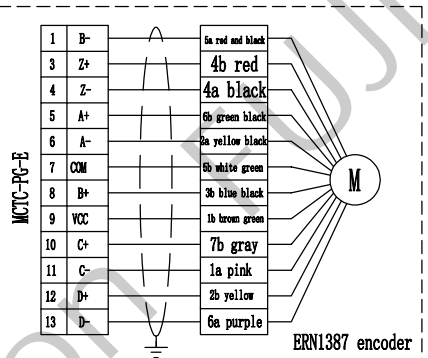
Note: When using MTC-SCB-A4  
 Cancel door zone F5-02=0  
 Door closure feedback cancellation F5-19=0  
 Enable SCB function F6-52 bit1 =1



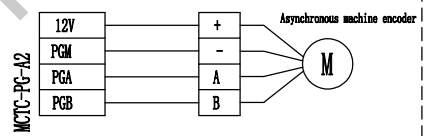
Note: When using MTC-SCB-D4  
 Cancel door zone F5-02=0  
 Door closure feedback cancellation F5-19=0  
 Enable SCB function F6-52 bit1 =1



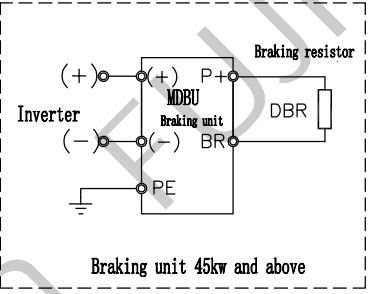
Note: This machine is installed inside the control cabinet when there is no machine room.



ER1387 encoder port diagram (Cable port facing up)

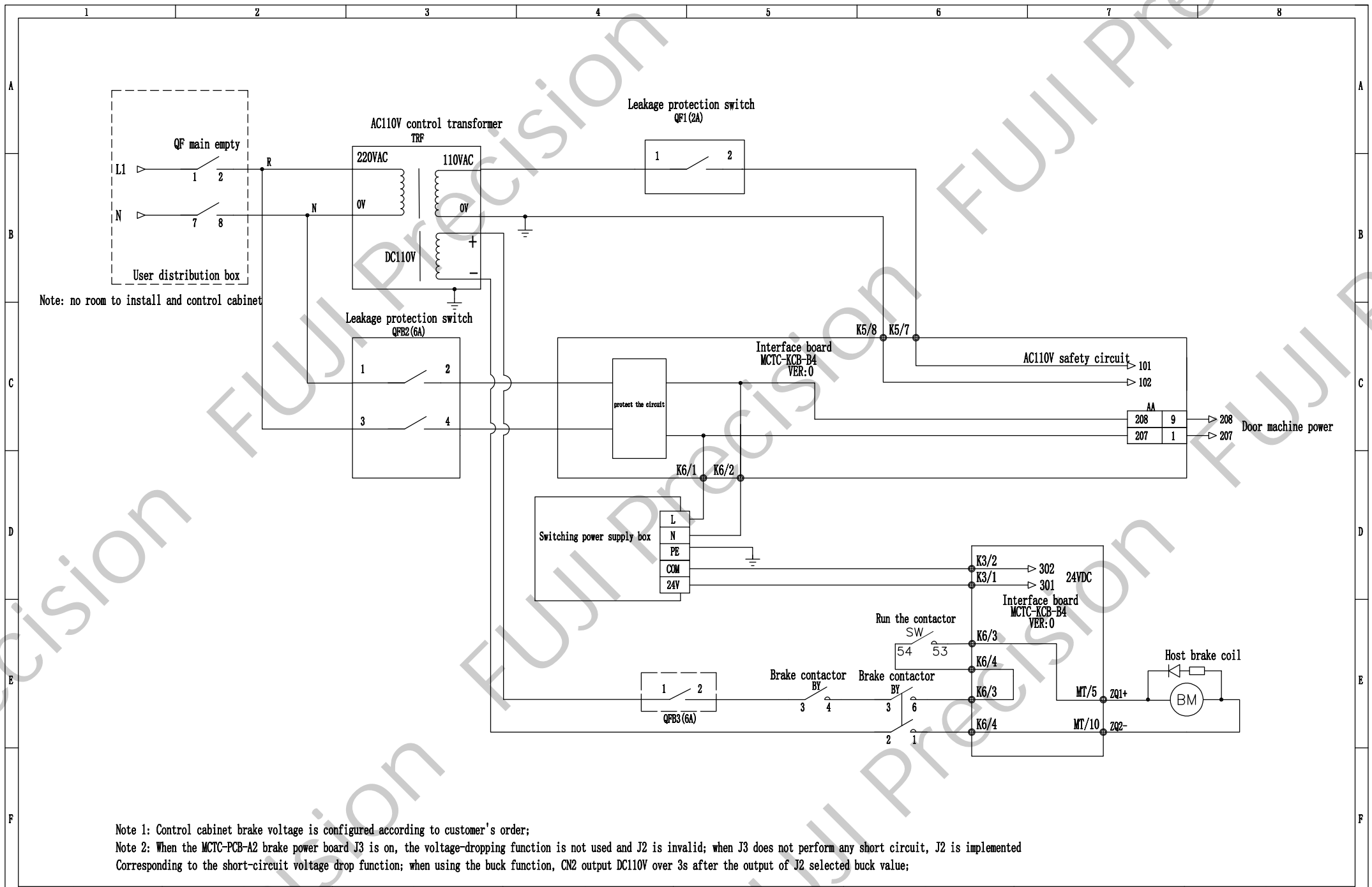


Asynchronous machine use MCTC-PG-A2 type PG card



Braking unit 45kw and above

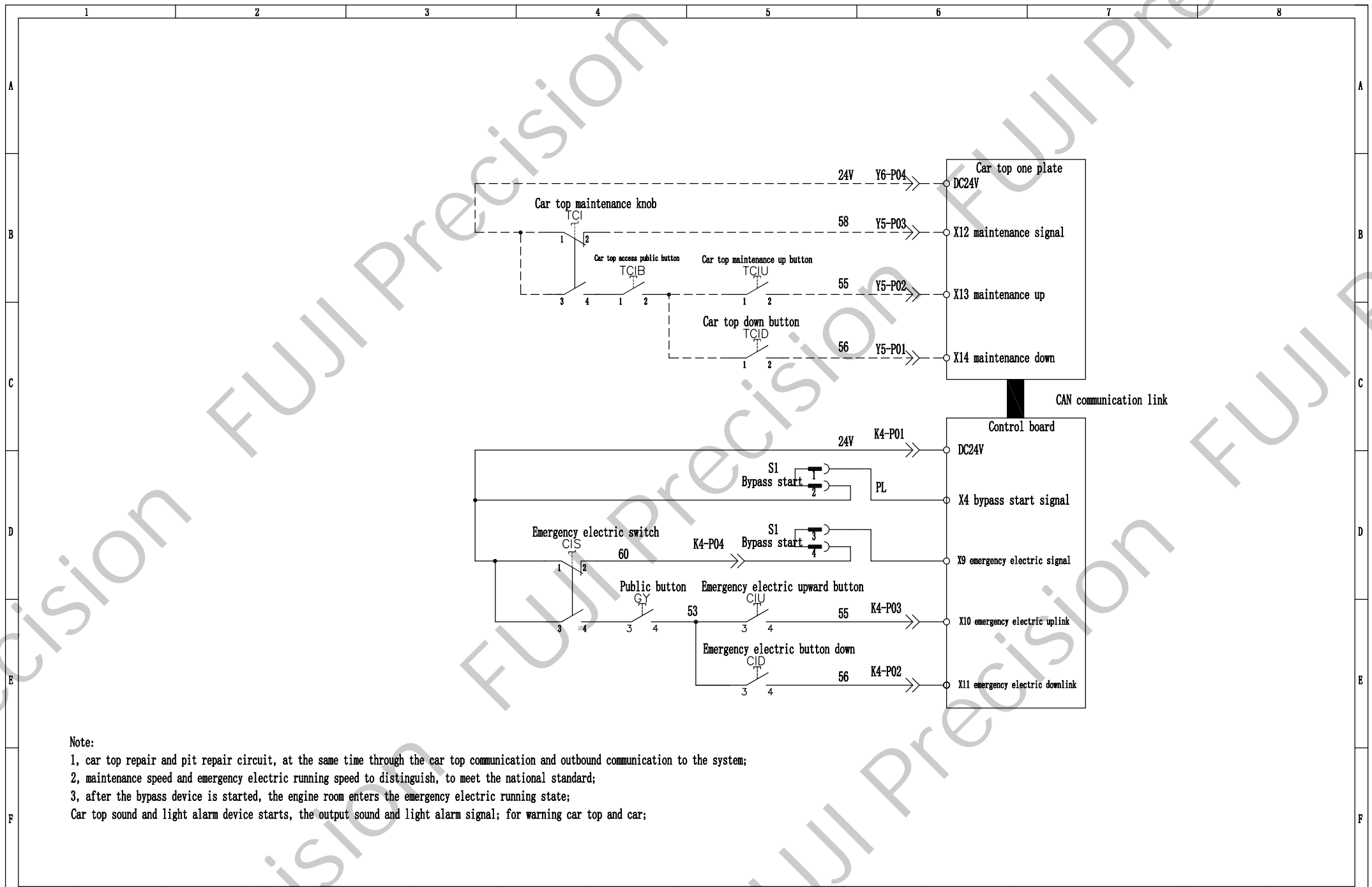
Note 1: The synchronous machine can be adapted to PG-D and PG-E PG cards  
 J1 of PG-D and PG-E is connected to J12 of MCB-C3 of main control board  
 CN1 port of PG-D and PG-E is encoder signal port, the specification is DB15 female port  
 Note 2: Asynchronous machine adapter MCTC-PG-A2 PG card;  
 Note 3: X23, X24 input port can only be used for one function, if the function is repeated, need to find the input point again.



Note: no room to install and control cabinet

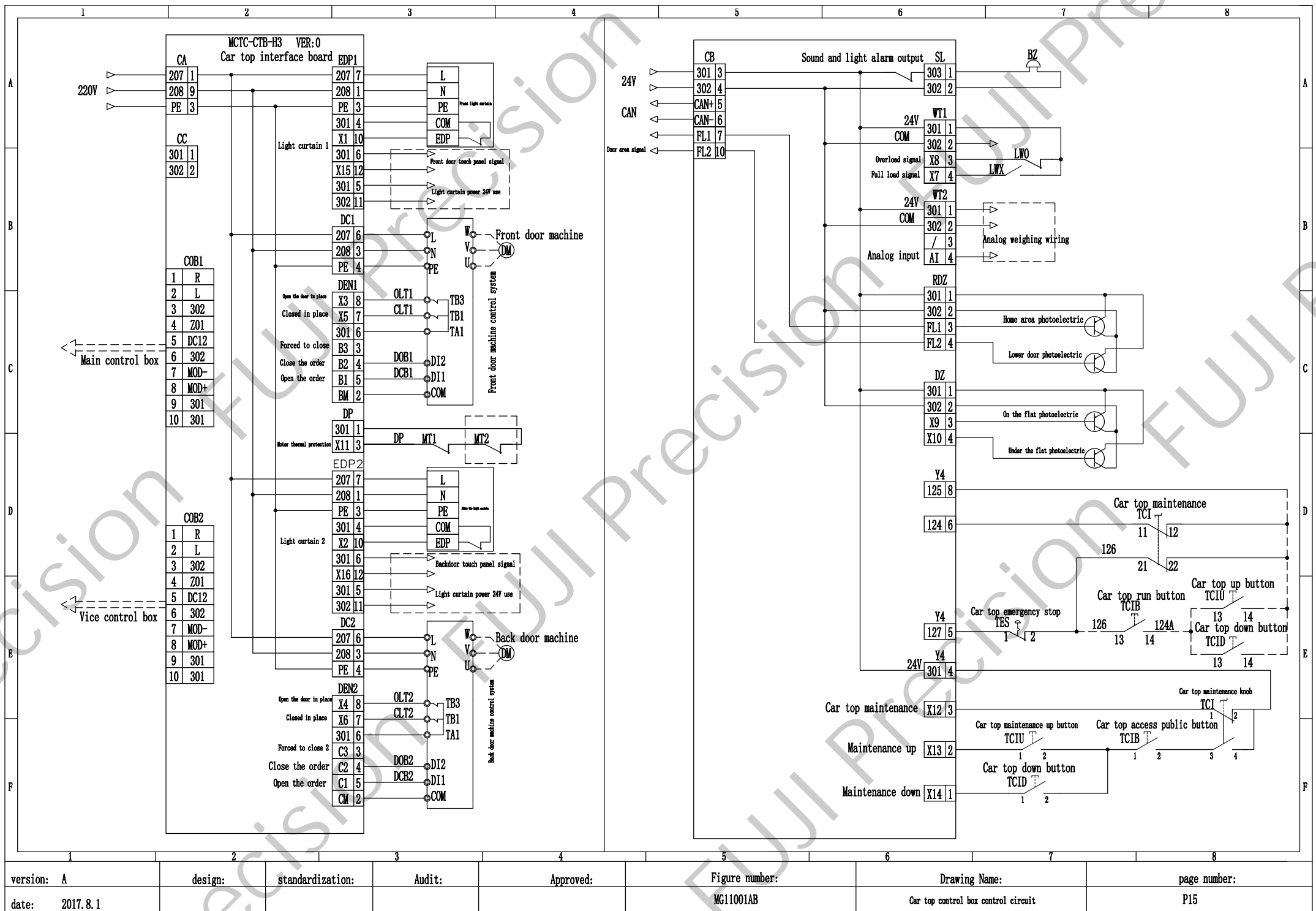
Note 1: Control cabinet brake voltage is configured according to customer's order;  
 Note 2: When the MCTC-PCB-A2 brake power board J3 is on, the voltage-dropping function is not used and J2 is invalid; when J3 does not perform any short circuit, J2 is implemented corresponding to the short-circuit voltage drop function; when using the buck function, CN2 output DC110V over 3s after the output of J2 selected buck value;

version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Power supply circuit and brake circuit diagram	page number: P13
date: 2017.8.1							

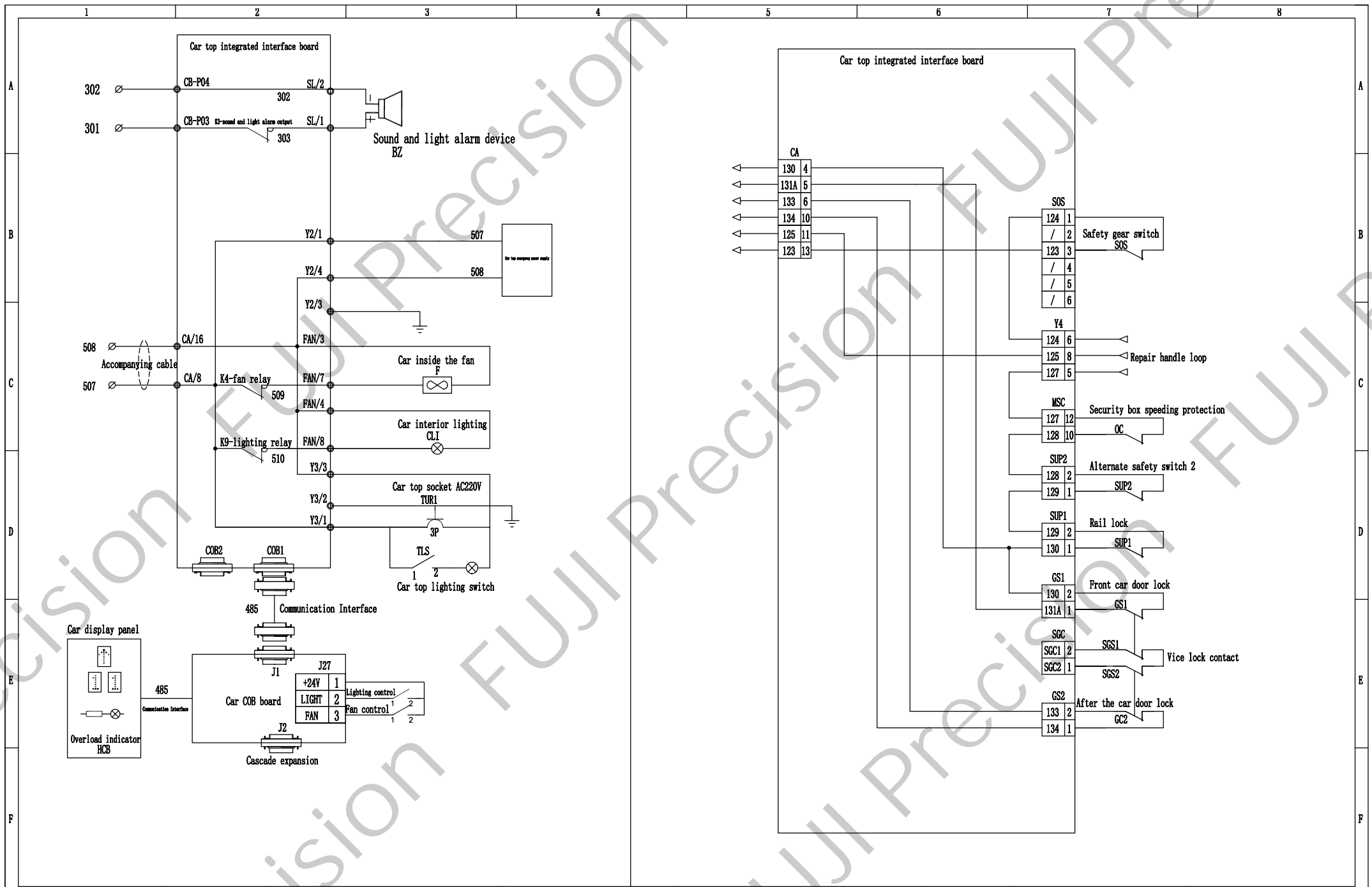


Note:  
 1, car top repair and pit repair circuit, at the same time through the car top communication and outbound communication to the system;  
 2, maintenance speed and emergency electric running speed to distinguish, to meet the national standard;  
 3, after the bypass device is started, the engine room enters the emergency electric running state;  
 Car top sound and light alarm device starts, the output sound and light alarm signal; for warning car top and car;

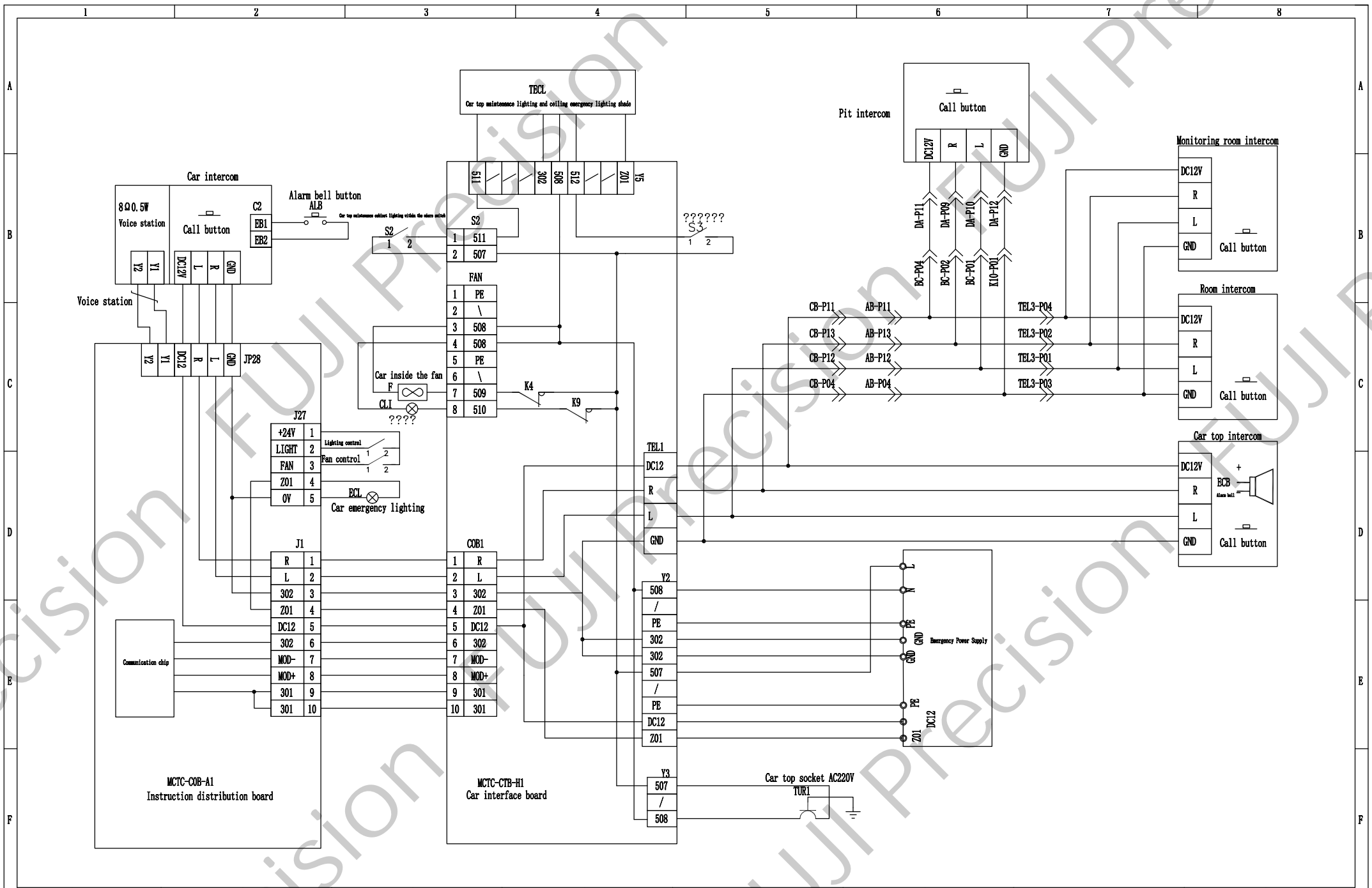
version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Overhaul circuit diagram	page number: P14
date: 2017.8.1							



version: A	design:	standardization:	Audit:	Approved:	Figure number:	Drawing Name:	page number:
date: 2017.8.1					MG11001AB	Car top control box control circuit	P15

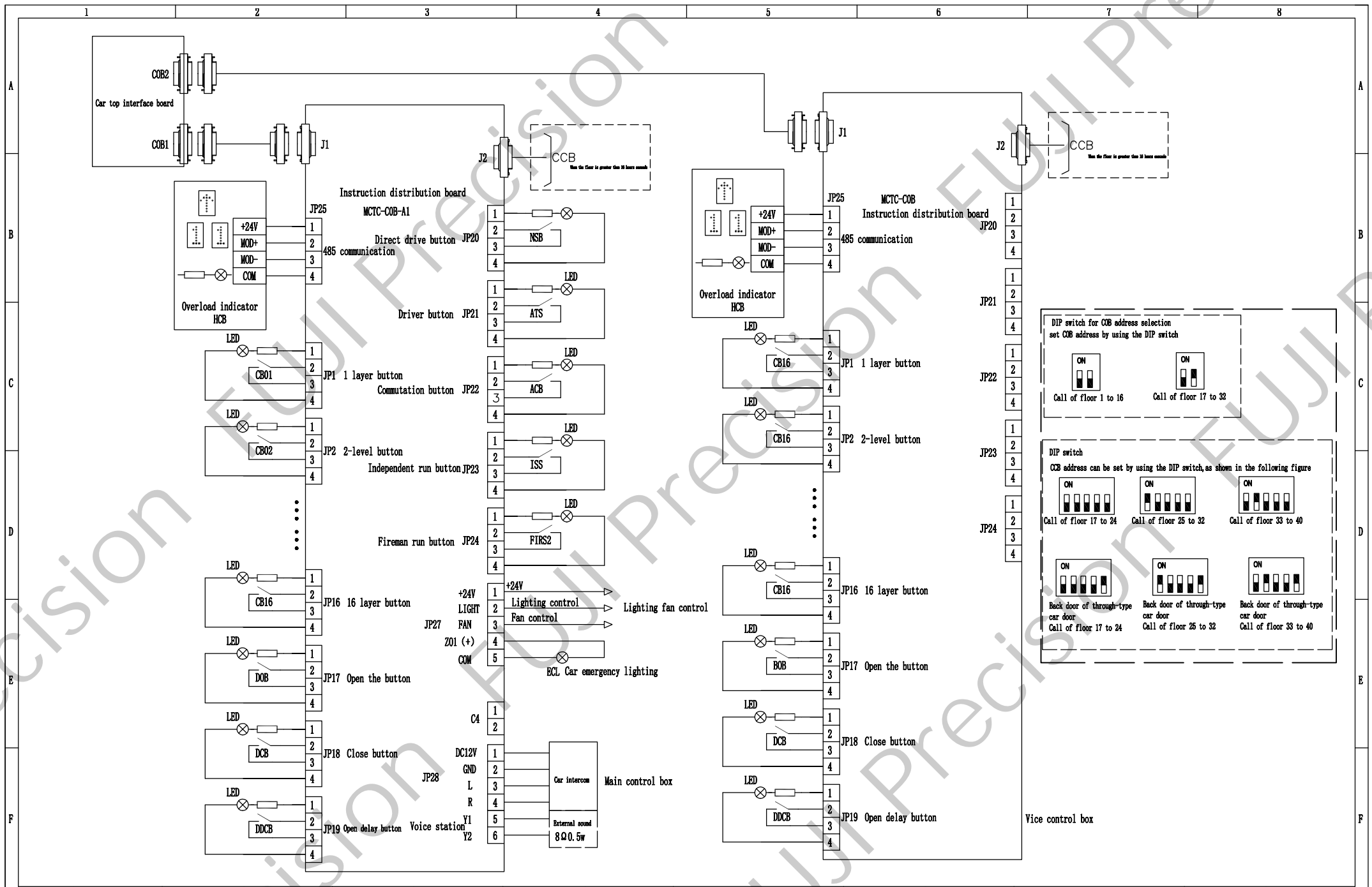


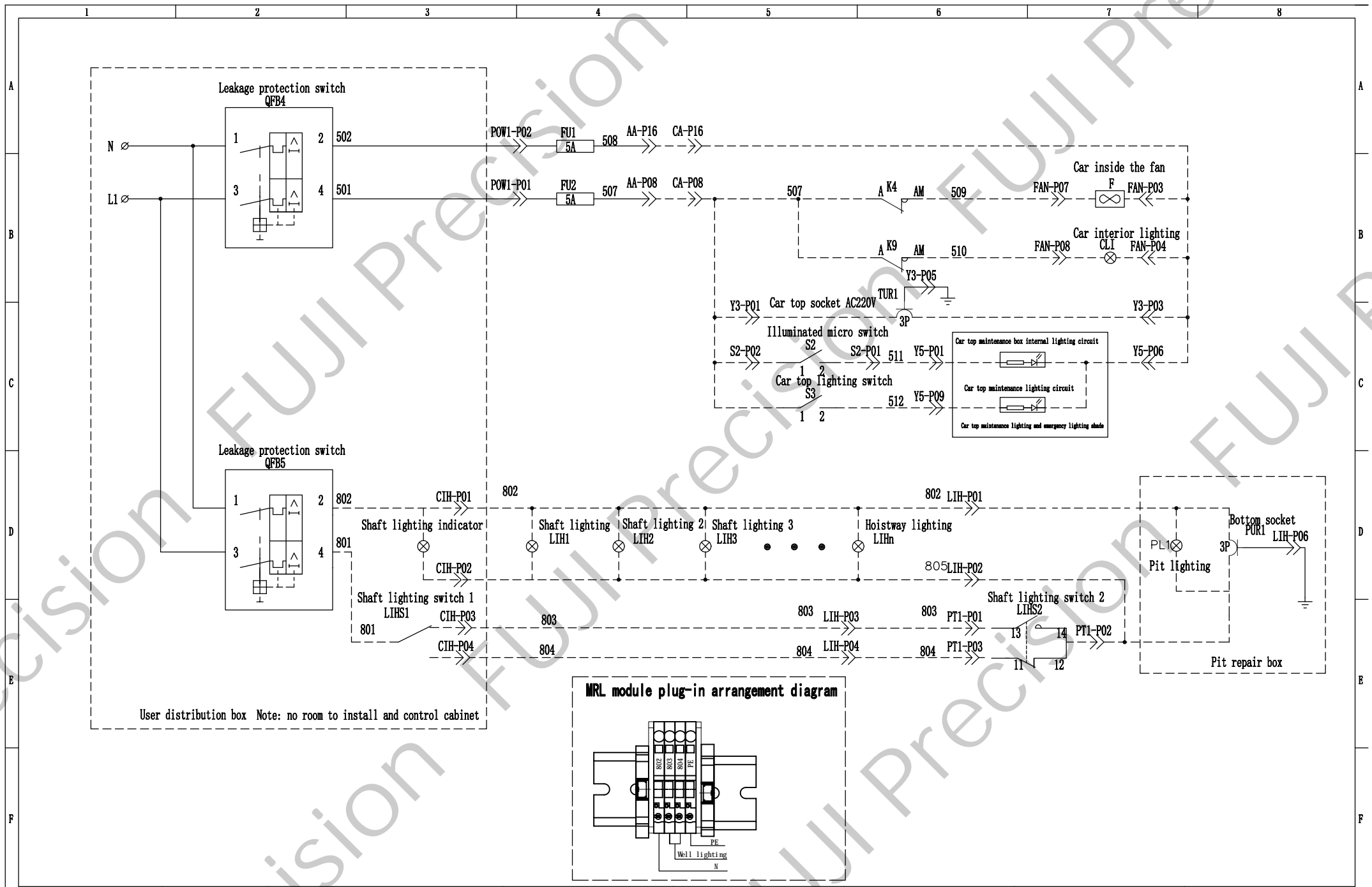
version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Car top lighting fan and safety circuit	page number: P16
date: 2017.8.1							



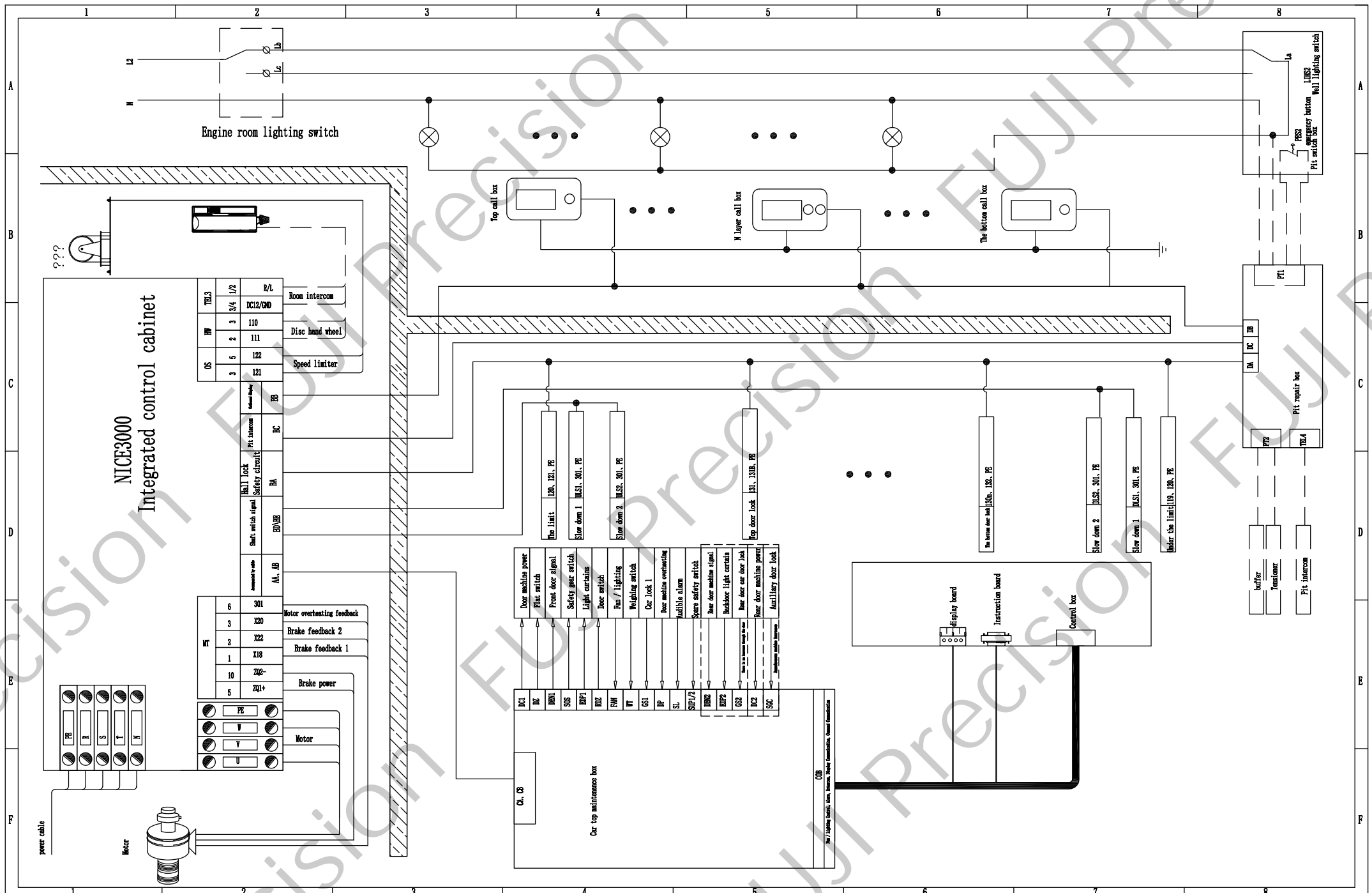
version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Intercom, alarm, emergency light, lighting circuit	page number: P17
date: 2017.8.1							

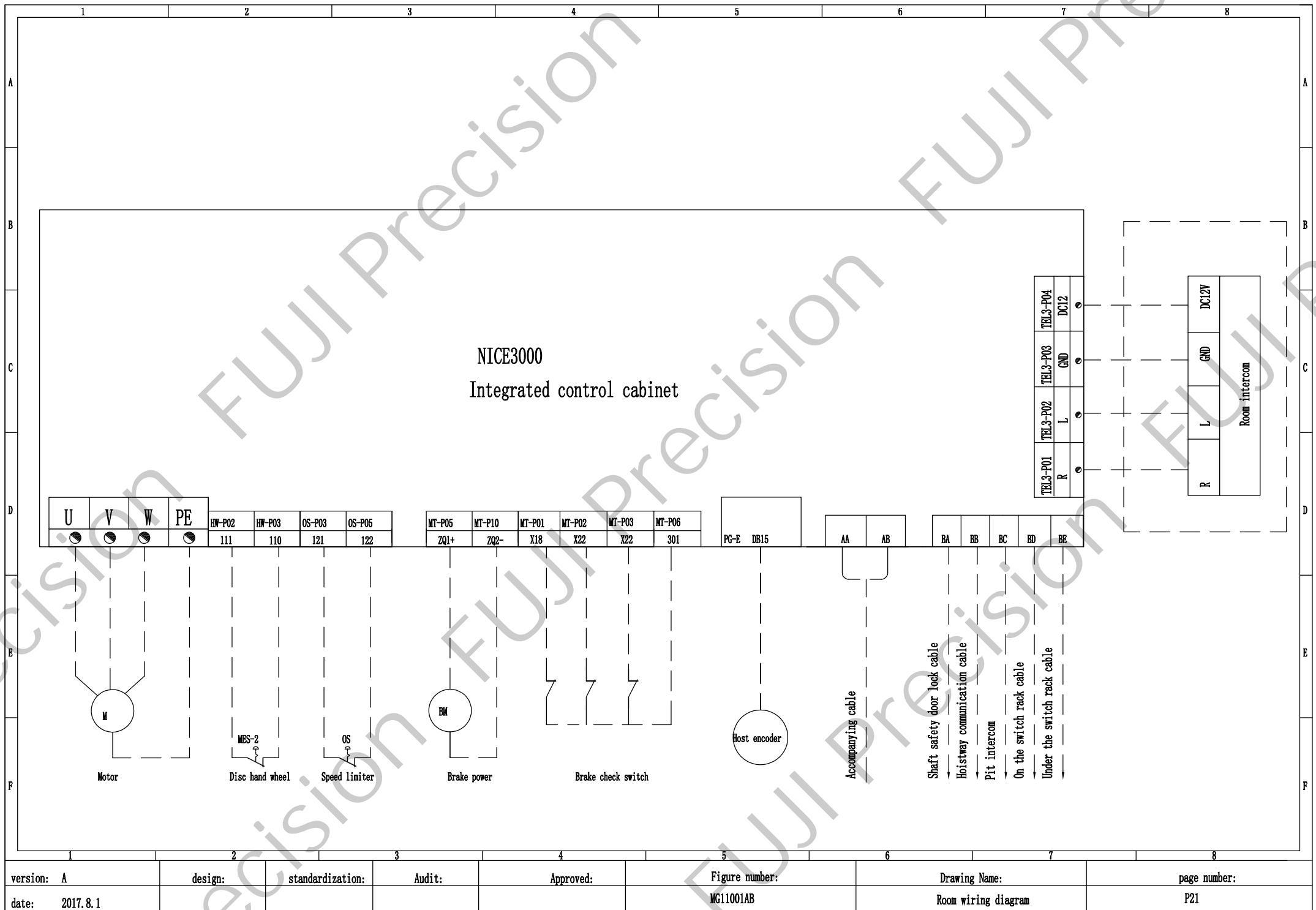




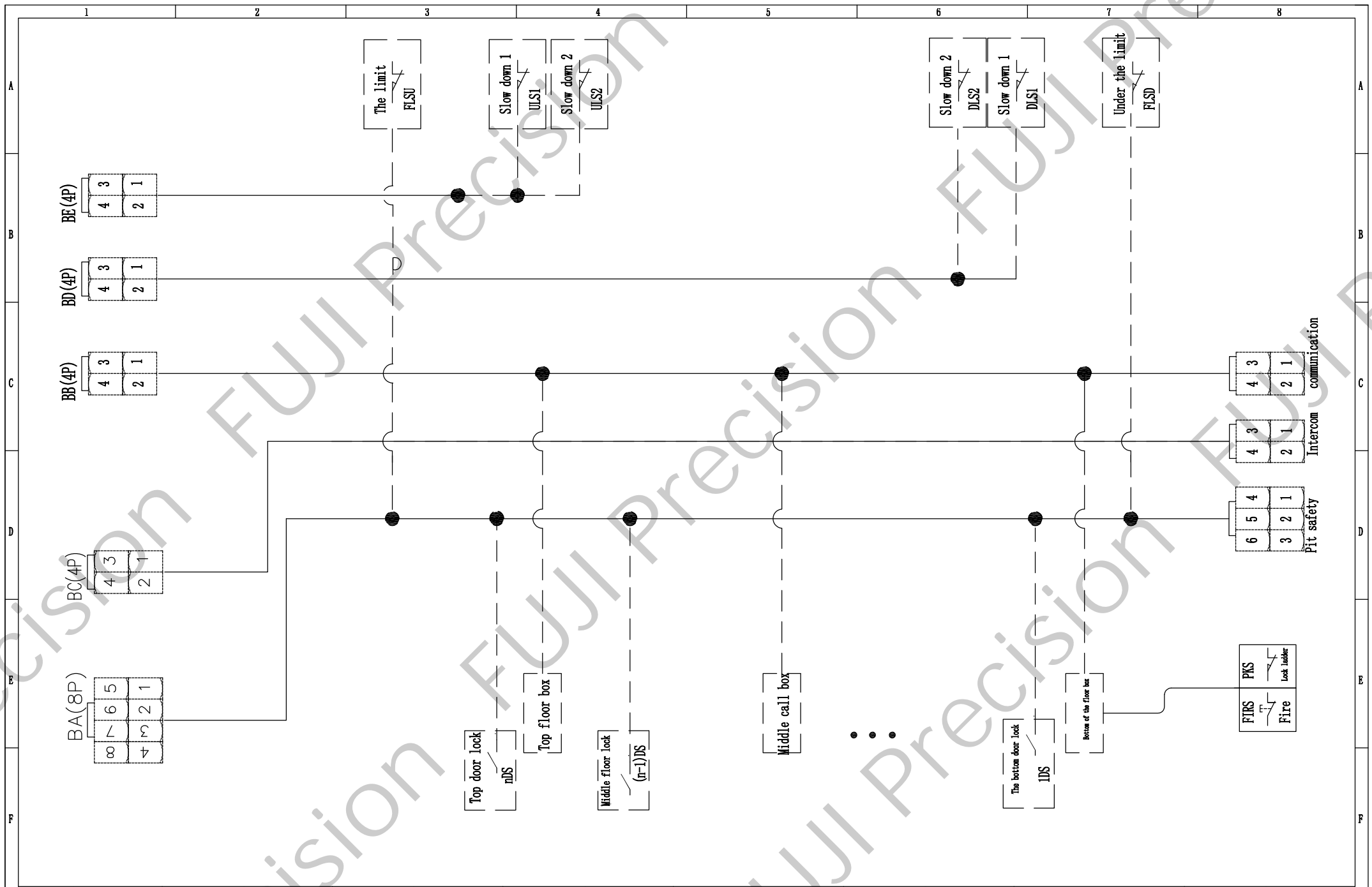


version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Lighting circuit diagram	page number: P19
date: 2017.8.1							

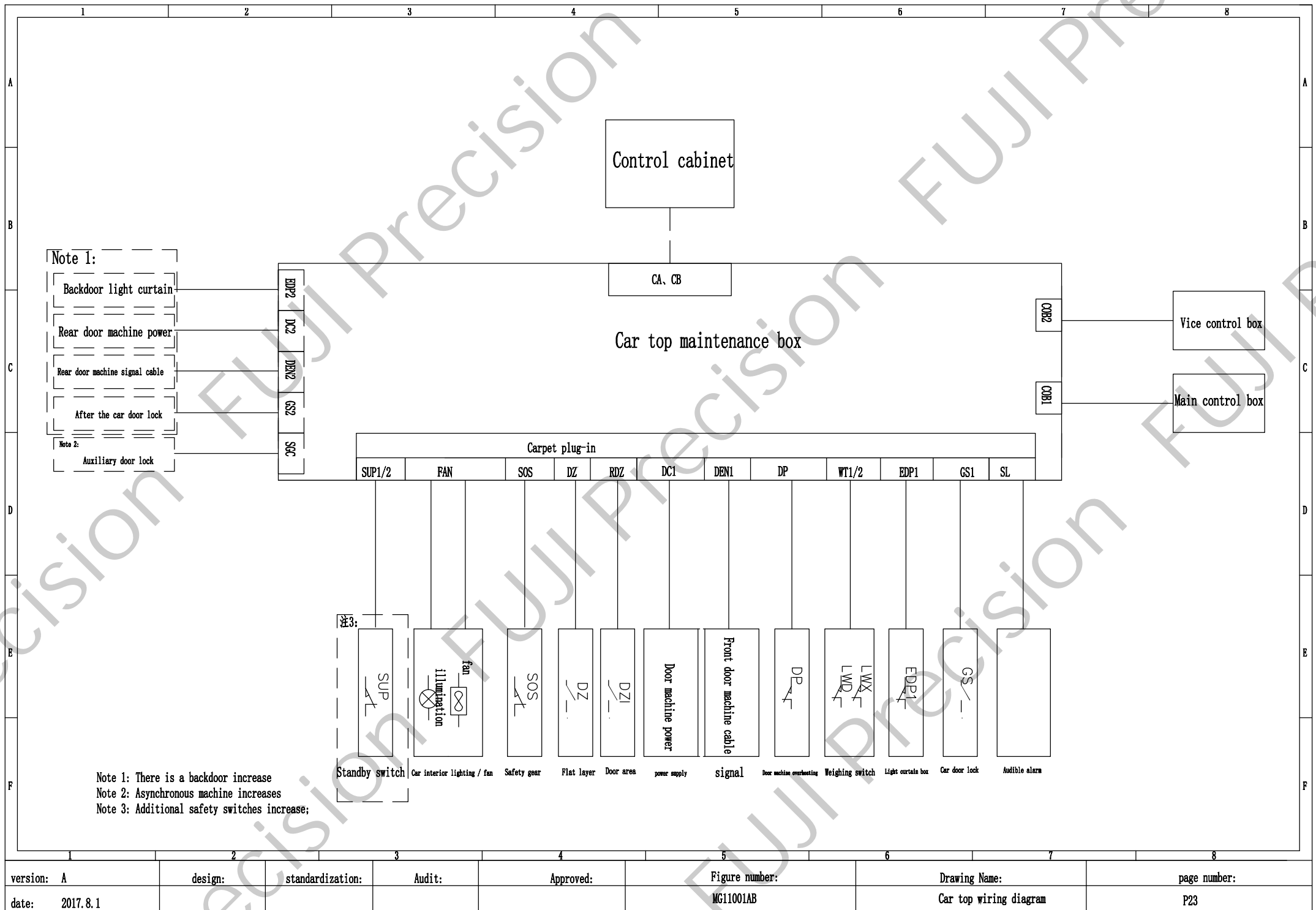




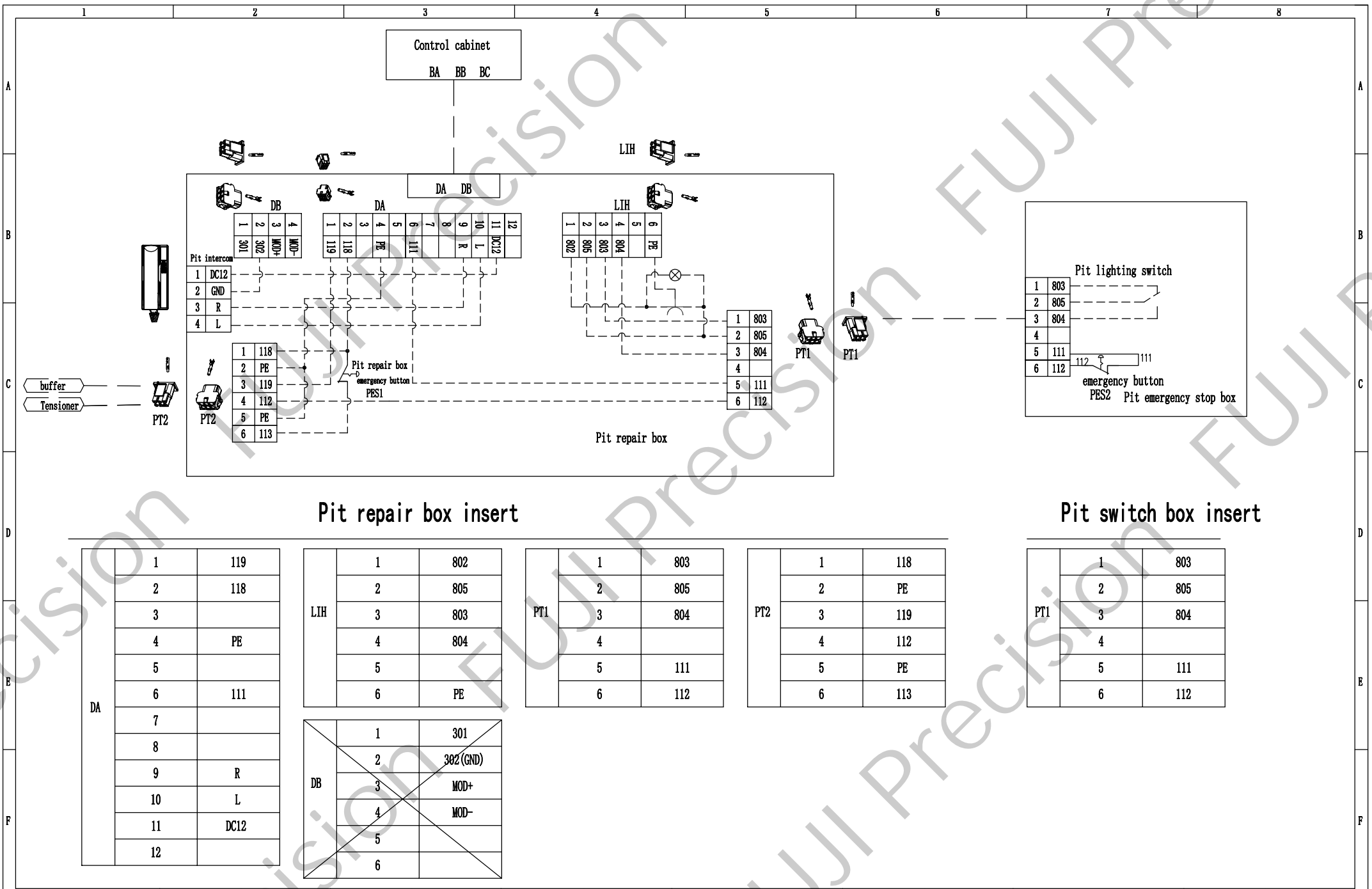
version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Room wiring diagram	page number: P21
date: 2017.8.1							



version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Hoistway wiring diagram	page number: P22
date: 2017.8.1							



version: A	design:	standardization:	Audit:	Approved:	Figure number:	Drawing Name:	page number:
date: 2017.8.1					MG11001AB	Car top wiring diagram	P23



Pit repair box insert

DA	1	119
	2	118
	3	
	4	PE
	5	
	6	111
	7	
	8	
	9	R
	10	L
	11	DC12
	12	

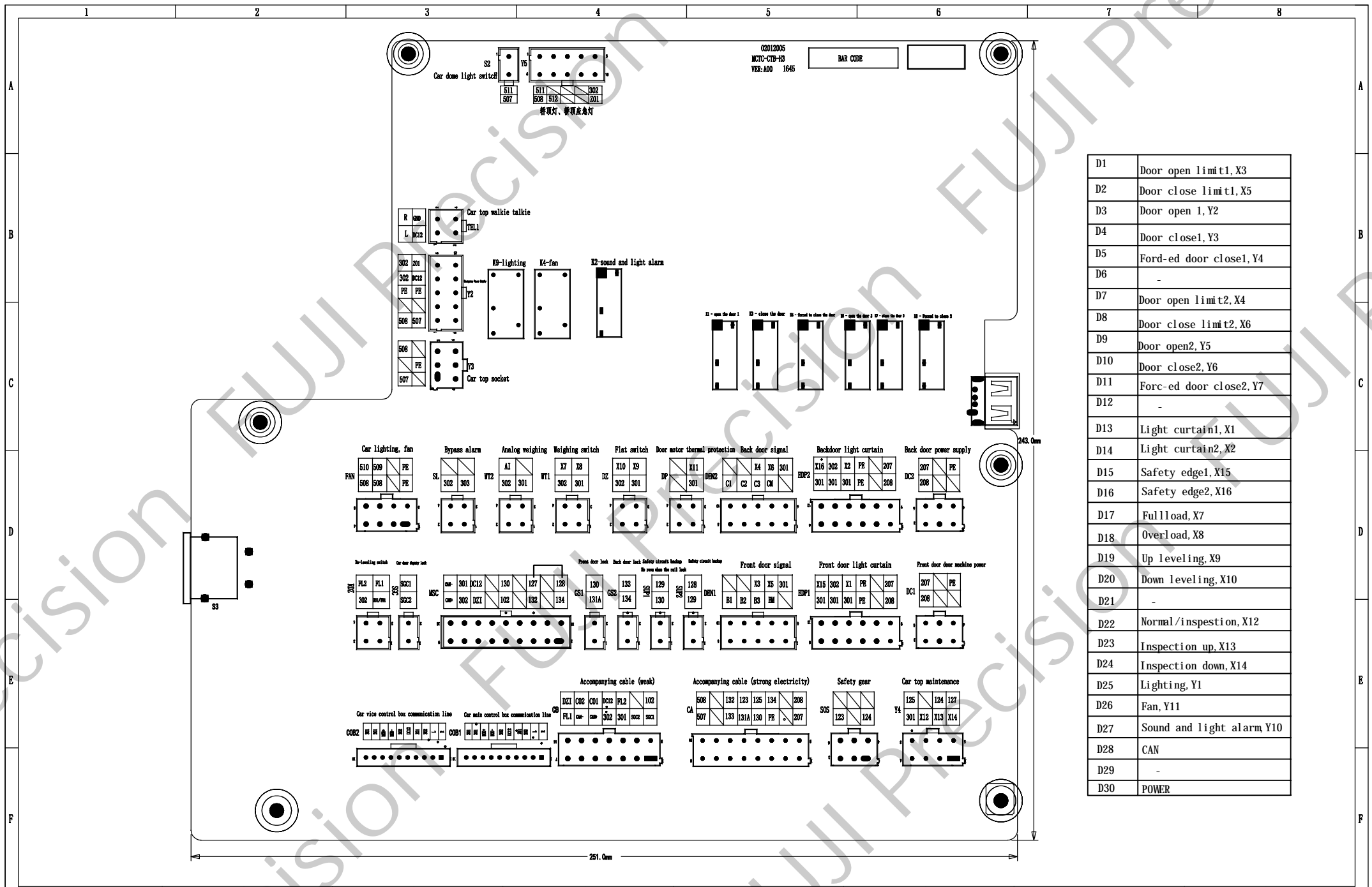
LIH	1	802
	2	805
	3	803
	4	804
	5	
	6	PE

PT1	1	803
	2	805
	3	804
	4	
	5	111
	6	112

PT2	1	118
	2	PE
	3	119
	4	112
	5	PE
	6	113

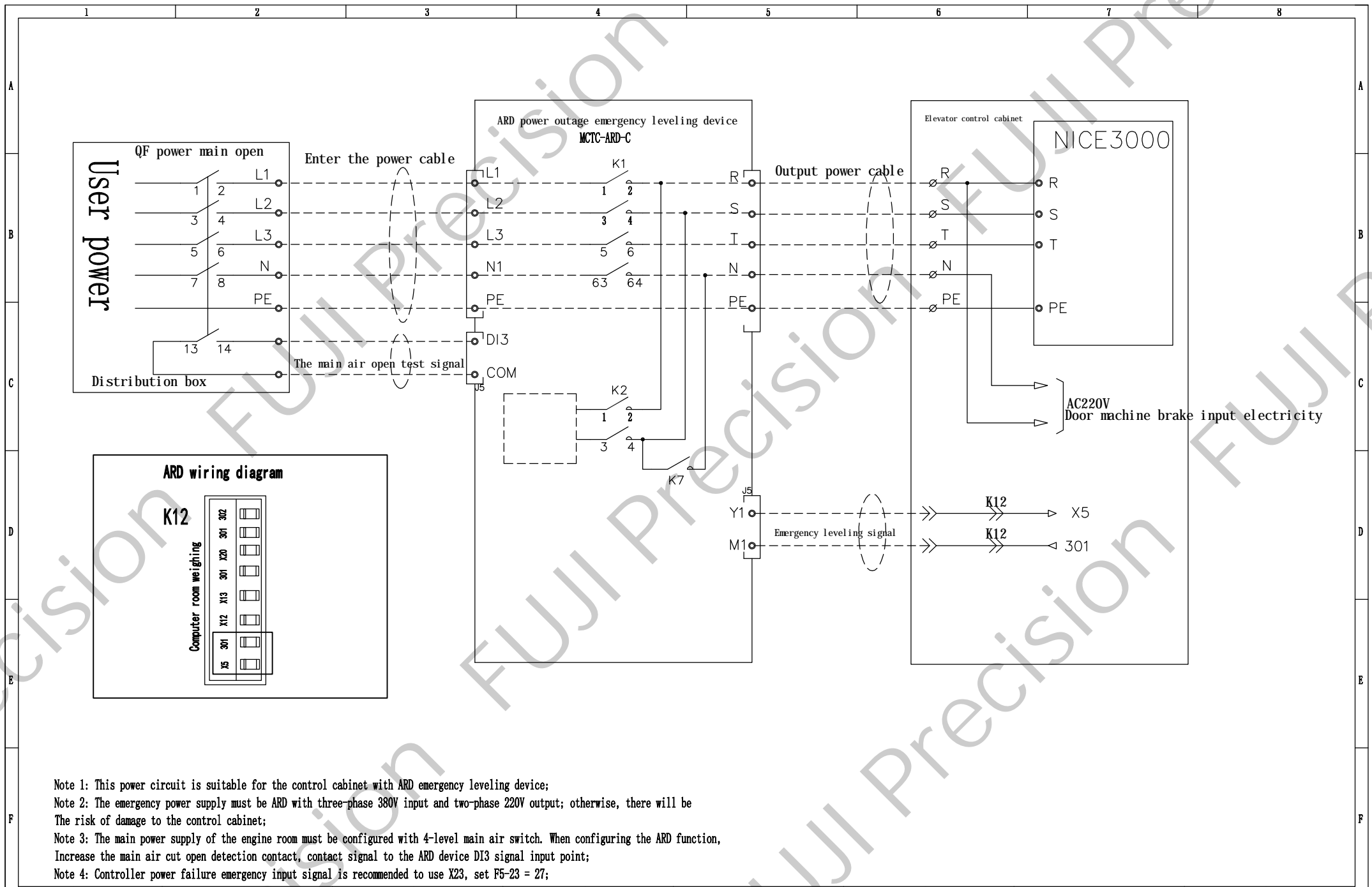
PT1	1	803
	2	805
	3	804
	4	
	5	111
	6	112

DB	1	301
	2	302 (GND)
	3	MOD+
	4	MOD-
	5	
	6	



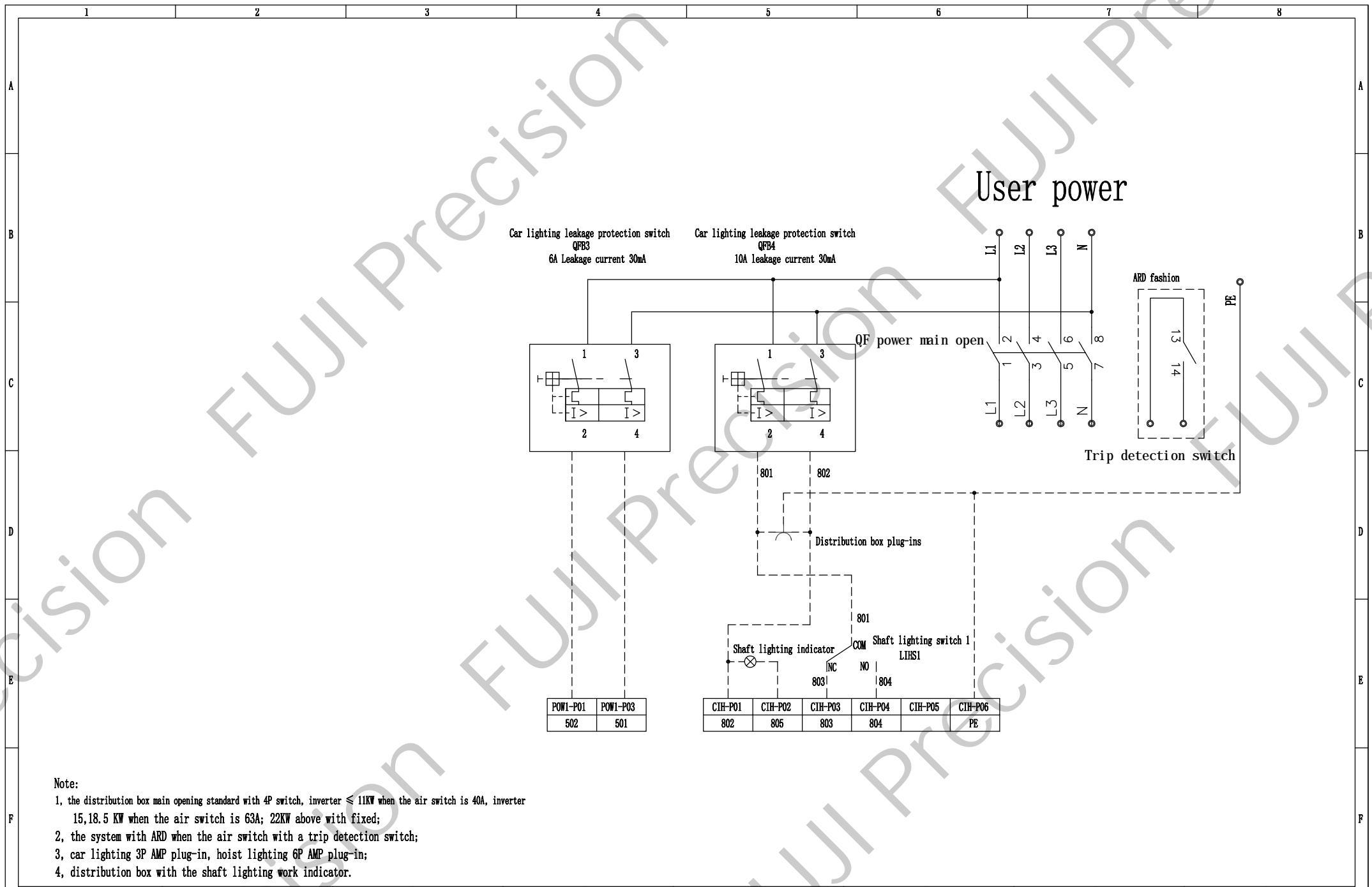
D1	Door open limit1, X3
D2	Door close limit1, X5
D3	Door open 1, Y2
D4	Door close1, Y3
D5	Ford-ed door close1, Y4
D6	-
D7	Door open limit2, X4
D8	Door close limit2, X6
D9	Door open2, Y5
D10	Door close2, Y6
D11	Forc-ed door close2, Y7
D12	-
D13	Light curtain1, X1
D14	Light curtain2, X2
D15	Safety edge1, X15
D16	Safety edge2, X16
D17	Fullload, X7
D18	Overload, X8
D19	Up leveling, X9
D20	Down leveling, X10
D21	-
D22	Normal/inspestion, X12
D23	Inspection up, X13
D24	Inspection down, X14
D25	Lighting, Y1
D26	Fan, Y11
D27	Sound and light alarm Y10
D28	CAN
D29	-
D30	POWER





Note 1: This power circuit is suitable for the control cabinet with ARD emergency leveling device;  
 Note 2: The emergency power supply must be ARD with three-phase 380V input and two-phase 220V output; otherwise, there will be the risk of damage to the control cabinet;  
 Note 3: The main power supply of the engine room must be configured with 4-level main air switch. When configuring the ARD function, increase the main air cut open detection contact, contact signal to the ARD device DI3 signal input point;  
 Note 4: Controller power failure emergency input signal is recommended to use X23, set F5-23 = 27;

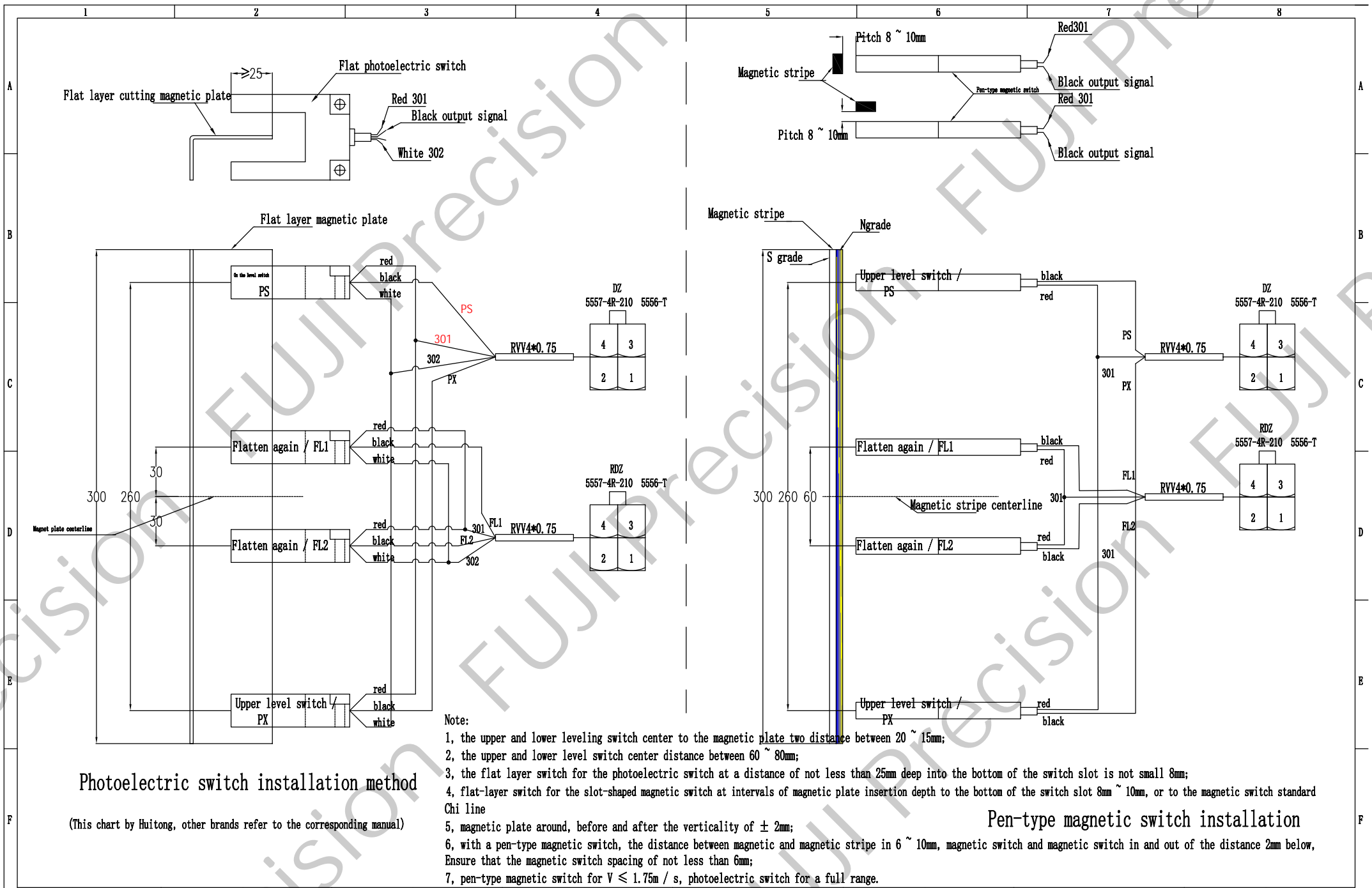
version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: ARD emergency leveling device circuit diagram	page number: P26
date: 2017.8.1							



**Note:**

- 1, the distribution box main opening standard with 4P switch, inverter  $\leq 11KW$  when the air switch is 40A, inverter 15, 18.5 KW when the air switch is 63A; 22KW above with fixed;
- 2, the system with ARD when the air switch with a trip detection switch;
- 3, car lighting 3P AMP plug-in, hoist lighting 6P AMP plug-in;
- 4, distribution box with the shaft lighting work indicator.

version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Distribution room distribution box	page number: P27
date: 2017.8.1							



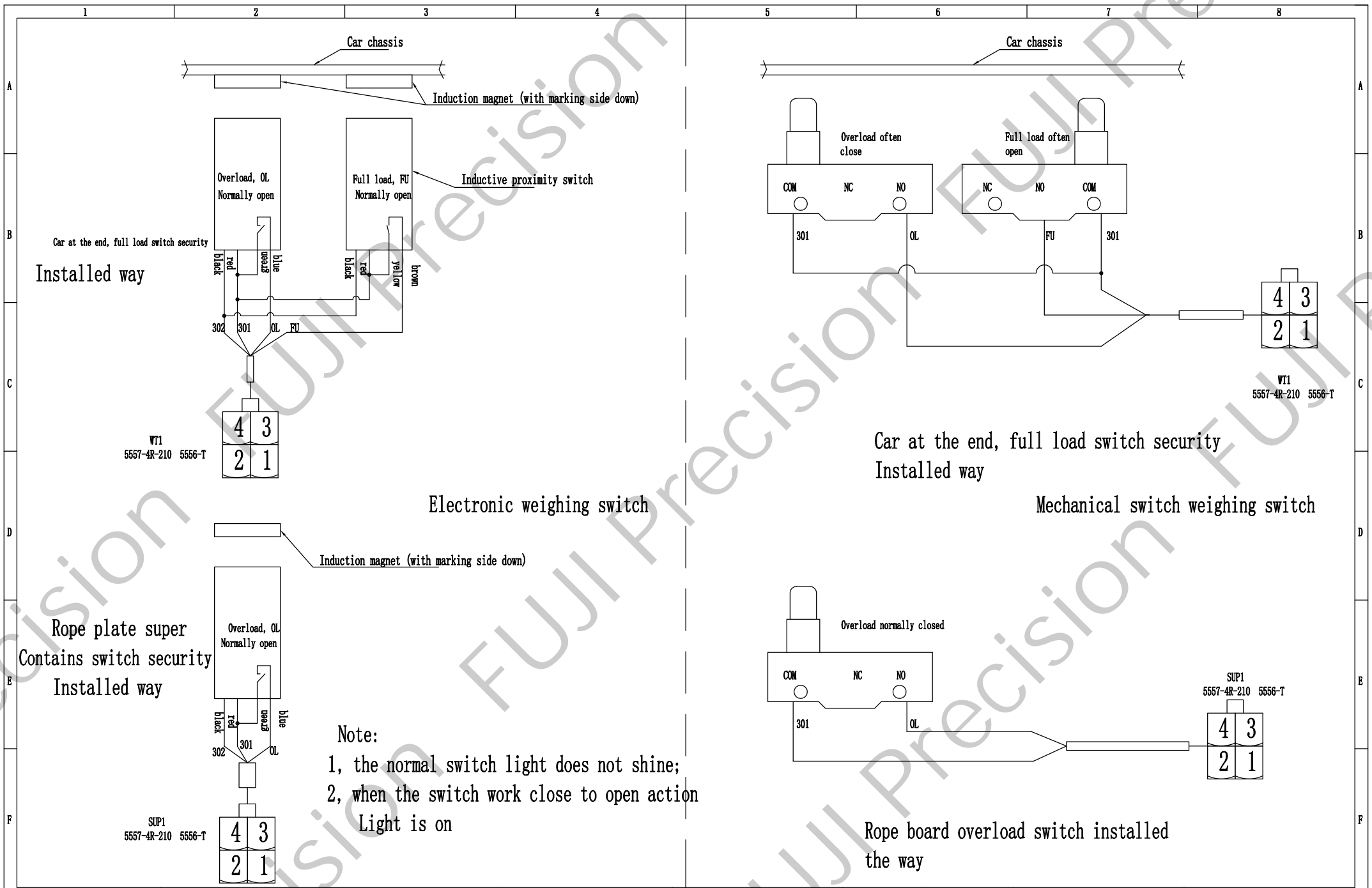
**Photoelectric switch installation method**

(This chart by Huitong, other brands refer to the corresponding manual)

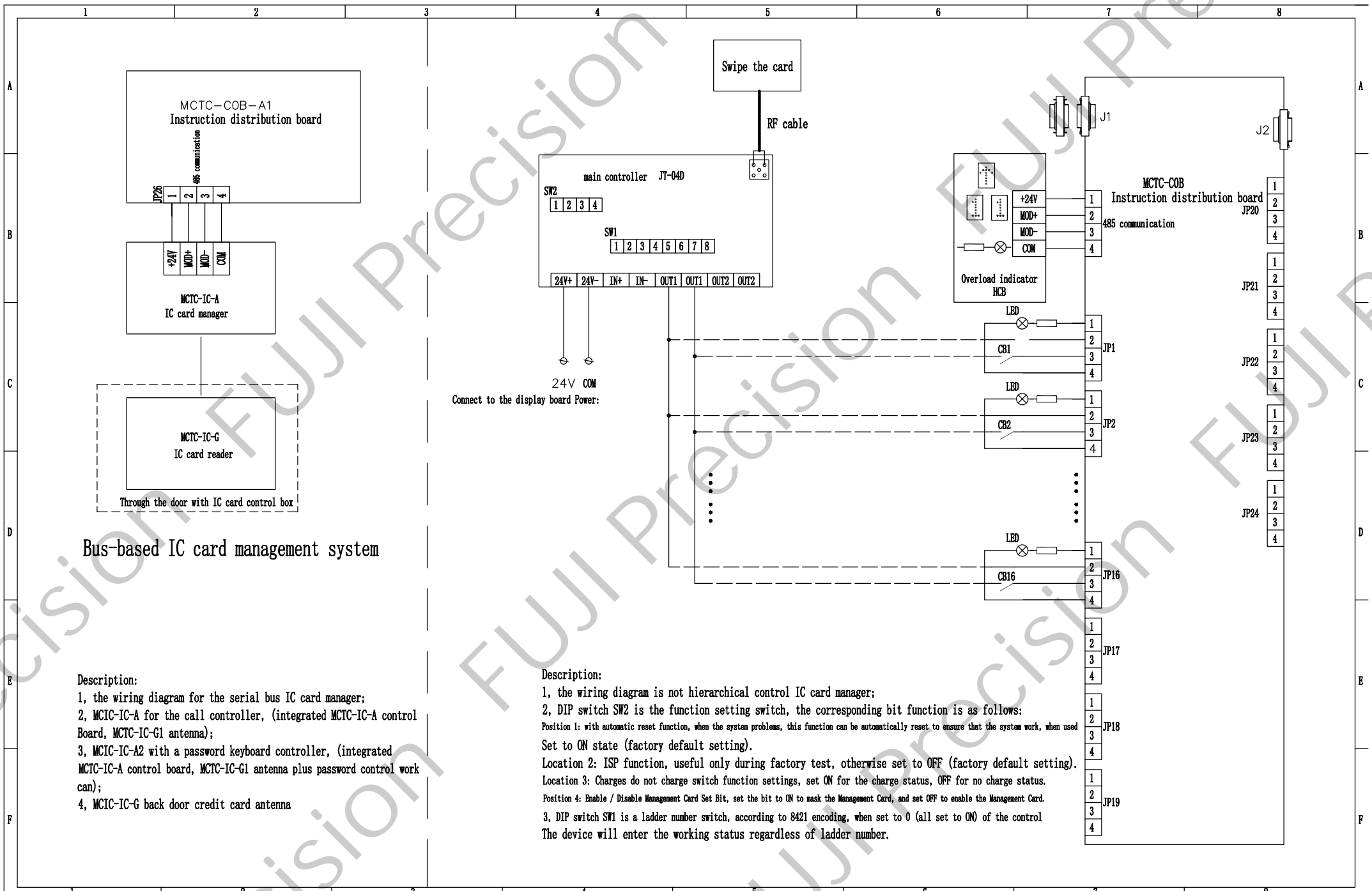
**Pen-type magnetic switch installation**

- Note:
- 1, the upper and lower leveling switch center to the magnetic plate two distance between 20 ~ 15mm;
  - 2, the upper and lower level switch center distance between 60 ~ 80mm;
  - 3, the flat layer switch for the photoelectric switch at a distance of not less than 25mm deep into the bottom of the switch slot is not small 8mm;
  - 4, flat-layer switch for the slot-shaped magnetic switch at intervals of magnetic plate insertion depth to the bottom of the switch slot 8mm ~ 10mm, or to the magnetic switch standard Chi line
  - 5, magnetic plate around, before and after the verticality of  $\pm 2$ mm;
  - 6, with a pen-type magnetic switch, the distance between magnetic and magnetic stripe in 6 ~ 10mm, magnetic switch and magnetic switch in and out of the distance 2mm below, Ensure that the magnetic switch spacing of not less than 6mm;
  - 7, pen-type magnetic switch for  $V \leq 1.75$  m / s, photoelectric switch for a full range.

version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: Flat photoelectric and sensor wiring diagram	page number: P28
date: 2017.8.1							



Note:  
 1, the normal switch light does not shine;  
 2, when the switch work close to open action  
 Light is on



### Bus-based IC card management system

**Description:**

- 1, the wiring diagram for the serial bus IC card manager;
- 2, MCIC-IC-A for the call controller, (integrated MCTC-IC-A control Board, MCTC-IC-G1 antenna);
- 3, MCIC-IC-A2 with a password keyboard controller, (integrated MCTC-IC-A control board, MCTC-IC-G1 antenna plus password control switch can);
- 4, MCIC-IC-G back door credit card antenna

**Description:**

- 1, the wiring diagram is not hierarchical control IC card manager;
- 2, DIP switch SW2 is the function setting switch, the corresponding bit function is as follows:  
 Position 1: with automatic reset function, when the system problems, this function can be automatically reset to ensure that the system work, when used Set to ON state (factory default setting).  
 Location 2: ISP function, useful only during factory test, otherwise set to OFF (factory default setting).  
 Location 3: Charges do not charge switch function settings, set ON for the charge status, OFF for no charge status.  
 Position 4: Enable / Disable Management Card Set Bit, set the bit to ON to mask the Management Card, and set OFF to enable the Management Card.
- 3, DIP switch SW1 is a ladder number switch, according to 8421 encoding, when set to 0 (all set to ON) of the control The device will enter the working status regardless of ladder number.

EMK-BP110型  
Electric brake release device

- start up button
- Public button
- Forced button

Suitable for holding brake voltage DC110V type holding brake.

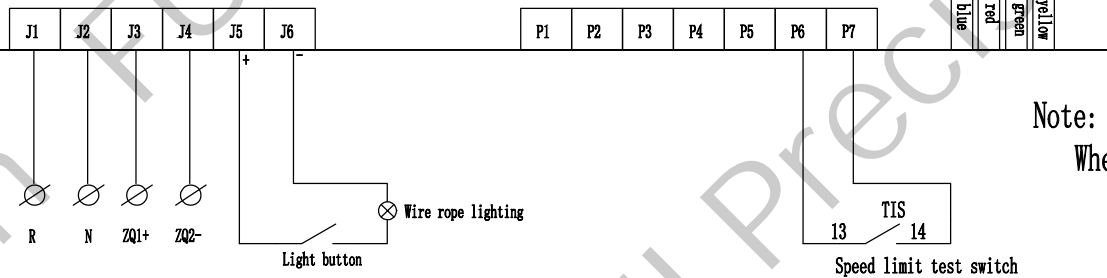
Indicator:

Blue light --- door area indicator (the door area becomes bright when the position)

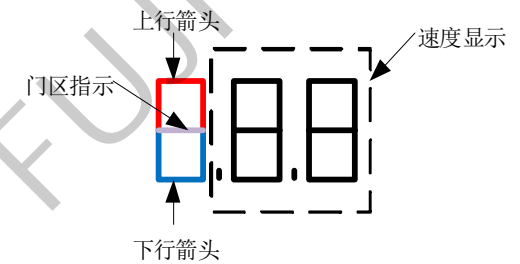
Red light --- boost lamp (output voltage becomes bright)

Green light --- run indicator (light up during normal operation)

Yellow light --- charge indicator (light when charging status)



Emergency and test operation screen display Description:



The emergency and test operating screens show the trigger instructions:

- 1, when there is mains, operate the main control panel keypad to enter the F-D interface;
- 2, no electricity or manually cut off the power, the door can be opened to enter

F-D monitoring interface.

Note: When the speed is lower than 1.0M / S. Display "XX M / S";  
When the speed is higher than 1.0M / S. Display "X.X M / S";  
The location of the decimal point is different.

Instructions:

① When 220VAC exists, there will be no step-up voltage output in the power supply of the brake, and the internal circuit is isolated from the external brake circuit.

② When 220VAC does not exist, make sure the peripheral wiring is correct, and set the control cabinet "speed limiter test switch" to "ON".

- 1): When running green "running indicator" long off, you need to press the "start button", the release of the internal circuit power supply operation, then the green "running indicator" will flash
- 2): In the non-gate position, press "Forcing Button" and "Common Button" at the same time, the power supply of the brake is activated and the boost circuit is activated. At this time, the green "Running Indicator" will flash and the "Red Boost Indicator" Brighten. Solenoid power supply output an excitation voltage 110VDC, the brake coil is energized, open the brake, the elevator moves.
- 3) Release the "Forcing button" or "Public button" when emergency boost output is required, so the power will be stopped immediately after the brake is released. The brake coil will lose power and the elevator will stop moving.
- 4): Run up to 5 minutes after each output is started. Can prevent button adhesion, can not stop the output. When the trigger, if there is no button pressed, the circuit will be automatically shut down within 30 seconds, waiting for the next trigger.
- 5): Operation and low pressure alarm indicator, the circuit is working properly, the operation indicator will flash. By running the indicator light flashing can be observed whether the brake power is in normal operation. After the emergency rescue, the control cabinet "governor switch" must be set to "OFF".

Indicator definition:

Output indicator definition (left to right):

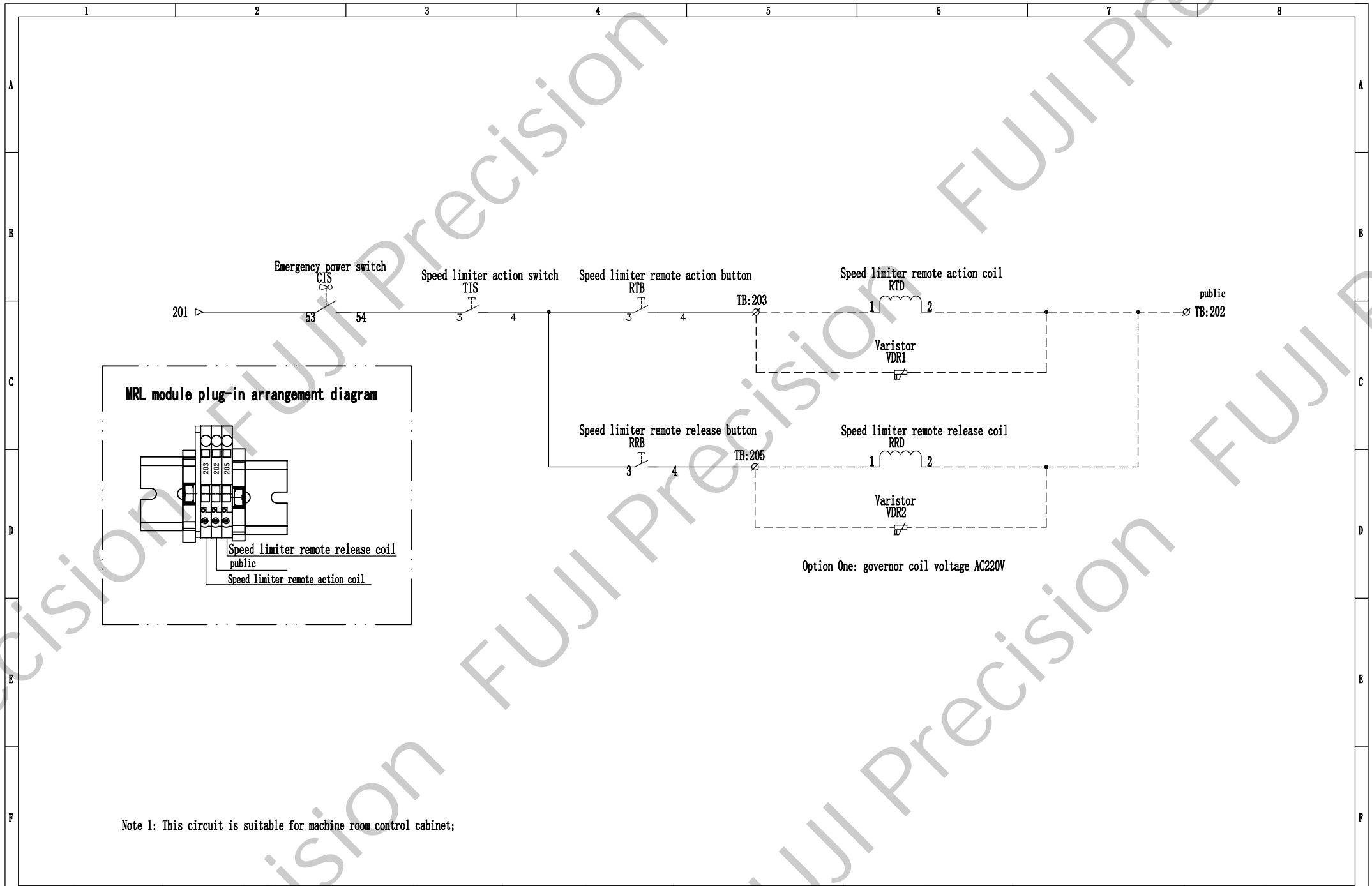
The first blue light (door zone indicator): no such function (the main control panel has integrated power failure status signal display leveling signal).

The second red light (boost lamp): When the boost, this light will be bright, red. On the contrary extinguished, red LED lights.

The third green light (running and low pressure alarm indicator): When the battery is not low pressure alarm, the light is green, green LED flashes, whereas the green light is not flashing.

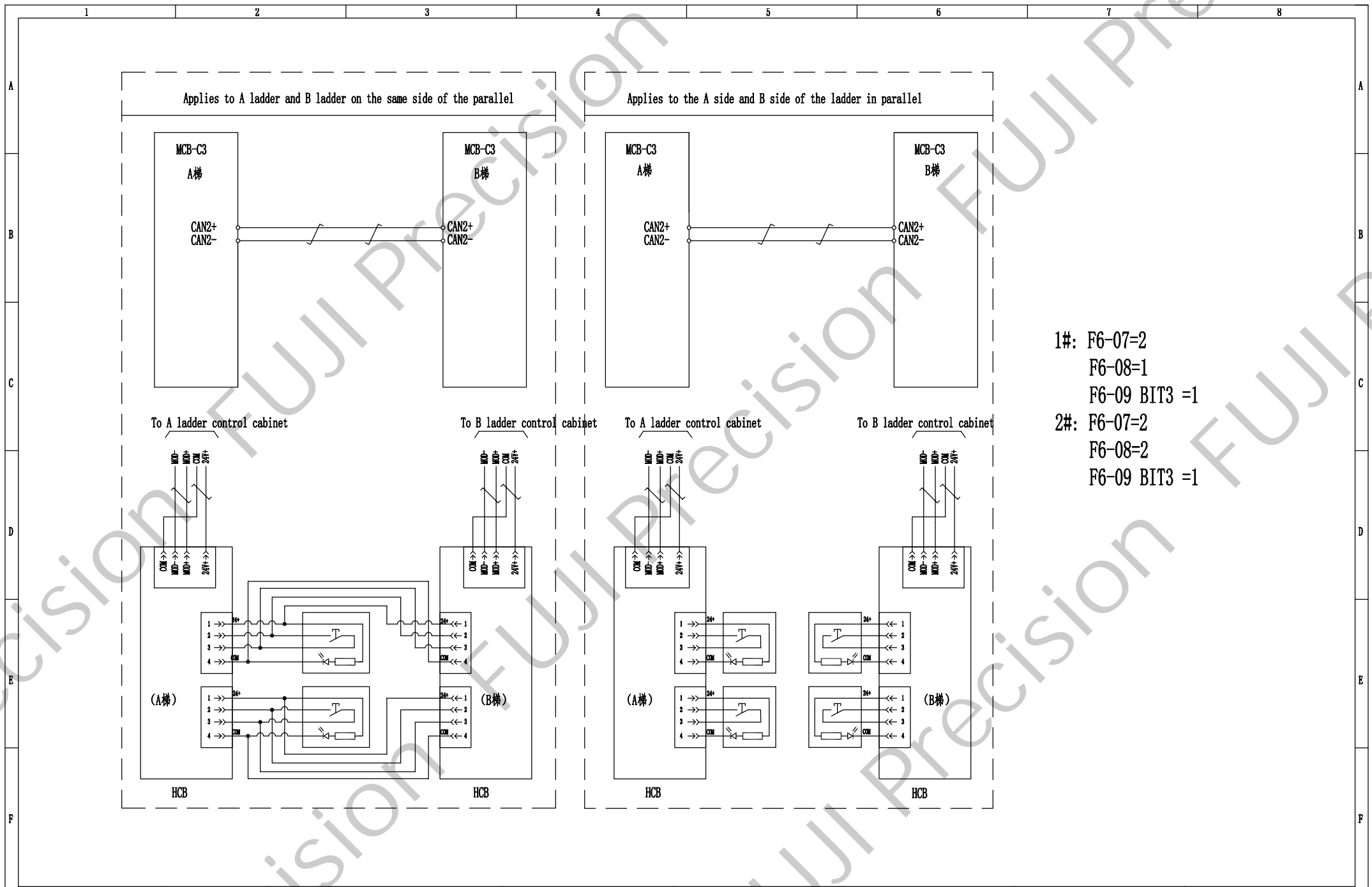
The fourth yellow light (charging indicator): When the battery is not full, this light will flash, yellow. When the battery is full, this light is always on, indicating that the battery is fully charged.

version: A	design:	standardization:	Audit:	Approved:	Figure number: MG11001AB	Drawing Name: No room electric brake schematic	page number: P31
date: 2017.8.1							



Note 1: This circuit is suitable for machine room control cabinet;

version: A	design:	standardization:	Audit:	Approved:	Figure number:	Drawing Name:	page number:
date: 2017.8.1					MG11001AB	No room limiter remote action reset schematic	P32



1#: F6-07=2  
 F6-08=1  
 F6-09 BIT3 =1  
 2#: F6-07=2  
 F6-08=2  
 F6-09 BIT3 =1