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NICE3000 Elevator KNWC-KZG-D4 Plug-in Board

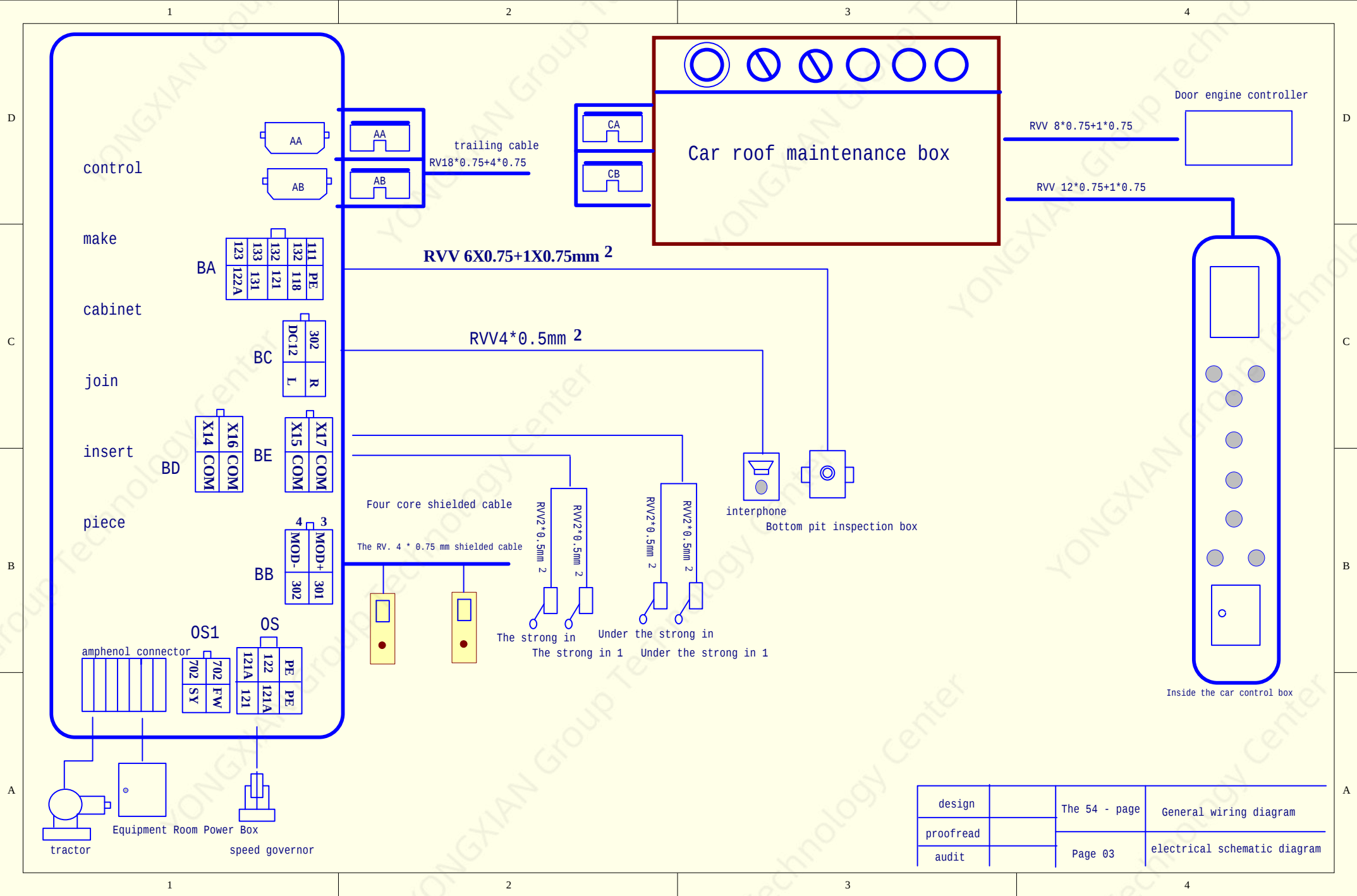
Electrical Schematic Diagrams

MON-ES-K-D-005-C-V1.0-2025-0013

Menak -KWNC-KZG-4D plug-in board - Electrical schematic directory

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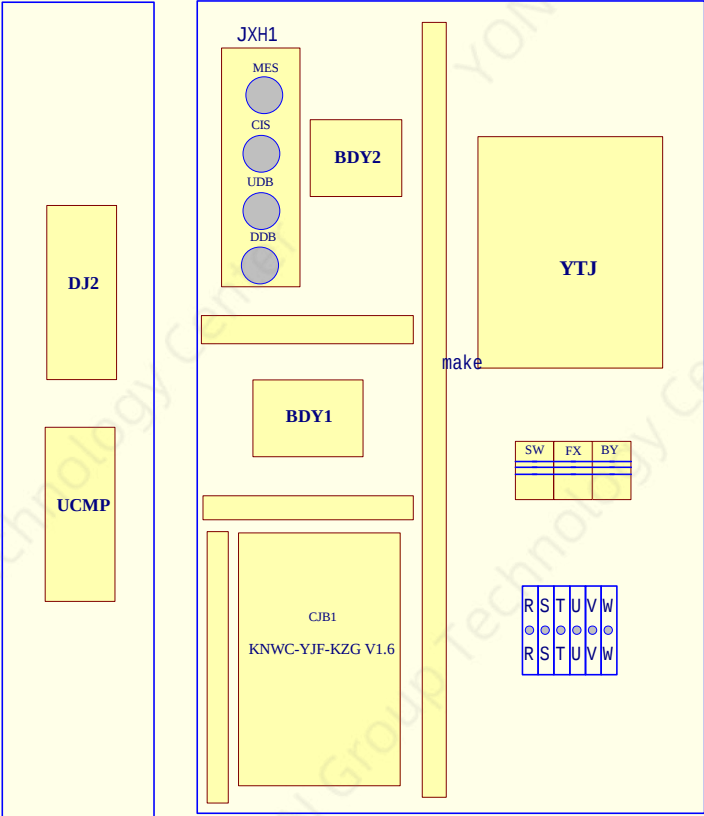
5.5KW-30KW elevator control cabinet layout diagram is available in the machine room

Control cabinet left
Side of the layout

Layout diagram of components
on the mainboard

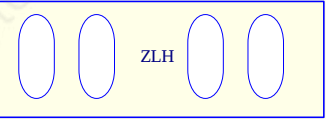
Control cabinet to the right

Side of the layout Control cabinet door layout diagram



OI operating instructions
1. Emergency rescue instructions
and safety pliers linkage
Instructions for overrunning
and emergency electric operation
2. Instructions for door bypass
and accidental movement
Domestic projects in Chinese
export projects in English

Drawings and data boxes



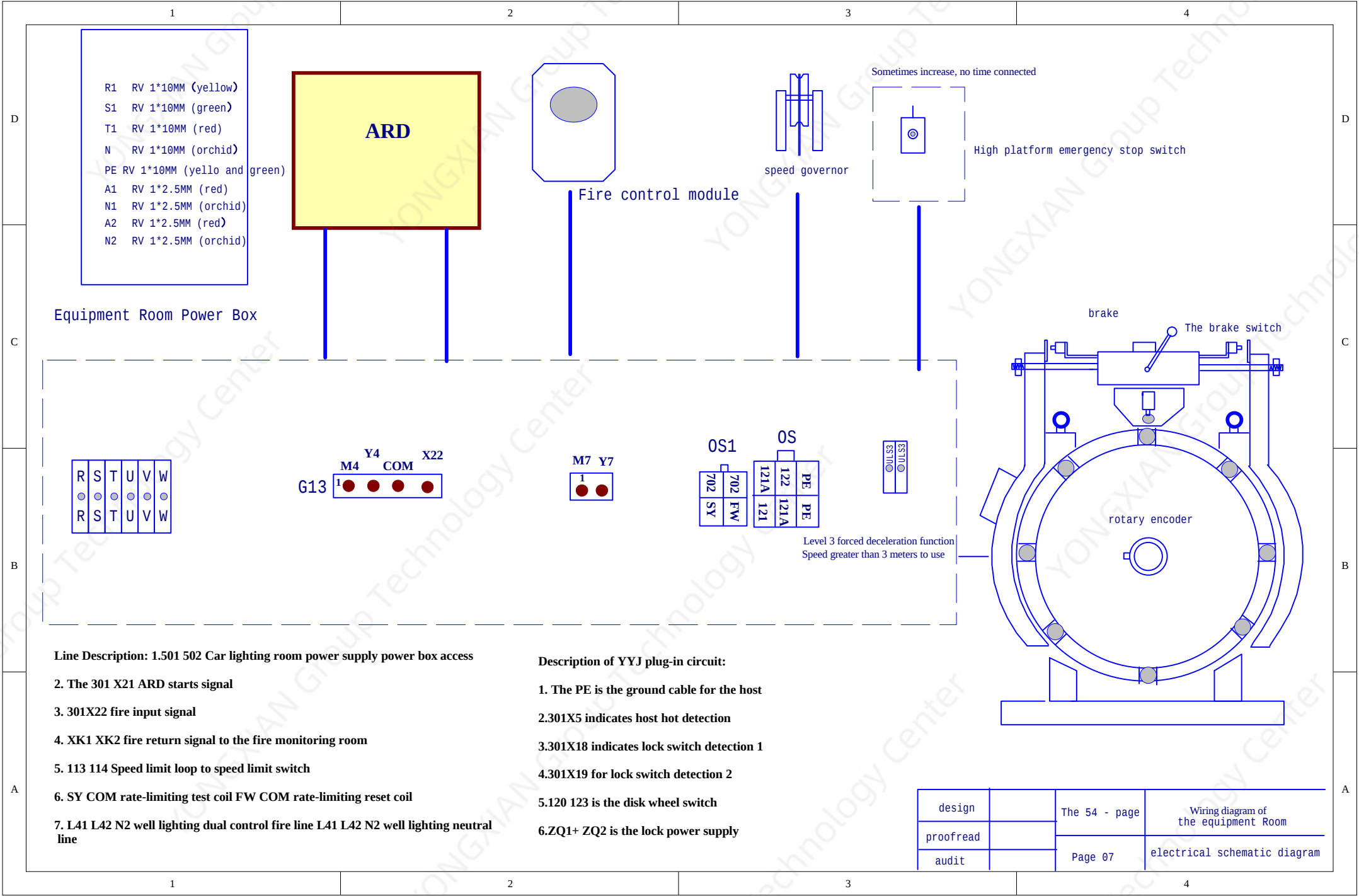
Components code	Name of the element	Components that
YTJ	All-in-one inverter	Murnak/Sunstar
GCK	inspection window	Loosing brake for observation
SW	Running contactor	LC1 N32-125
BY	Lock contactor	LC1 N09
FX	Star seal contactor	LC1 N09
CJB1	Control cabinet plug-in board	KNWC-YJF-KZG V1.6
JDP1	Ground bar of the control cabinet	5-bit ground bar
DZ	Terminal block of control cabinet	Power and wiring terminals
BDY1	potential transformer	Door machine, lock
DJ2	Room intercom	NBT12(1-1)A
JXH1	Control cabinet overhaul box	Components that
BDY2	switching power supply	24 v power supply
UCMP	Accidental plate	Each system ucmp

Control cabinet bottom layout diagram



Drawing code notes						symbol description			Description of main engine and frequency converter	
Q1-Qn+1	air switch	KXF	fire control	KJH	car buffer		normally-closed contact	 button	Integrated controller NICE 3000	
F1-F+n	fusible cutout	KCZ	overload	KDH	Counterweight buffer		normally open contact			
BDY1-BDY+N	power transformer	KMZ	full load	KDT	Its top urgent stop		insurance	 rotate encoder	Roof communication panel MCTC-CTB-B	
JXX	phase rotation relay	XGM	Close the door limit	KXT	The car to stop		Along with the cable			
RZ	brake resistor	XKM	door open limit	KAQ	Safety clamp switch		diode	 electrical machinery	Instruction board in sedan MCTC-CCB-A	
CBZ	Lock contactor	AGM	door close button	KAC	Safety window switch		resistance			
CZC	Power output contactor	AKM	door open button	KFT	Computer room scram		air fan	 The brake coil	Control cabinet plug-in board KNWC-KZG-4D	
KBZ	Locking mechanical switch	KGM	Light screen or touch pad	KJM	car door lock		optoelectronic switch			
KZC	Speed limiter test device	KXX	lower limit	KTM1-----KTMn	Hall door locks		key switch	 passing chime		
KFW	Speed limiter reset button	KSX	ceiling	KST	Ladder lock switch		buzzer	 travel switch		
KSY	Speed limiter manual switch	KXH	Forced speed change	SJX	lines superiors		terminal			
KXQ	Speed limiter reset device	KSH	On force change speed	XJX	limit inferior		Terminal block plug-in	 connector clip		
ZCW	Speed limiter test button	KXH1	Down force change speed1	BZ	The brake coil		indicator light			
KFJ	Emergency electric operation	KSH1	On force change speed 1	ZJF	Computer room socket		coil			
AFS	Computer room upside	GMQ	mun	ZJD	Its top outlet		ground connection			
AFX	Computer room downward	KSSX	Upstream overspeed protection switch	ZDK	Bottom hole socket		node			
KDJ	The car roof repair	KXS	speed governor	ZJX	car illumination					
ADS	On the top of the car line	KTT	Hall door stop	ZFS	car fan					
ADX	The car top down	KKT	Pit stop	ZKM	Car lighting switch					
KSJ	driver	KZS	Rope pulley switch	ZKS	Car fan switch					
KZS	lay a course			DMO	Door machine power supply					

design		The 54 - page	Symbols that
proofread		Page 06	electrical schematic diagram
audit			



Line Description: 1.501 502 Car lighting room power supply power box access

- 2. The 301 X21 ARD starts signal
- 3. 301X22 fire input signal
- 4. XK1 XK2 fire return signal to the fire monitoring room
- 5. 113 114 Speed limit loop to speed limit switch
- 6. SY COM rate-limiting test coil FW COM rate-limiting reset coil
- 7. L41 L42 N2 well lighting dual control fire line L41 L42 N2 well lighting neutral line

Description of YYJ plug-in circuit:

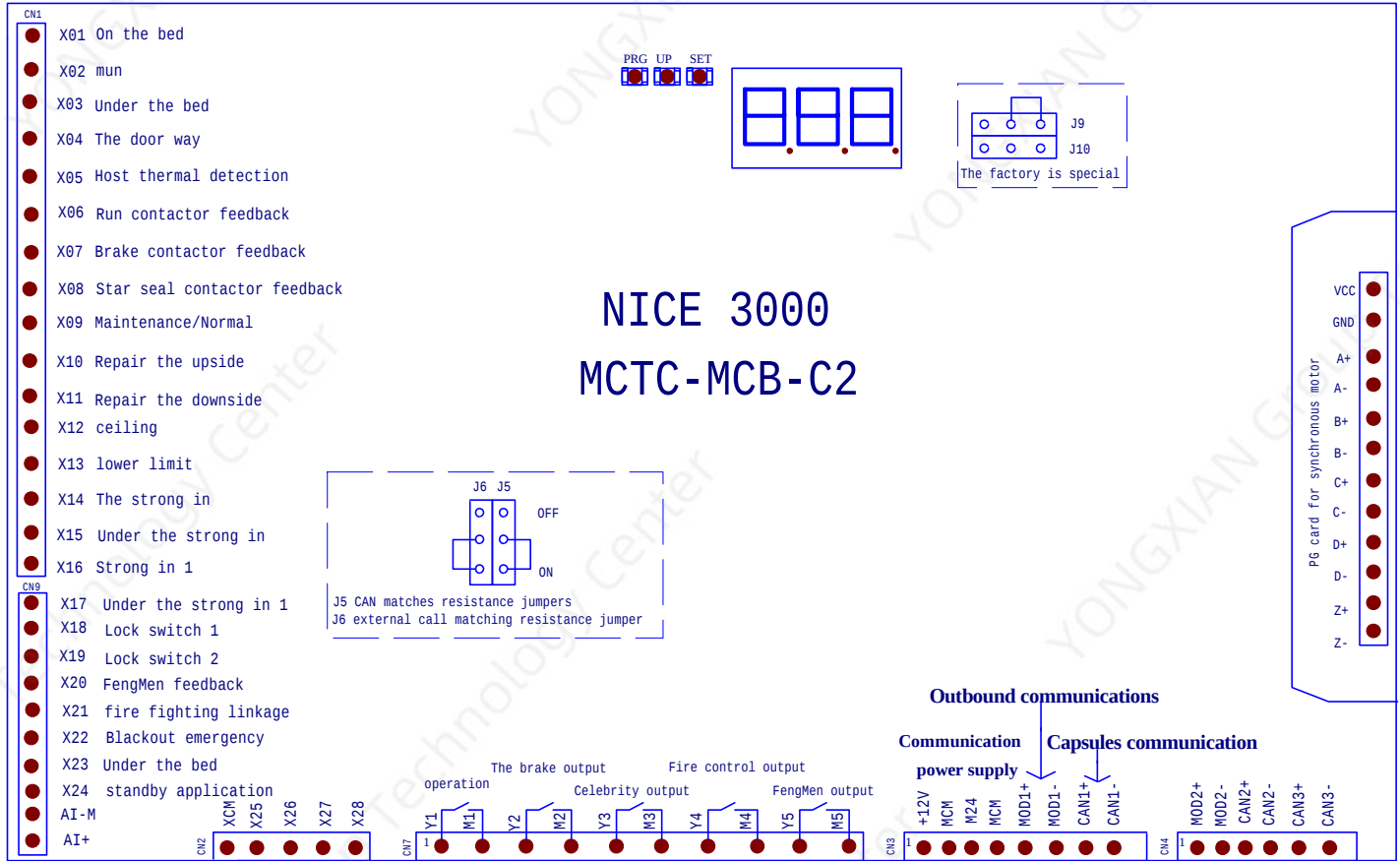
- 1. The PE is the ground cable for the host
- 2.301X5 indicates host hot detection
- 3.301X18 indicates lock switch detection 1
- 4.301X19 for lock switch detection 2
- 5.120 123 is the disk wheel switch
- 6.ZQ1+ ZQ2 is the lock power supply

design		The 54 - page	Wiring diagram of the equipment Room
proofread		Page 07	electrical schematic diagram
audit			

The main port	Parameter value of a function point	The main port	Parameter value of a function point
X1 - flat on the floor	NO:1/NC:33	X12 - cap	NO:12/NC:44
X2 - mun	NO:3/NC:35	X13 - lower limit	NO:13/NC:45
The X3 - the next layer	NO:2/NC:34	X14 - on slowing down	NO:16/NC:48
X4 - door way	NO:86/NC:118	Under X15 - slow down	NO:17/NC:49
X5- Thermal switch	NO:67/NC:99	X16 minus deceleration up one	NO:18/NC:50
X6- Run feedback	NO:2/NC:34	X17- Slow down one	NO:19/NC:51
X7- Lock feedback	NO:7/NC:39	X18- Lock switch 1	NO:26/NC:58
X8- Star closure feedback	NO:30/NC:62	X19- Lock switch 2	NO:78/NC:110
X9 - maintenance	NO:8/NC:40	X20- Closed-door feedback	NO:22/NC:54
X10 - upward	NO:9/NC:41	X21- Fire protection input	NO:11/NC:43
X11 - downward	NO:10/NC:42	X22- Power failure emergency	NO:27/NC:59

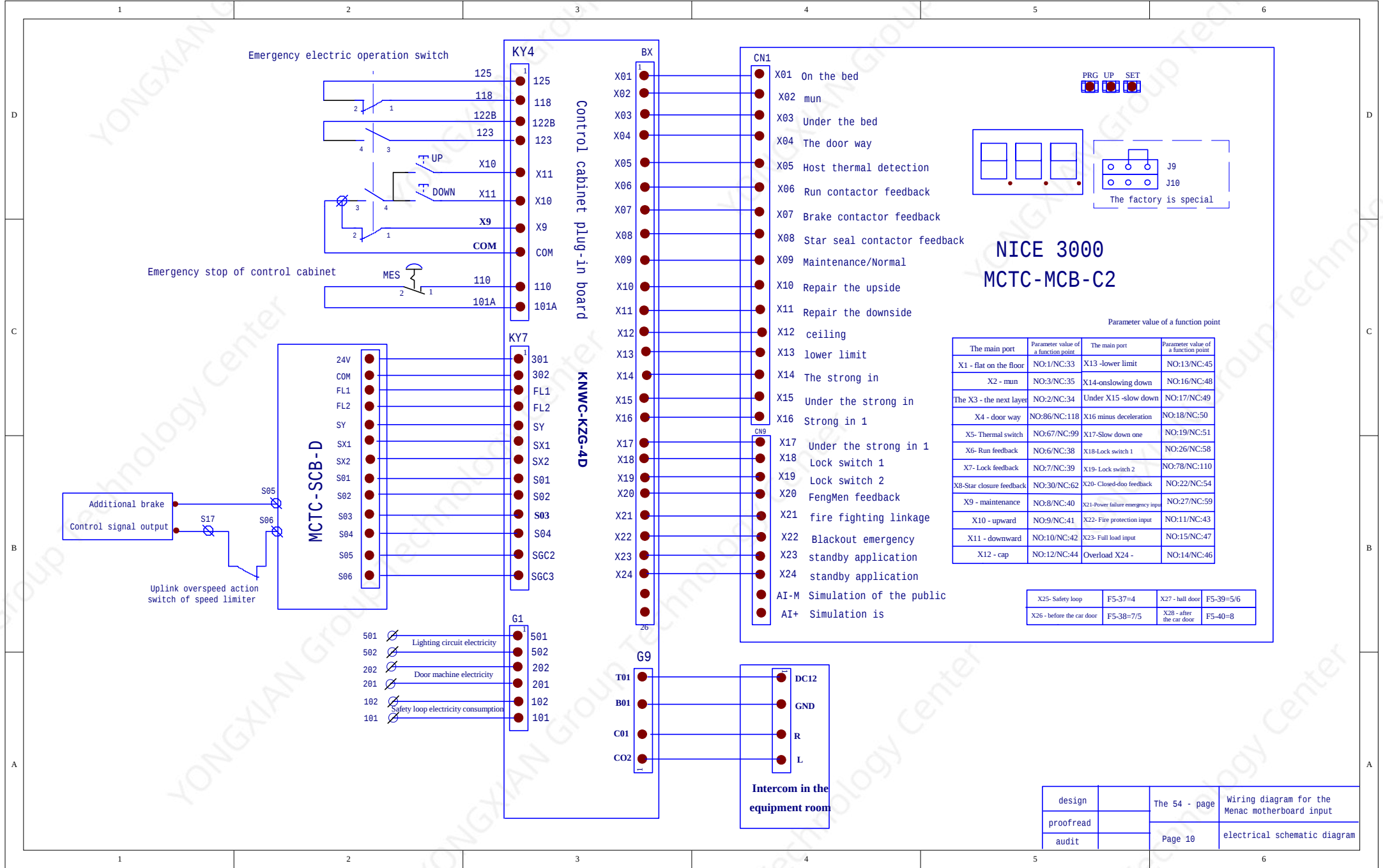
The main port	Parameter value of a function point
Y1 - run	F5-26: 1
Y2 - brake	F5-27: 2
Y3 - star	F5-28: 12
Y4- Fire back to base	F5-29: 4
Y5 - FengMen	F5-30: 3

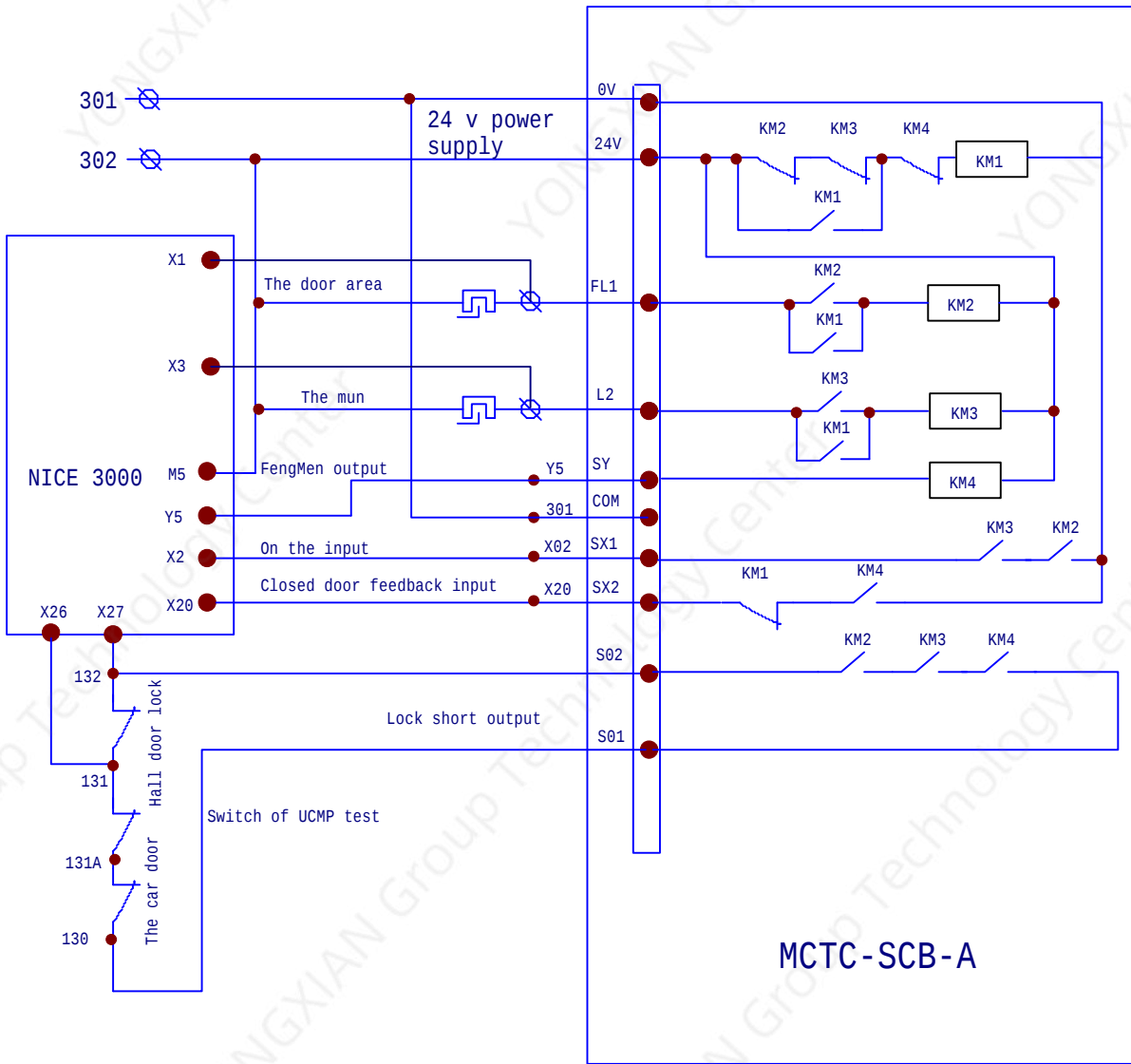
Simulation of the public
Simulation is



Port diagram of the Menac mainboard

design		The 54 - page	
proofread		Page 08	electrical schematic diagram
audit			





When testing UCMP function, it is necessary to cut off the door lock to the main board of the control cabinet when the hall car door is closed

Signal, analog lock disconnection. Therefore, it is necessary to connect a test switch in front of the door lock loop (see the previous figure).

During the test, close the car door and manually cut off the magnetic switch to simulate the disconnection of the door lock.

UCMP test procedures

1. The maintenance switch is effective, the elevator stops at the door area, and the function code keypad is set f-8.

Enable the UCMP test function

2. Disconnect the manual switch to disconnect the door lock signal into the system;
3. Manually press the upward or downward button for maintenance, output of door sealing contactor and short-circuit door lock.

At this time the elevator normal maintenance start operation;

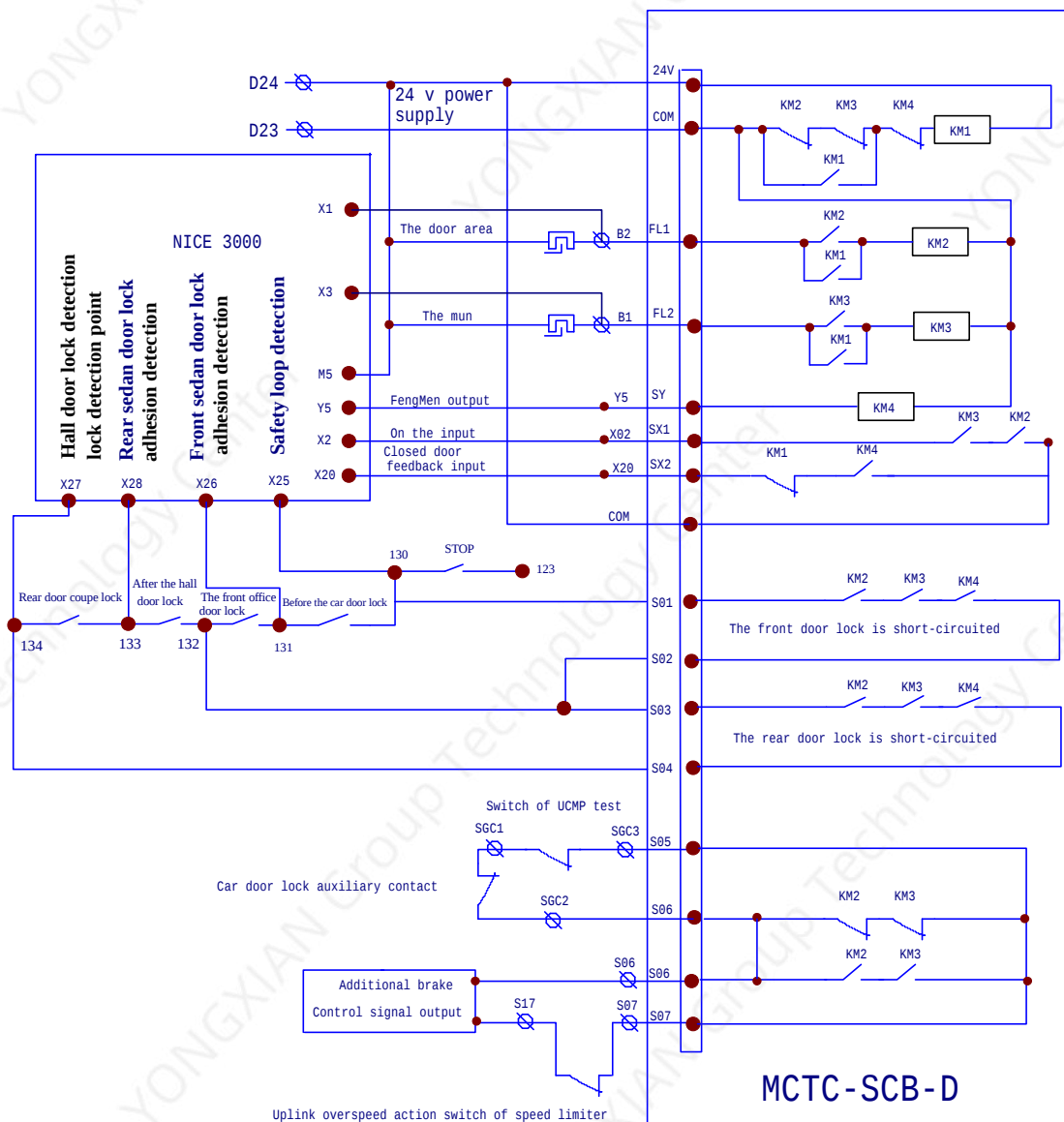
4. After the elevator runs out of the door, the UCMP module outputs protection, and then the elevator package E65(UCMP failure)

UCMP Reset steps:

1. Scb-c scheme: in the maintenance state, reset the additional brake first, then reset the test switch, and then set Main board keypad F2=1, clear the fault; The system automatically closes the door and returns to the level parking.

Note: Used for synchronous unexpected movement

design		The 54 - page	Synchronous motor UCMP loop
proofread			
audit		Page 15	electrical schematic diagram



Note: Double door machine and asynchronous accidental movement for use

When testing UCMP function, it is necessary to cut off the door lock to the main board of the control cabinet when the hall car door is closed

When testing UCMP function, it is necessary to cut off the door lock to the main board of the control cabinet when the hall car door is closed

During the test, close the car door and manually cut off the magnetic switch to simulate the disconnection of the door lock.

UCMP test procedures:

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1. The maintenance switch is effective, the elevator stops at the door area and the function code keypad is set f-8.

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2. Disconnect the manual switch to disconnect the door lock signal into the system;
3. Manually press the upward or downward button for maintenance, output of door sealing contactor, and short-circuit door lock.

At this time the elevator normal maintenance start operation;

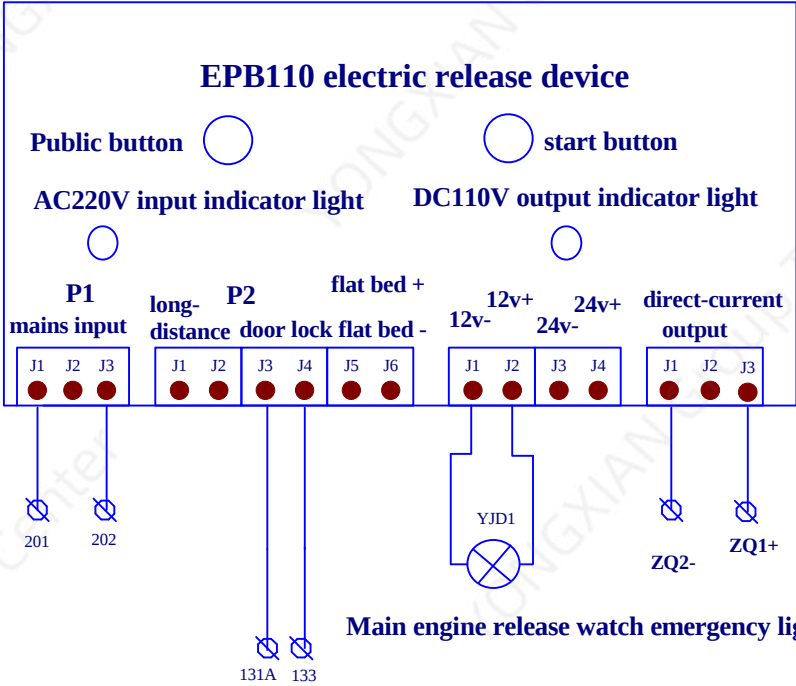
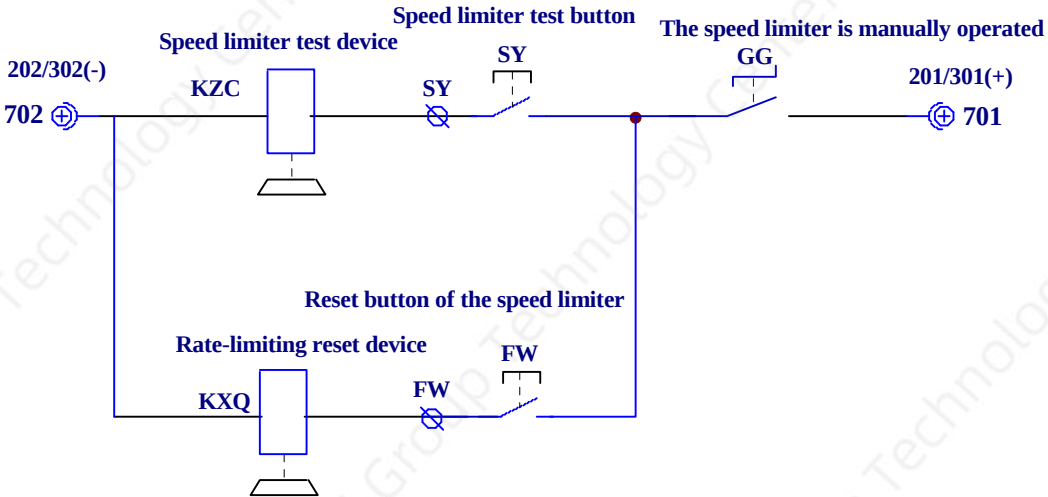
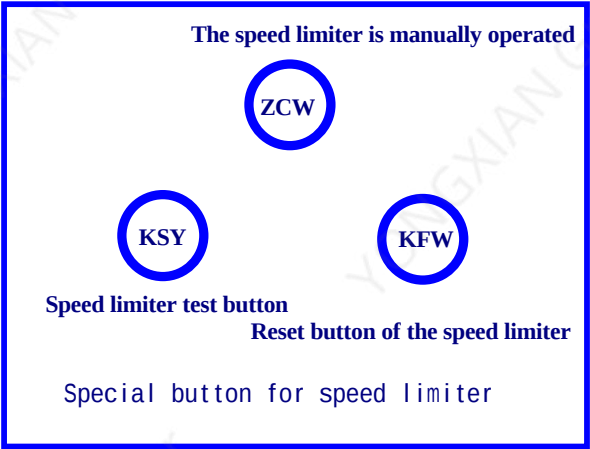
4. After the elevator runs out of the door, the UCMP module outputs protection, and then the elevator package E65(UCMP failure)

UCMP Reset steps:

1. Scb-c scheme: in the maintenance state, reset the additional brake first then reset the test switch, and then set

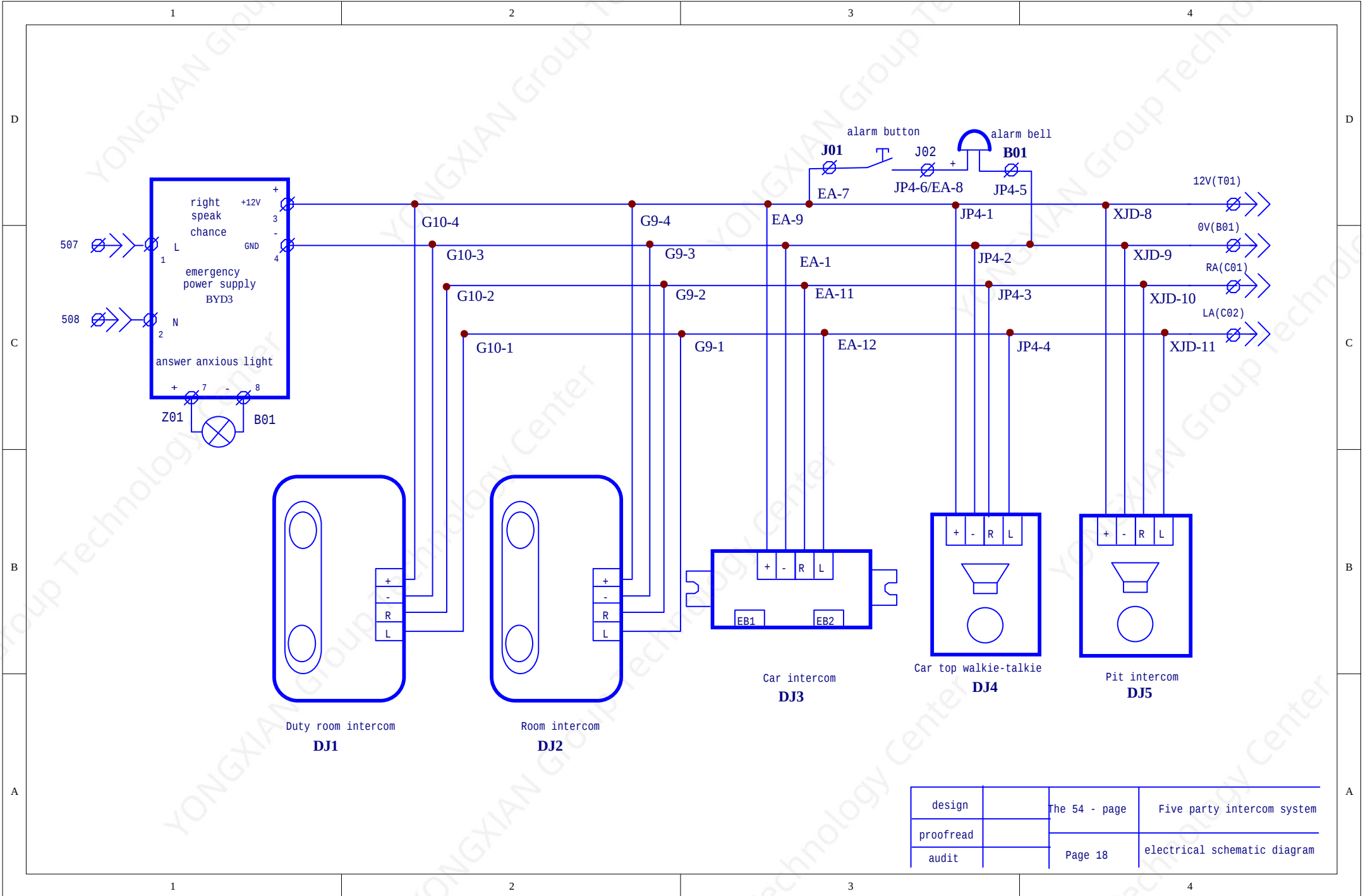
Main board keypad F2=1, clear the fault; The system automatically closes the door and returns to the level parking.

design		The 54 - page	Through-gate UCMP loop
proofread		Page 16	electrical schematic diagram
audit			

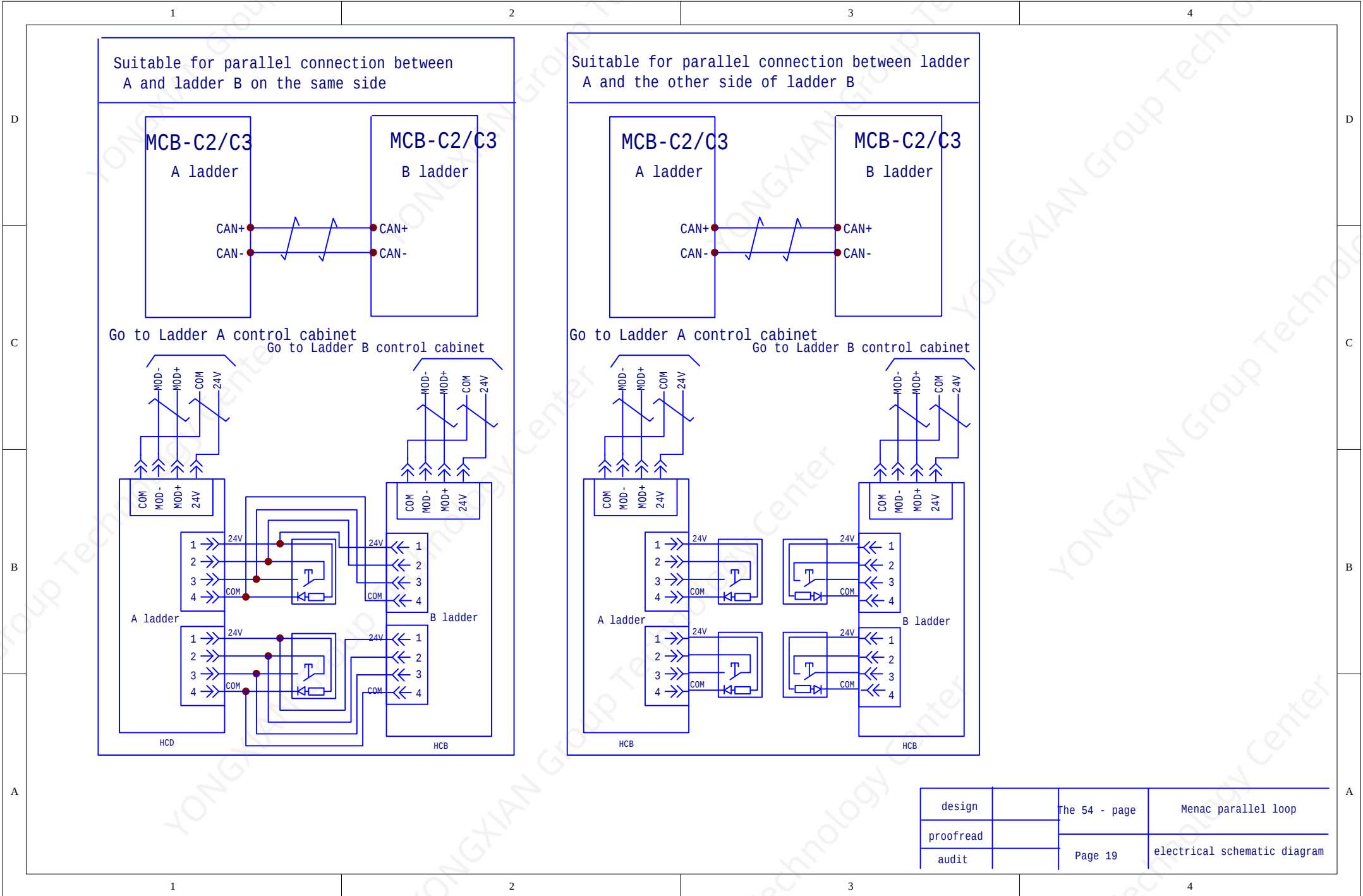


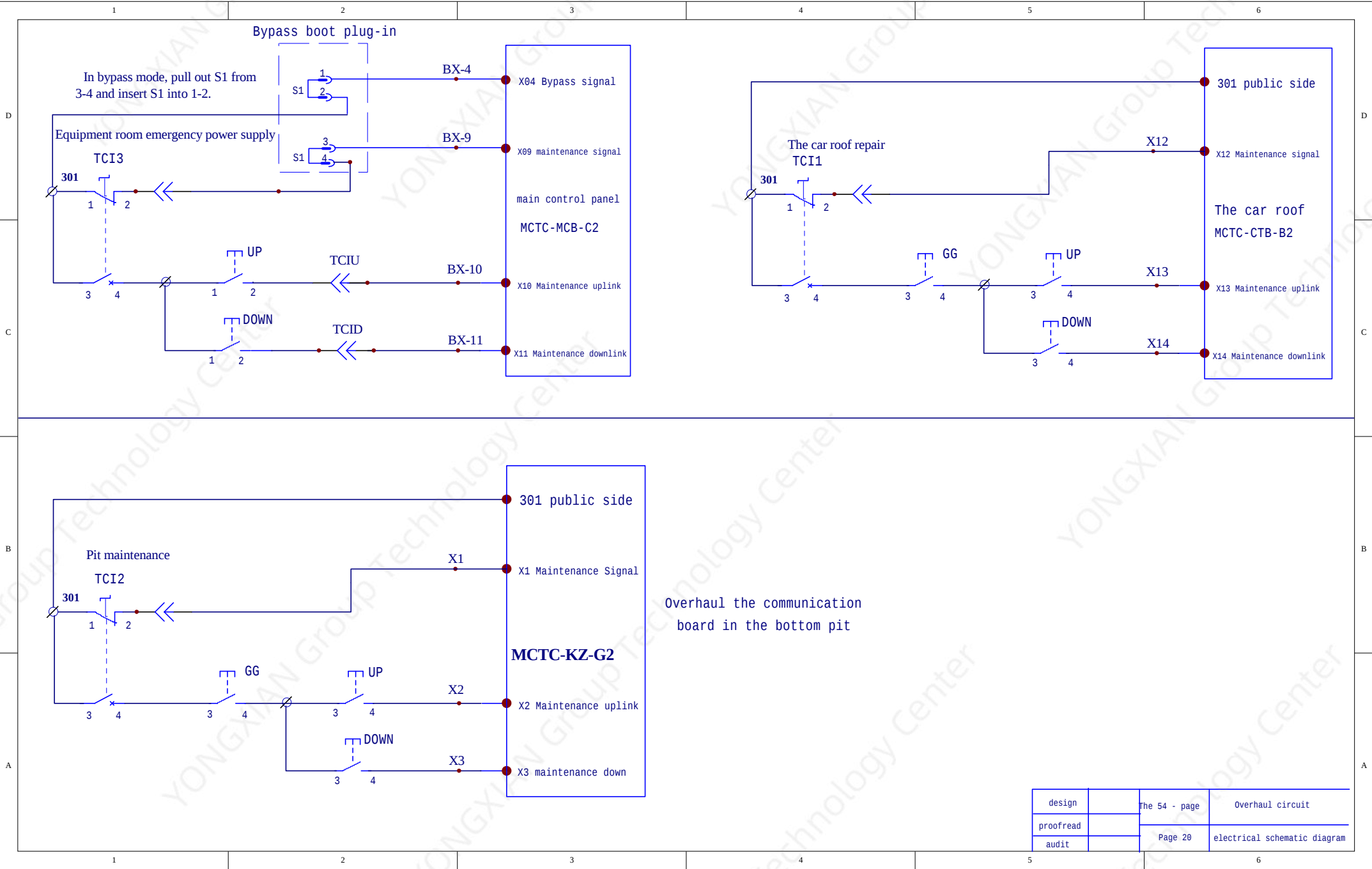
Note: 701/702/SY/FW is the line code of the speed limiter.
If the speed limiter voltage is 220V, connect 701/702 to 201/202.
If the speed limiter voltage is 24V, connect 701/702 to 301/302.

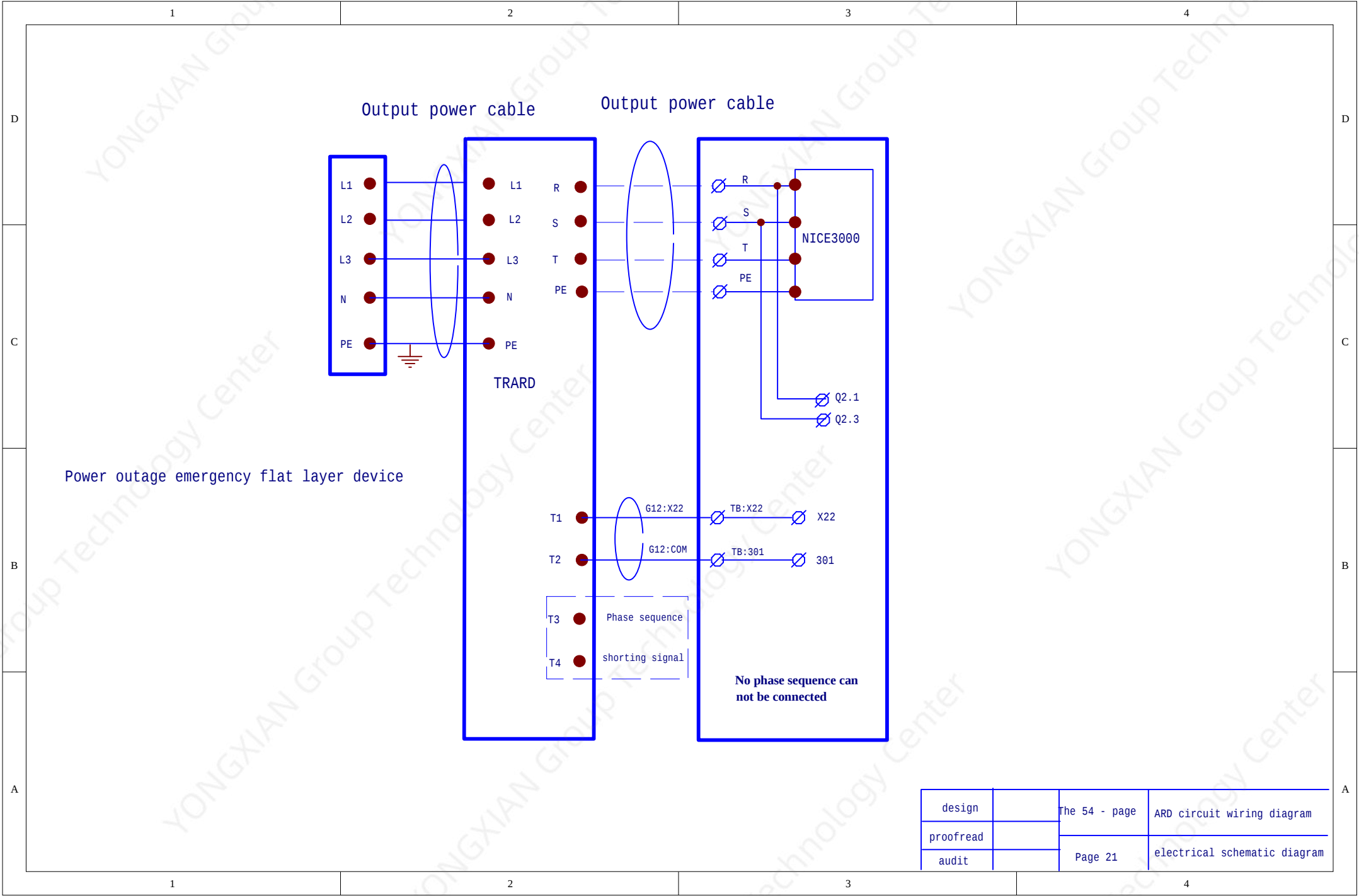
design		The 54 - page	Circuit diagram of speed limiter and electric loose brake
proofread		Page 17	electrical schematic diagram
audit			



design		The 54 - page	Five party intercom system
proofread		Page 18	electrical schematic diagram
audit			

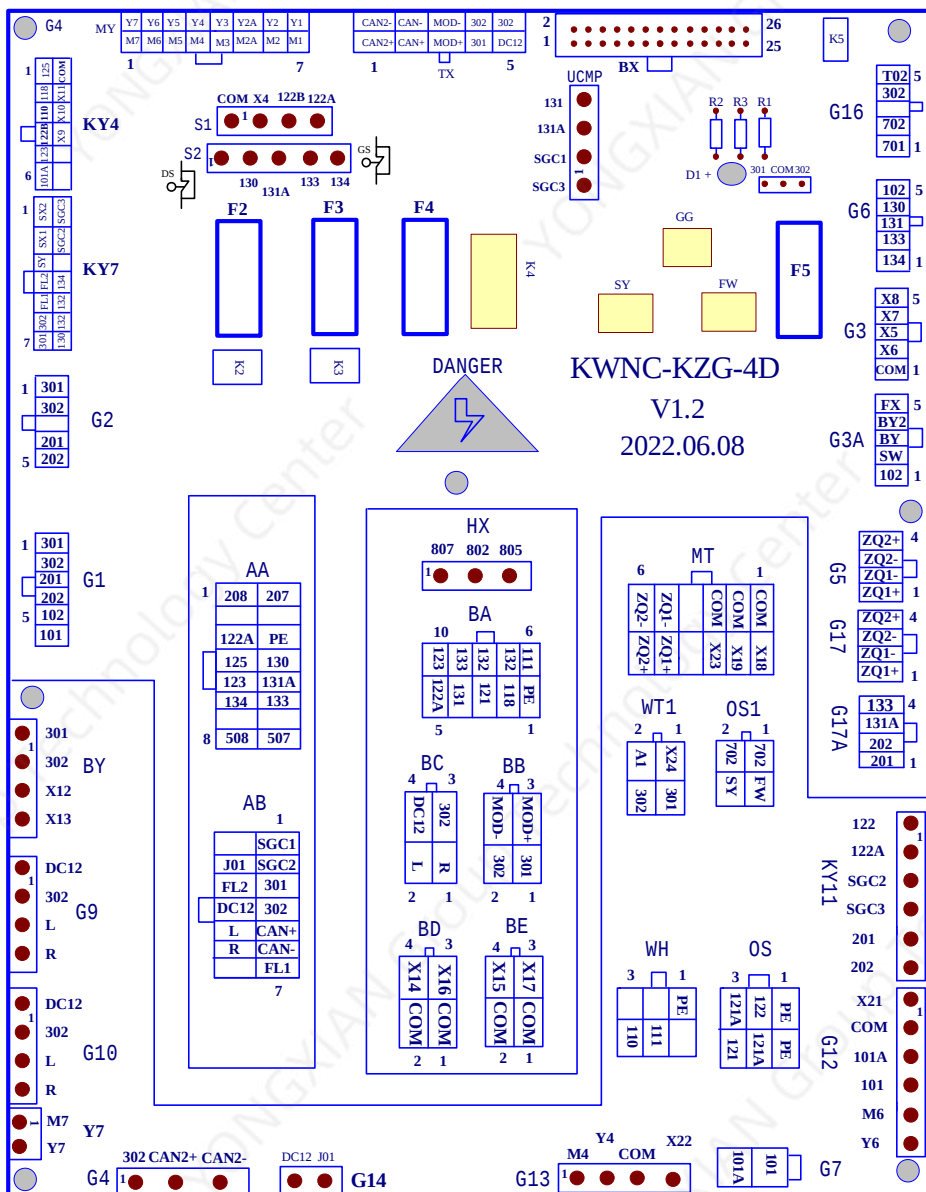






Power outage emergency flat layer device

design		The 54 - page	ARD circuit wiring diagram
proofread		Page 21	electrical schematic diagram
audit			



Note: PCB plug-in is 5569 female plug-in and male pin. The cable is a 5557 male plug-in and a female pin. The pin model is 3900-0038

plug-in	number	number	functional description
AA-P01	Blue 1	207	Door machine screen
AA-P02			
AA-P03	Blue 2	PE	ground electrode
AA-P04	Blue 3	130	safety circuit
AA-P05	Blue 4	131A	Door lock loop
AA-P06	Blue 5	133	Door lock loop
AA-P07			
AA-P08	Blue 6	507	car illumination
AA-P09	Blue 7	208	Door machine screen
AA-P10			
AA-P11	Blue 8	122A	safety circuit
AA-P12	Blue 9	125	safety circuit
AA-P13	Blue 10	123	safety circuit
AA-P14	Blue 11	134	Door lock loop
AA-P15			
AA-P16	Blue 12	508	car illumination

plug-in	number	number	functional description
AB-P01	Blue 1	SGC1	Door lock auxiliary contact signal
AB-P02	Blue 2	SGC2	Door lock auxiliary contact signal
AB-P03	Blue 3	301	24V+
AB-P04	Blue 4	302	24V-
AB-P05	Blue 5	CAN+	Top communication line
AB-P06	Blue 6	CAN-	Top communication line
AB-P07	Blue 7	FL1	On the bed again
AB-P08			
AB-P09	Blue 8	J01	bell alarm switch
AB-P10	Blue 9	FL2	Under the bed again
AB-P11	Blue 10	DC12	12V
AB-P12	Blue 11	L	talkback
AB-P13	Blue 12	R	talkback
AB-P14			

plug-in	number	number	functional description
MT-P01	Blue 1	X18	Lock switch 1
MT-P02	Blue 2	X19	Lock switch 2
MT-P03	Blue 3	X23	Main engine thermal switch
MT-P04	Blue 4	ZQ1+	Lock power supply 1+
MT-P05	Blue 5	ZQ2+	Lock power supply 2+
MT-P06	Blue 6	COM	Feedback common end
MT-P07	Blue 7	COM	Feedback common end
MT-P08	Blue 8	COM	Feedback common end
MT-P09	Blue 9	ZQ1-	Lock power supply 1-
MT-P10	Blue 10	ZQ2-	Lock power supply 2-

plug-in	number	number	functional description
HW-P01			
HW-P02	Blue 1	111	safety circuit
HW-P03	Blue 2	110	safety circuit
HW-P04	Blue 3	PE	ground electrode
HW-P05			
HW-P06			

plug-in	number	number	functional description
OS-P01	Blue 1	PE	ground electrode
OS-P02	Blue 2	121A	safety circuit
OS-P03	Blue 3	121	safety circuit
OS-P04	Blue 4	PE	ground electrode
OS-P05	Blue 5	122	safety circuit
OS-P06	Blue 6	121A	safety circuit

plug-in	number	number	functional description
HX-P01	Blue 1	807	well lighting
HX-P02	Blue 2	802	well lighting
HX-P03	Blue 3	805	well lighting

plug-in	number	number	functional description
BA-P01	Blue 1	PE	ground electrode
BA-P02	Blue 2	118	safety circuit
BA-P03	Blue 3	121	safety circuit
BA-P04	Blue 4	131	Door lock loop
BA-P05	Blue 5	122A	safety circuit
BA-P06	Blue 6	111	safety circuit
BA-P07	Blue 7	132	Door lock loop
BA-P08	Blue 8	132	Door lock loop
BA-P09	Blue 9	133	Door lock loop
BA-P10	Blue 10	123	safety circuit

plug-in	number	number	functional description
BC-P01	Blue 1	R	talkback
BC-P02	Blue 2	L	talkback
BC-P03	Blue 3	302	24V-
BC-P04	Blue 4	DC12	12V+

plug-in	number	number	functional description
BB-P01	Blue 1	301	24V+
BB-P02	Blue 2	302	24V-
BB-P03	Blue 3	MOD+	外呼通讯线
BB-P04	Blue 4	MOD-	外呼通讯线

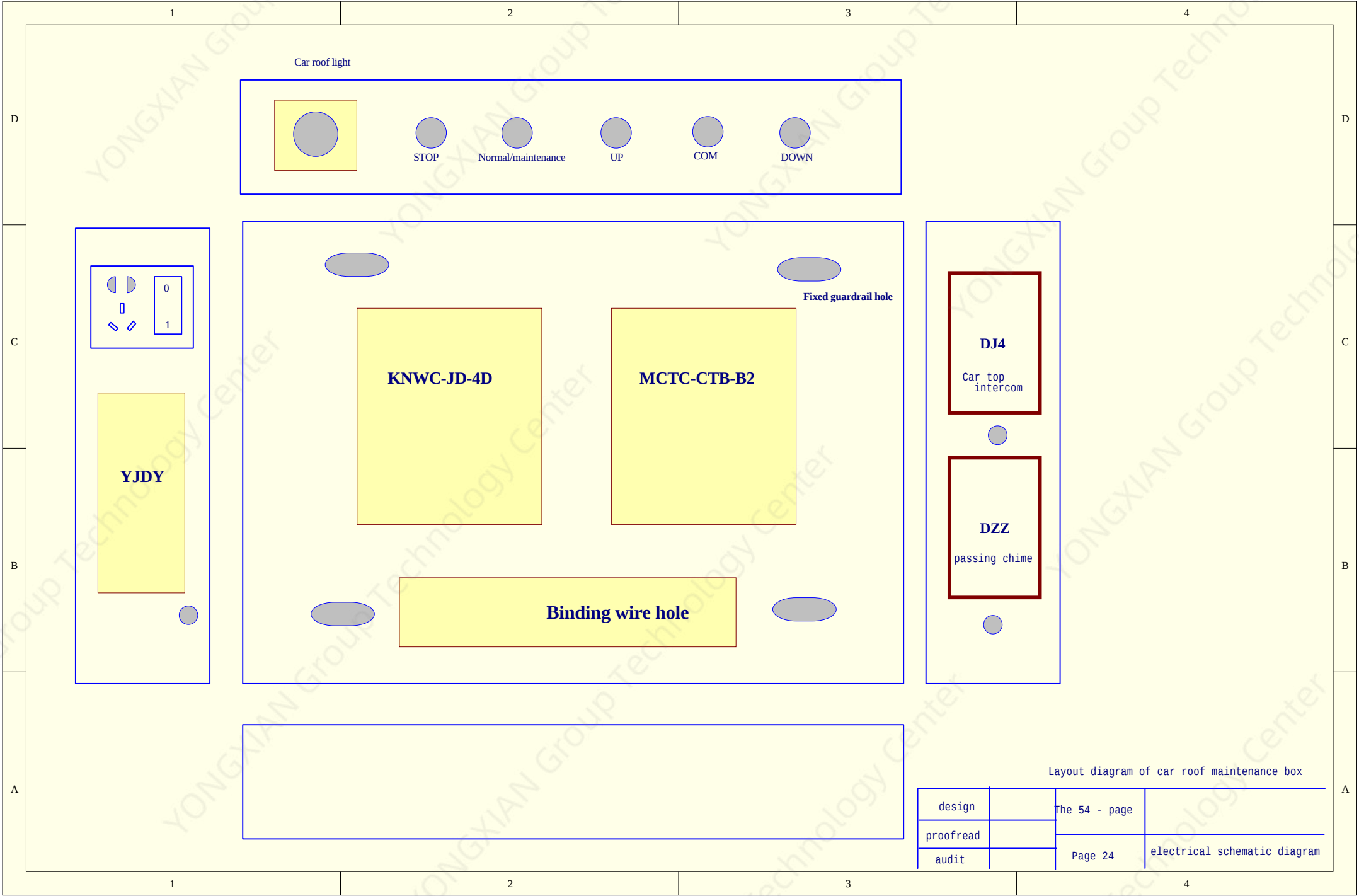
plug-in	number	number	functional description
BD-P01	Blue 1	COM	common port
BD-P02	Blue 2	COM	common port
BD-P03	Blue 3	X16	Strong in 1
BD-P04	Blue 4	X14	Strong in

plug-in	number	number	functional description
BE-P01	Blue 1	COM	common port
BE-P02	Blue 2	COM	common port
BE-P03	Blue 3	X17	Under the strong in 1
BE-P04	Blue 4	X15	Under the strong in

plug-in	number	number	functional description
WT1-P01	Blue 1	301	24V+
WT1-P02	Blue 2	302	24V-
WT1-P03	Blue 3	X24	Weighing signal of machine room
WT1-P04	Blue 4	A1	Analog weighing signal

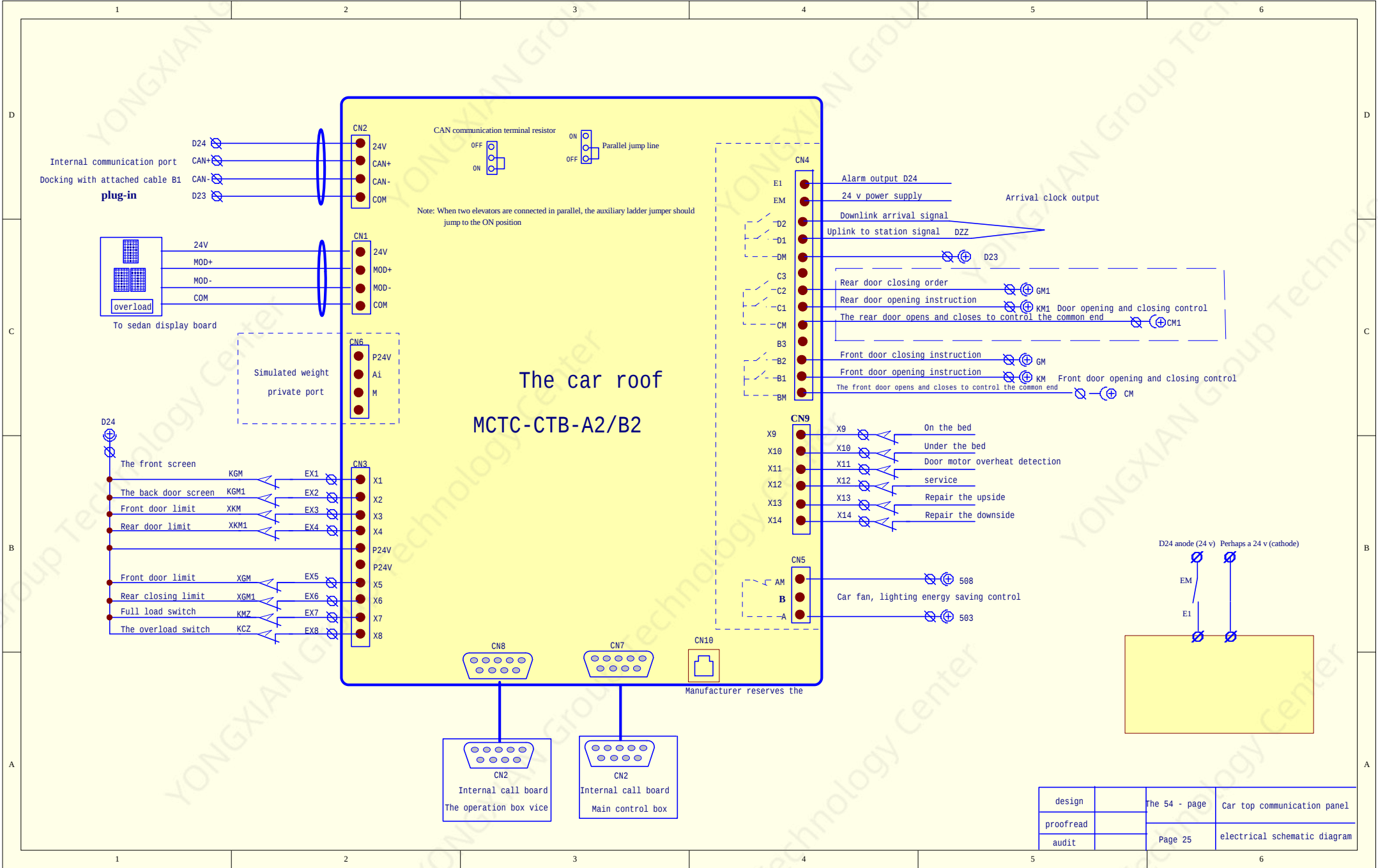
plug-in	number	number	functional description
OS1-P01	Blue 1	FW	restoration
OS1-P02	Blue 2	SY	test
OS1-P03	Blue 3	702	Test reset power supply
OS1-P04	Blue 4	702	Test reset power supply

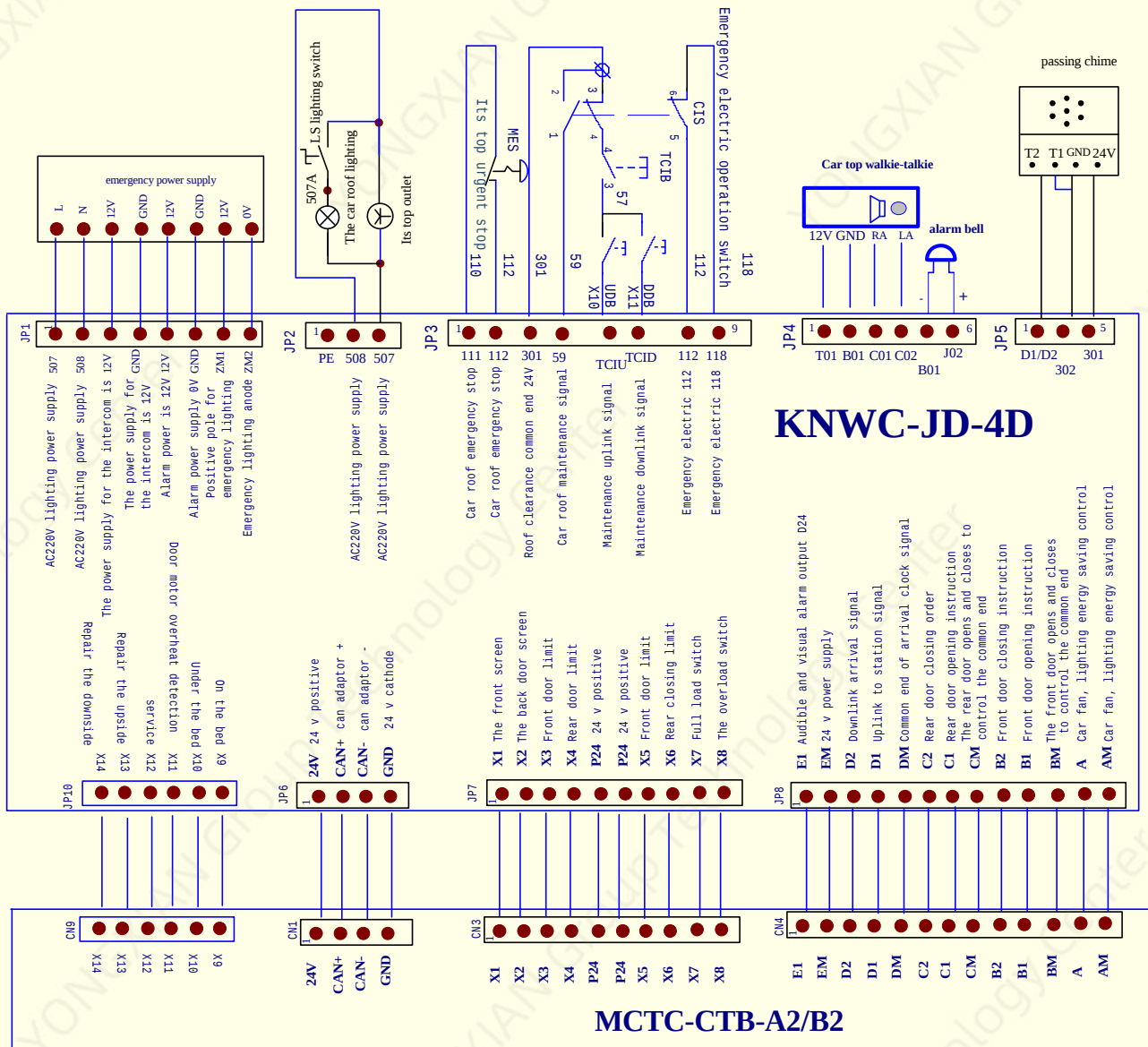
plug-in	number	number	functional description
HX-P01	Blue 1	807	well lighting
HX-P02	Blue 2	802	well lighting
HX-P03	Blue 3	805	well lighting



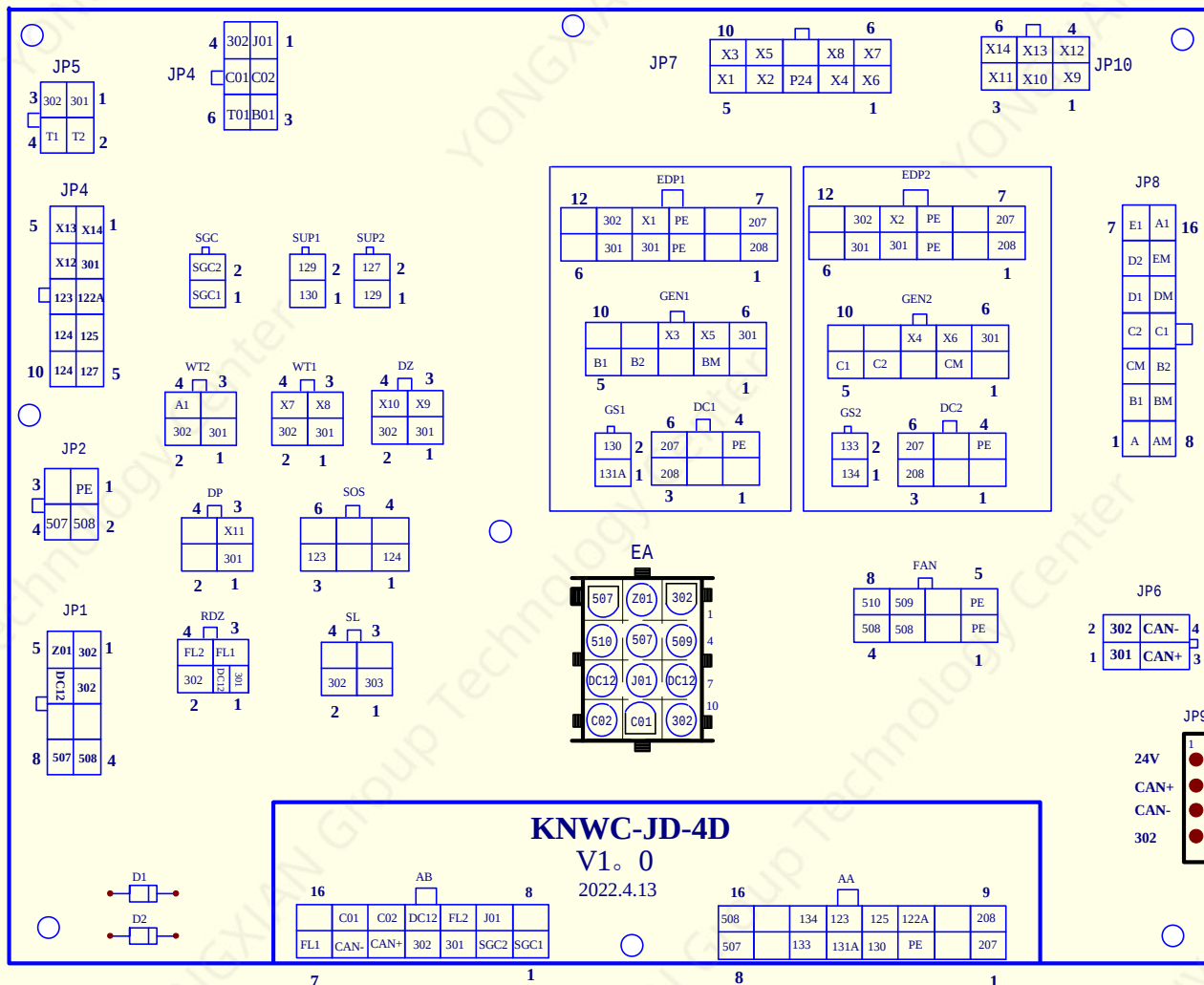
Layout diagram of car roof maintenance box

design		The 54 - page	
proofread			
audit		Page 24	electrical schematic diagram





design		The 54 - page	Wiring diagram of Menac
proofread		Page 26	car roof repair box -18 cores.
audit			electrical schematic diagram



Note: PCB plug-in is 5569 female plug-in and male pin.
The cable is a 5557 male plug-in and a female pin.
The pin model is 3900-0038

design		The 54 - page	Car top plug-in board
proofread		Page 26	electrical schematic diagram
audit			

1

2

3

4

5

6

SGC

plug-in	number	number	terminal
SGC-P01	1	SGC1	Door lock auxiliary contact signal
SGC-P02	2	SGC2	Door lock auxiliary contact signal

SUP1

plug-in	number	number	terminal
SUP1-P01	1	130	safety circuit
SUP1-P02	2	129	safety circuit

SUP2

plug-in	number	number	terminal
SUP2-P01	1	129	safety circuit
SUP2-P02	2	127	safety circuit

plug-in	number	number	terminal
WT2-P01	1	301	24V+
WT2-P02	2		
WT2-P03	3	X11	Door machine thermal
WT2-P04	4	AI	Analog weighing signal

WT1

plug-in	number	number	terminal
WT1-P01	1	301	24V+
WT1-P02	2	302	24V-
WT1-P03	3	X8	overload
WT1-P03	4	X7	full load

DZ

plug-in	number	number	terminal
DZ-P01	1	301	24V+
DZ-P02	2	302	24V-
DZ-P03	3	X9	On the bed
DZ-P03	4	X10	Under the bed

DP

plug-in	number	number	terminal
DP-P01	1	301	24V+
DP-P02	2		
DP-P03	3	X11	Door machine thermal
DP-P03	4		

plug-in	number	number	terminal
SOS-P01	1	124	safety circuit
SOS-P02	2		
SOS-P03	3	123	safety circuit
SOS-P04	4		
SOS-P05	5		
SOS-P06	6		

RDZ

plug-in	number	number	terminal
RDZ-P01	1	301/DC12	24V+
RDZ-P02	2	302	24V-
RDZ-P03	3	FL1	On the bed again
RDZ-P03	4	FL2	Under the bed again

SL

plug-in	number	number	terminal
SL-P01	1	303	Audible and visual alarm +
SL-P02	2	302	Audible and visual alarm -
SL-P03	3		
SL-P03	4		

plug-in	number	number	terminal
EDP1-P01	1	208	Door machine screen
EDP1-P02	2		
EDP1-P03	3	PE	grounding
EDP1-P04	4	301	24V+
EDP1-P05	5	301	24V+
EDP1-P06	6	207	Door machine screen
EDP1-P07	7		
EDP1-P08	8	PE	grounding
EDP1-P09	9	X1	The front screen
EDP1-P10	10	302	24V-
EDP1-P11	11		
EDP1-P12	12		

plug-in	number	number	terminal
DEN1-P01	1		
DEN1-P02	2	BM	Open and close the front door to control the common end
DEN1-P03	3		
DEN1-P04	4	B2	Front door closing instruction
DEN1-P05	5	B1	Front door opening instruction
DEN1-P06	6	301	24V+
DEN1-P07	7	X5	Close the front limit
DEN1-P08	8	X3	Front door limit
DEN1-P09	9		
DEN1-P10	10		

plug-in	number	number	terminal
SOS-P01	1	124	safety circuit
SOS-P02	2		
SOS-P03	3	123	safety circuit
SOS-P04	4		
SOS-P05	5		
SOS-P06	6		

plug-in	number	number	terminal
EA-P01	1	302	24V-
EA-P02	2	Z01	bell alarm switch
EA-P03	3	507	Fan switch cable
EA-P04	4	509	Fan switch cable
EA-P05	5	507	Lighting switch wire
EA-P06	6	510	Lighting switch wire
EA-P07	7	DC12	12V
EA-P08	8	J01	bell alarm switch
EA-P09	9	DC12	12V
EA-P10	10	302	24V-
EA-P11	11	C01	Intercom R
EA-P12	12	C02	Intercom L

plug-in	number	number	terminal
EDP2-P01	1	208	Door machine screen
EDP2-P02	2		
EDP2-P03	3	PE	grounding
EDP2-P04	4	301	24V+
EDP2-P05	5	301	24V+
EDP2-P06	6	207	Door machine screen
EDP2-P07	7		
EDP2-P08	8	PE	grounding
EDP2-P09	9	X2	The back door screen
EDP2-P10	10	302	24V-
EDP2-P11	11		
EDP2-P12	12		

plug-in	number	number	terminal
DEN2-P01	1		
DEN2-P02	2	CM	Open and close the rear door to control the public end
DEN2-P03	3		
DEN2-P04	4	C2	Rear door closing instruction
DEN2-P05	5	C1	Rear door opening instruction
DEN2-P06	6	301	24V+
DEN2-P07	7	X6	Rear closing limit
DEN2-P08	8	X4	Rear door limit
DEN2-P09	9		
DEN2-P10	10		

GS2

plug-in	number	number	terminal
GS2-P01	1	134	Door lock loop
GS2-P02	2	133	Door lock loop

plug-in	number	number	terminal
DC2-P01	1		
DC2-P02	2		
DC2-P03	3	208	Door machine screen
DC2-P04	4	PE	grounding
DC2-P05	5		
DC2-P06	6	207	Door machine screen

plug-in	number	number	terminal
FAN-P01	1	PE	grounding
FAN-P02	2		
FAN-P03	3	508	Fan -
FAN-P04	4	508	Lighting -
FAN-P05	5	PE	grounding
FAN-P06	6		
FAN-P07	7	509	Fan +
FAN-P08	8	510	Lighting +

plug-in	number	number	terminal
AA-P01	1	207	Door machine screen
AA-P02	2		
AA-P03	3	PE	grounding
AA-P04	4	130	safety circuit
AA-P05	5	131A	Door lock loop
AA-P06	6	133	Door lock loop
AA-P07	7		
AA-P08	8	507	car illumination
AA-P09	9	208	Door machine screen
AA-P10	10		
AA-P11	11	122A	safety circuit
AA-P12	12	125	safety circuit
AA-P13	9	123	safety circuit
AA-P14	10	134	Door lock loop
AA-P15	11		
AA-P16	12	508	car illumination

plug-in	number	number	terminal
AB-P01	1	SGC1	Door lock auxiliary contact
AB-P02	2	SGC2	Door lock auxiliary contact
AB-P03	3	301	24V+
AB-P04	4	302	24V-
AB-P05	5	CAN+	Top communication line
AB-P06	6	CAN-	Top communication line
AB-P07	7	FL1	On the bed again
AB-P08	8		
AB-P09	9	J01	buzzer
AB-P10	10	FL2	Under the bed again
AB-P11	11	DC12	12V
AB-P12	12	C02	Intercom (R)
AB-P13	9	C01	Intercom (L)
AB-P14	10		

Function table of car top plug-in board

design		The 54 - page	
proofread			
audit		Page 26	electrical schematic diagram

1

2

3

4

5

6

D

C

B

A

D

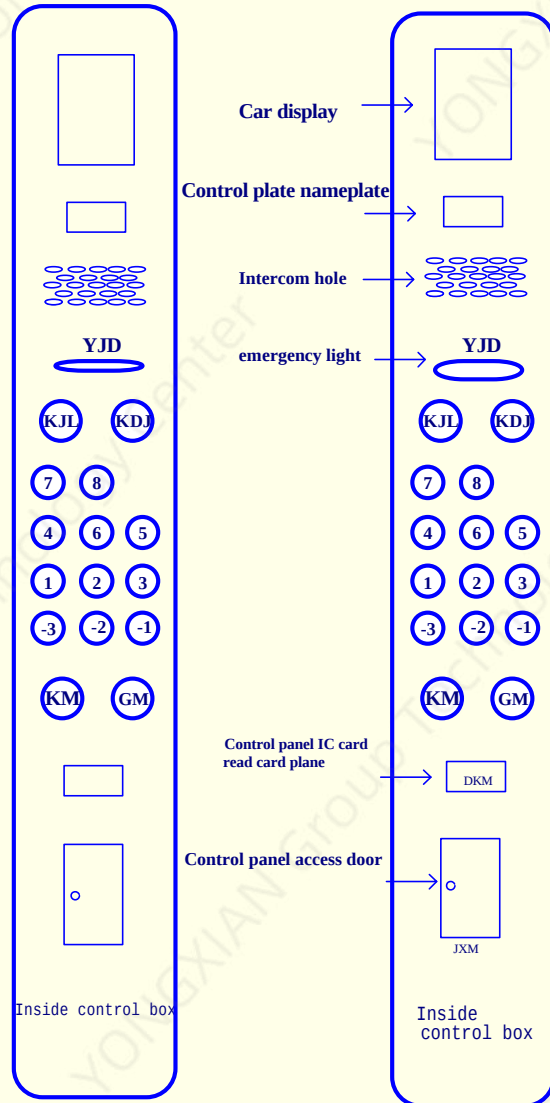
C

B

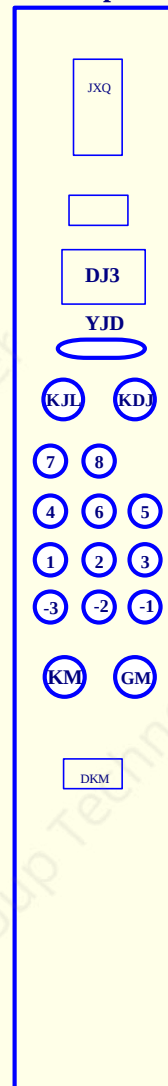
A

Split main control panel

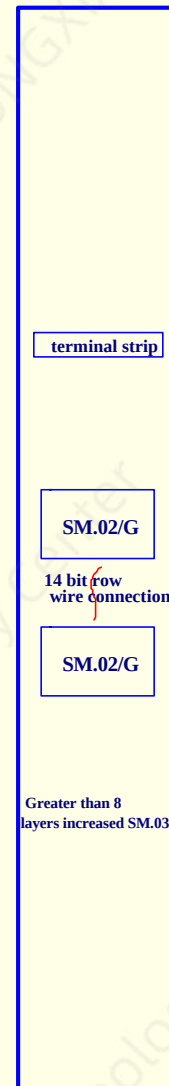
Split sub control panel



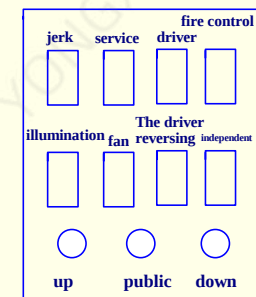
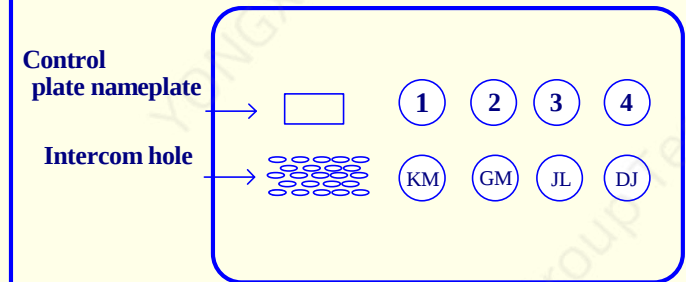
Wipe the layout of components on the vertical panel



Control the layout of components in the bottom box



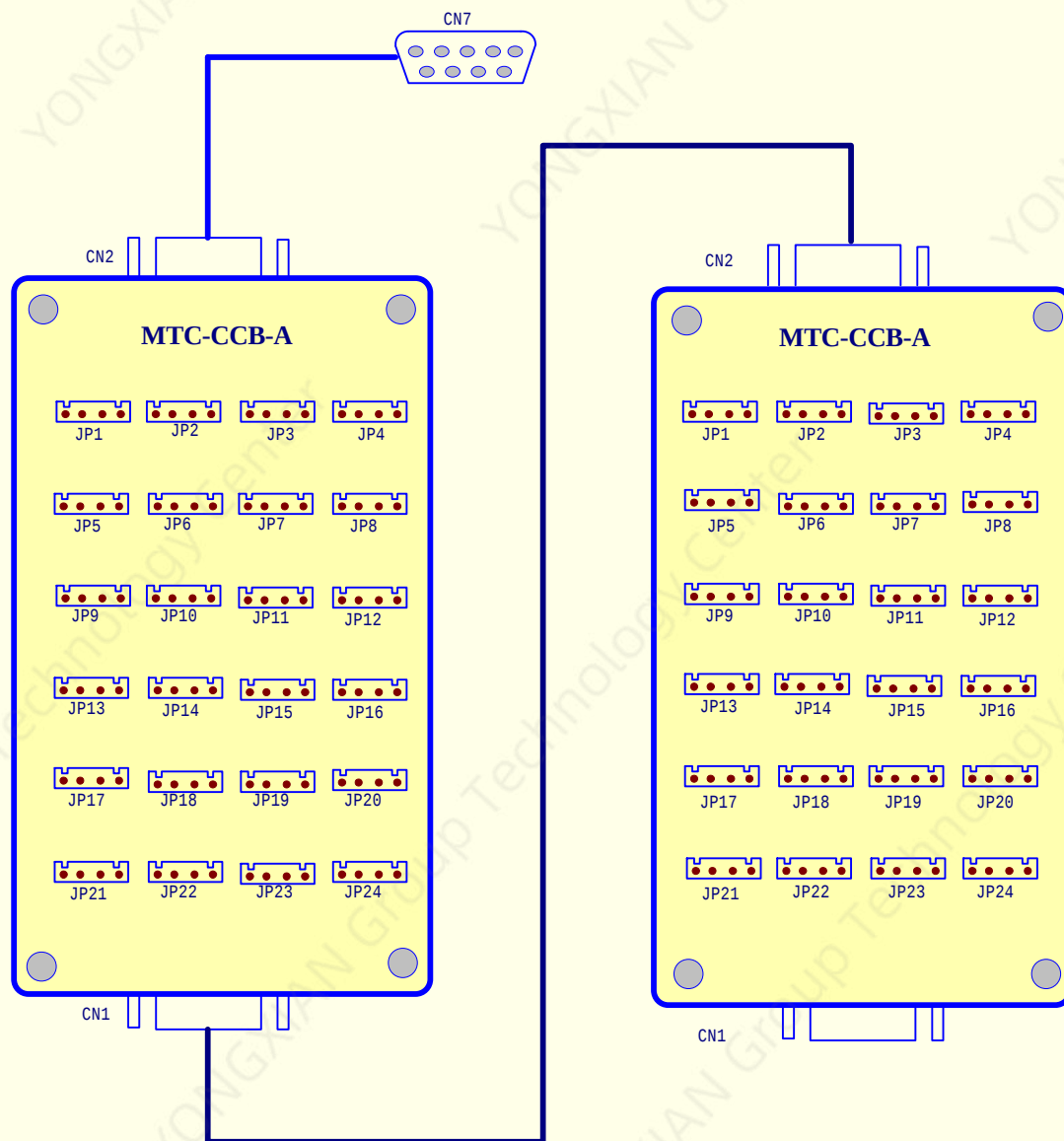
Handicapped control panel



Passenger elevator access door switch layout
When there is no access door, use fan and lighting lock

design		The 54 - page	Control panel component layout diagram
proofread		Page 29	electrical schematic diagram
audit			

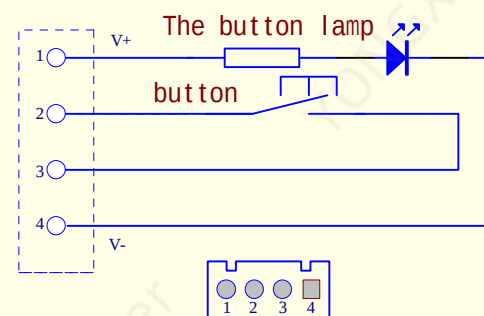
To the communication board matching port on the top of the sedan chair



Serial number(N)	Corresponding interface	definition
1—16	JP1—JP16	Select button 1 — 16
17	JP17	door open button
18	JP18	door close button
19	JP19	Open door delay button
20	JP20	nonstop
21	JP21	driver
22	JP22	reversing
23	JP23	independent
24	JP24	fire control

More than 16 layers, choose the second inner selection board.
For the instruction board 2, JPn input
The signal corresponds to the (16+ N) layer button input.

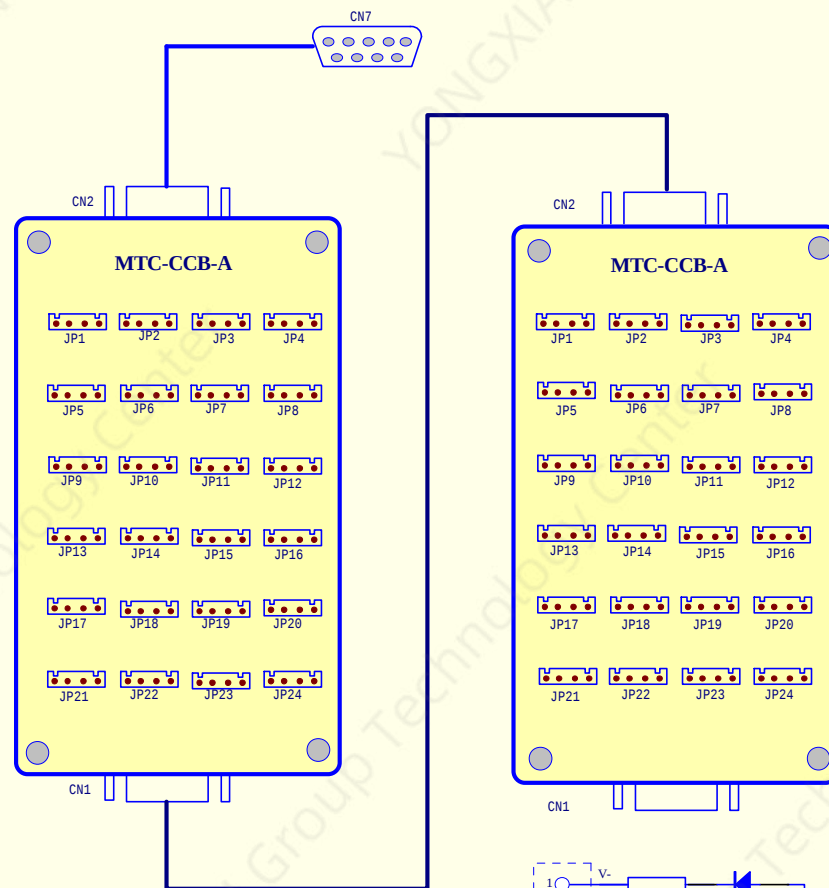
Socket wiring position diagram



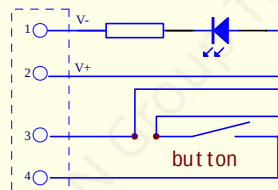
Socket terminal arrangement

design		The 54 - page	The Menac command board
proofread		Page 30	electrical schematic diagram
audit			

To the communication board matching port on the top of the sedan chair



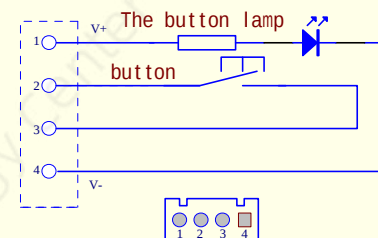
Non-hierarchical control IC card
Button interface diagram



Serial number(N)	Corresponding interface	definition
1—16	JP1—JP16	Select button 1 — 16
17	JP17	door open button
18	JP18	door close button
19	JP19	Open door delay button
20	JP20	nonstop
21	JP21	driver
22	JP22	reversing
23	JP23	independent
24	JP24	fire control

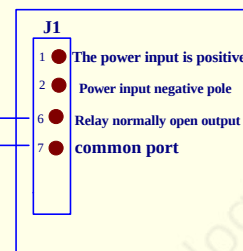
More than 16 layers, choose
the second inner selection board.
For the instruction board 2, Jpn input
The signal corresponds to the
(16+ N) layer button input.

Socket wiring position diagram



Socket terminal arrangement

KD-105

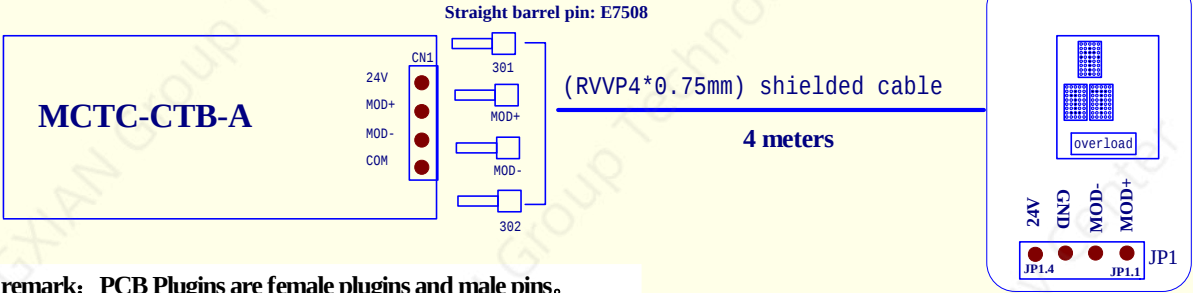
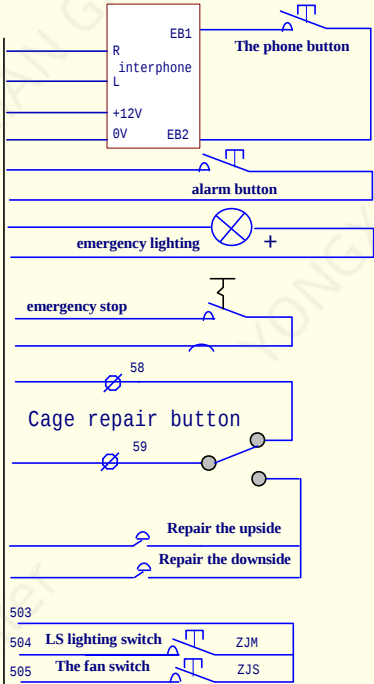
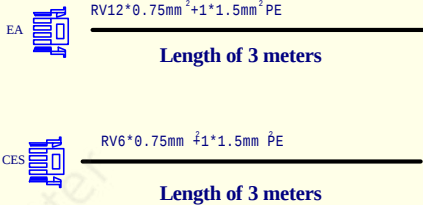


design		The 54 - page	Menac IC instruction board
proofread		Page 30	electrical schematic diagram
audit			

EA CES plugins to the roof access box
Corresponding drawing label

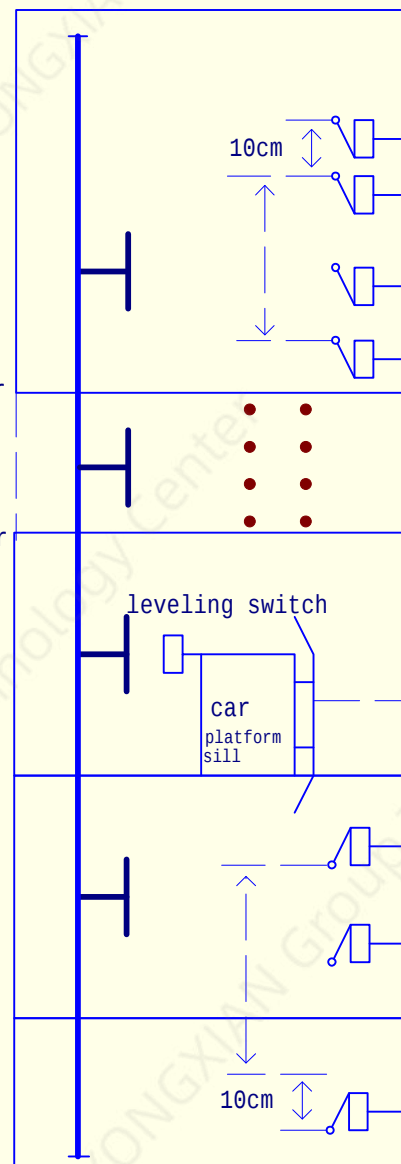
EA	EA-P01	Blue 1	B01	Emergency lighting -	EA-P01	FA
	EA-P02	Blue 2	Z01	Emergency lighting +	EA-P02	
	EA-P03	Blue 3	503	Lighting L	EA-P03	
	EA-P04	Blue 4	505	car illumination	EA-P04	
	EA-P05	Blue 5	503	fan L	EA-P05	
	EA-P06	Blue 6	504	car fan	EA-P06	
	EA-P07	Blue 7	J01	bell alarm switch	EA-P07	
	EA-P08	Blue 8	J02	bell alarm switch	EA-P08	
	EA-P09	Blue 9	T01	Intercom power 12V	EA-P09	
	EA-P10	Blue 10	B01	Intercom power supply 0V	EA-P10	
	EA-P11	Blue 11	C01	Intercom signal R	EA-P11	
	EA-P12	Blue 12	C02	Intercom signal L	EA-P12	

CES	CES-P01	Blue 1	101	The car to stop	CES-P01	DES
	CES-P02	Blue 2	58	The car maintenance	CES-P02	
	CES-P03	Blue 3	110	The car to stop	CES-P03	
	CES-P04	Blue 4	59	The car maintenance	CES-P04	
	CES-P05	Blue 5	TCIU	Repair the upside	CES-P05	
	CES-P06	Blue 6	TCID	Repair the downside	CES-P06	



remark: PCB Plugins are female plugins and male pins.
The cable is a male plug and a female pin, The pin model is : 350536-1

design		The 54 - page	Wiring diagram of the Menac operating disk
proofread		Page 32	electrical schematic diagram
audit			



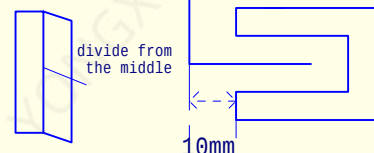
Upper limit switch

When hitting the upper limit switch, the floor of the car is 5cm higher than the floor of the hall door

Change the switch by force

Up switch and switch 1

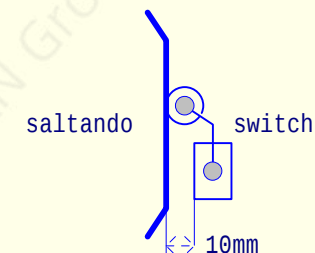
A flat baffle leveling switch



Elevator level position, level switch should be located in the level of the baffle

Flat layer baffle length (20-30cm) is the best

The flat floor baffle of the same elevator must be the same size



Well information switches are (NC) normally closed contacts

When the elevator touches the switch, the switch is disconnected

Installation position table of forced reduction switch

Ladder fast	Installation distance of forced reduction switch	Forced reduction switch 1 installation distance	Forced reduction switch 2 installation distance
0.5m/s	0.8m		
1.0m/s	1.5m		
1.5m/s	2.4m		
1.75m/s	1.5m	2.8m	
2.0m/s	1.5m	3.5m	
>2.5m/s	1.5m	3.5m	5m

Change the 1 switch by force

Force switch

When the bow hits the lower limit switch, the floor of the car is 5cm lower than the floor of the hall door

Lower limit switch

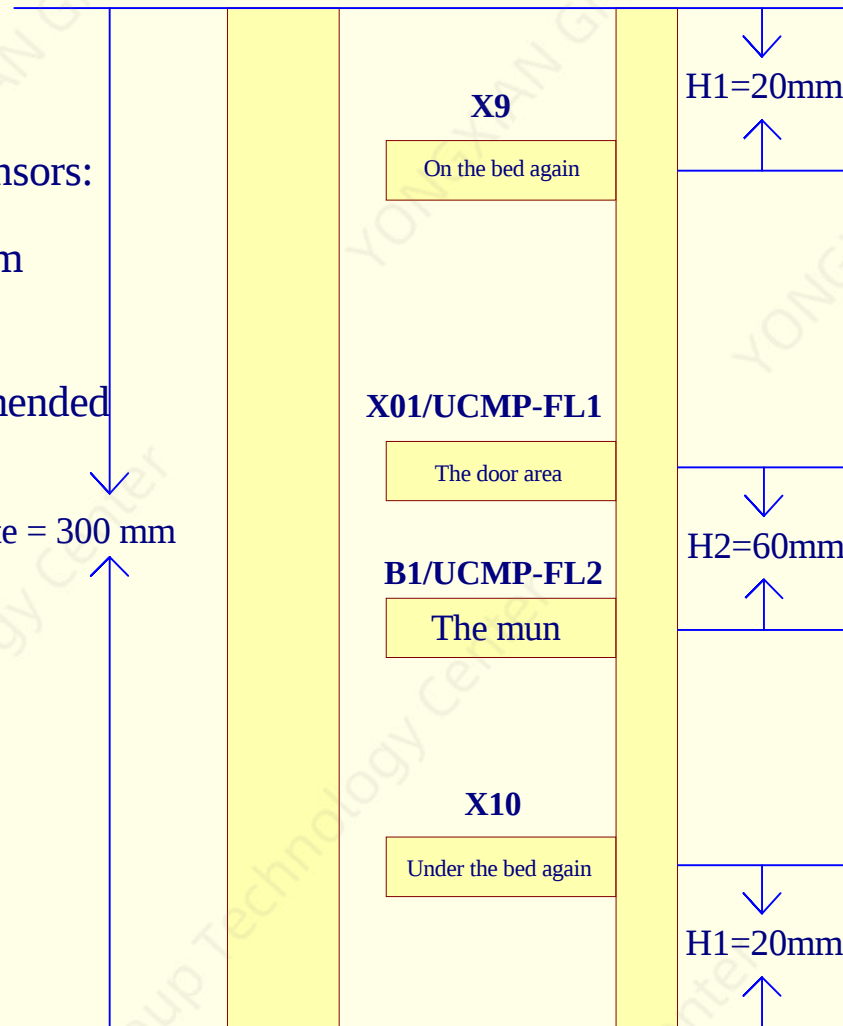
Installation drawing of well information switch

design		The 54 - page	
proofread			
audit		Page 33	electrical schematic diagram

Installation requirements for flat layer sensors:

- 1) H1 is less than or equal to 20mm
- 2) H2 is equal to 60mm
- 3) 300mm magnetic separator is recommended

Magnetic separation plate = 300 mm

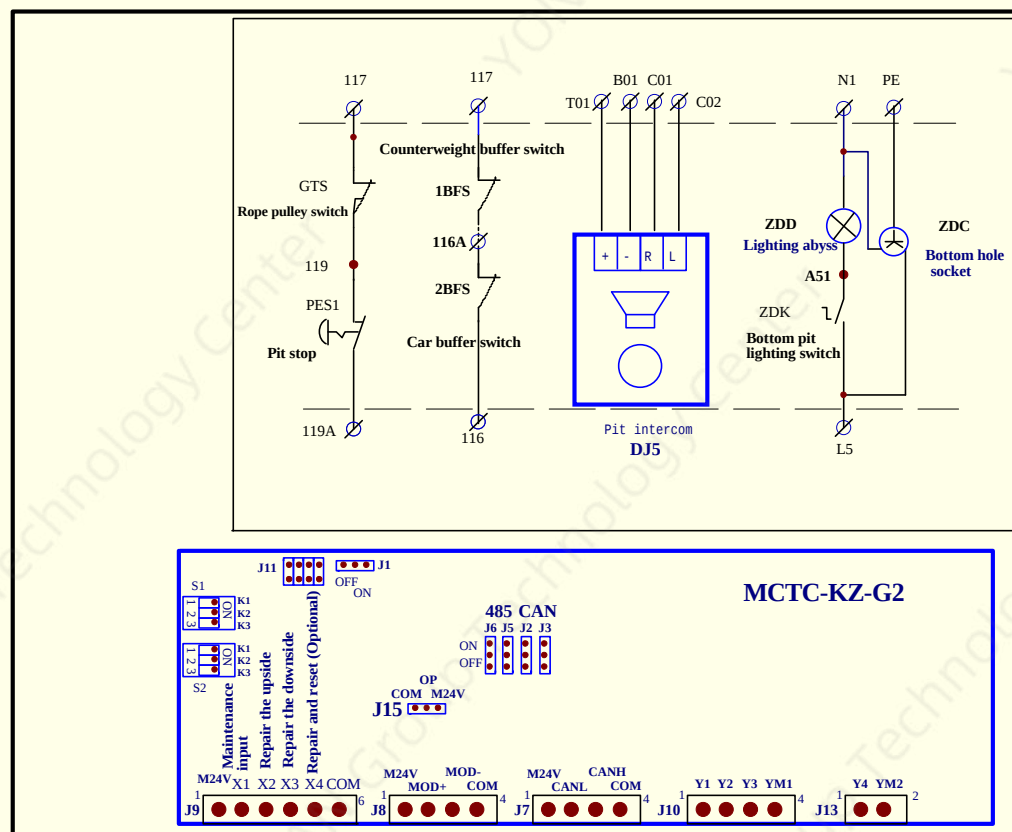


Flat layer sensor installation diagram

design		The 54 - page	
proofread		Page 34	electrical schematic diagram
audit			

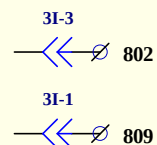
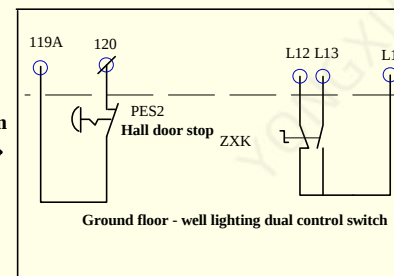
Wiring diagram of bottom pit access box

Hall door access box wiring diagram



Length: 3 m

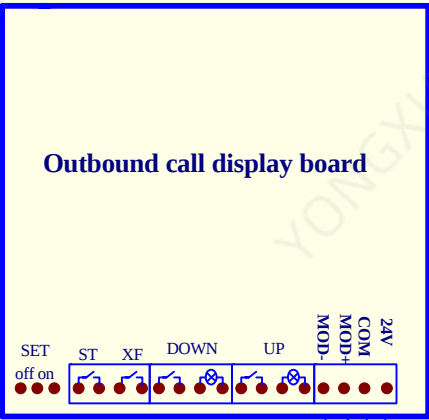
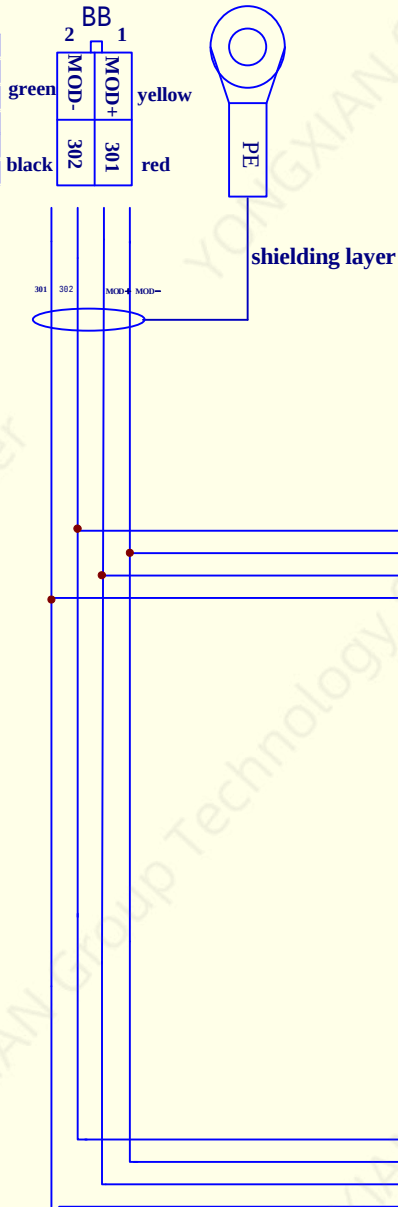
Length: 3 m



Wiring diagram of pit repair box

design		The 54 - page	
proofread		Page 35	electrical schematic diagram
audit			

plug-in	number	number
PE	shield	PE
BB-P02	1	MOD-
BB-P01	2	MOD+
BB-P04	3	302
BB-P03	4	301



When the jumper switch is used to set the address, use the following method:
When the short jumper switch (SET) is on, the current floor address is displayed in the display area, and the floor address setting state is displayed.
With each press of the up call button, the current floor address increases by one. The floor address will change to 0, so loop.
After the setting is complete, the short hop is removed and the current floor address value is automatically stored and the setting state is exited.

Note: PCB plug-in is 5569 female plug-in and male pin.
The cable is a 5557 male plug-in and a female pin. The pin model is 3900-0038

design		The 54 - page	Outbound communications
proofread		Page 36	electrical schematic diagram
audit			

Side of control cabinet

plug-in	number	number	functional description
OS-P01	Blue 1	PE	ground electrode
OS-P02	Blue 2	121A	safety circuit
OS-P03	Blue 3	121	safety circuit
OS-P04	Blue 4	PE	ground electrode
OS-P05	Blue 5	122	safety circuit
OS-P06	Blue 6	121A	safety circuit

Note: 1 OS plug-in is equipped with female pin.

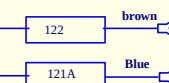
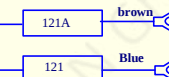
OS	PE	PE
122	121A	
121A	121	

OS	PE	PE
122	121A	
121A	121	

RVV 2X0.75+1X0.75mm

RVV 2X0.75+1X0.75mm

Speed limiter side



Side of control cabinet

plug-in	number	number	functional description
OS1-P01	Blue 1	FW	restoration
OS1-P02	Blue 2	SY	experiment
OS1-P03	Blue 3	702	Test reset power supply
OS1-P04	Blue 4	702	Test reset power supply

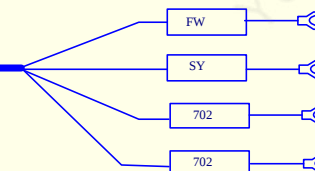
Note: 1 The OS1 plug-in is equipped with a female pin.
2 Cable length is only for production test.
It needs to be adjusted according to the actual situation.

OS1

OS1	702	FW
	702	SY

RVV 4X0.75

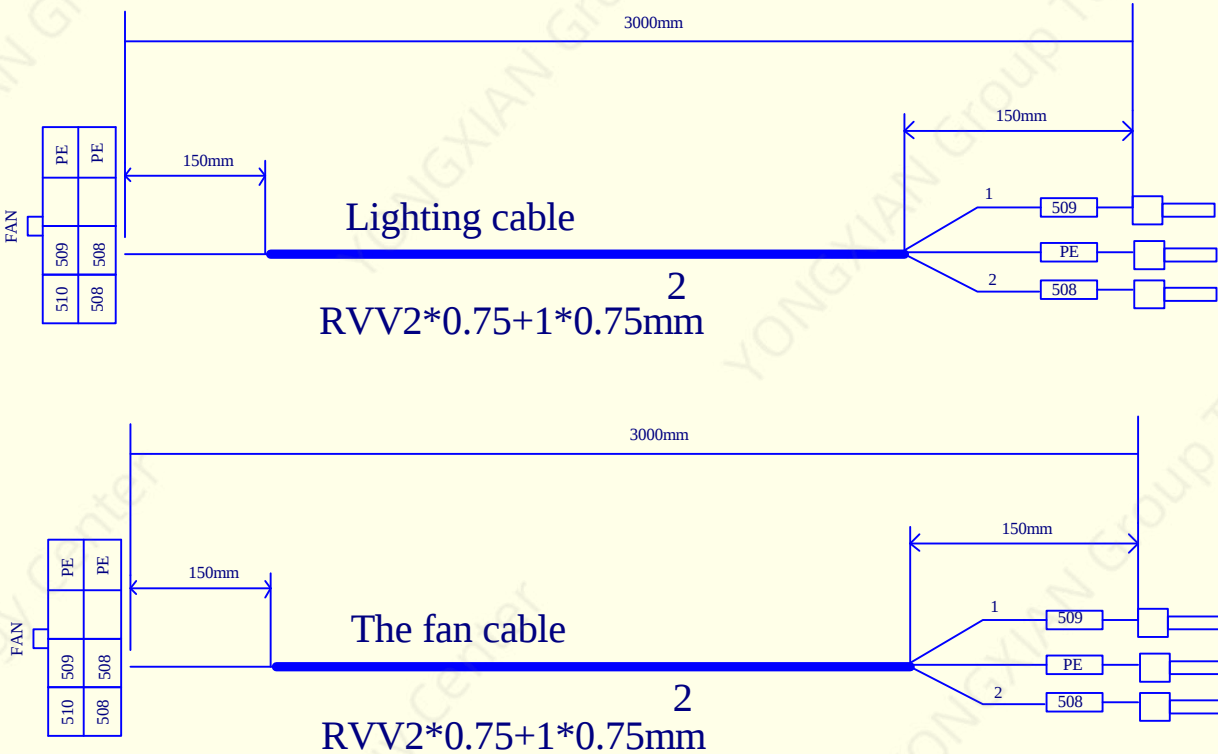
Speed limiter side



design		The 54 - page	Line speed limiter
proofread		Page 37	electrical schematic diagram
audit			

Schematic diagram of car top plug-in end

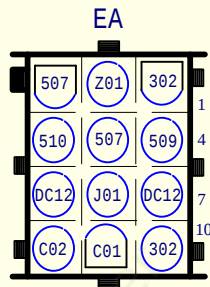
FAN	plug-in	number	number	terminal
	FAN-P01	1	PE	ground
	FAN-P02	2		
	FAN-P03	3	508	Fan -
	FAN-P04	4	508	Lighting -
	FAN-P05	5	PE	ground
	FAN-P06	6		
	FAN-P07	7	509	Fan +
	FAN-P08	8	510	Lighting +



remark:

- Note: 1. Insert internal female pin, Model: 35089.
2. The cable length is for reference only and must be adjusted according to the actual situation.

design		The 54 - page	Lighting and fan cables
proofread		Page 38	electrical schematic diagram
audit			



EA CES plug-in to car roof repair box

Corresponding drawing label

plug-in	number	number	terminal
EA-P01	1	302	24V-
EA-P02	2	Z01	bell alarm switch
EA-P03	3	507	Fan switch cable
EA-P04	4	509	Fan switch cable
EA-P05	5	507	Lighting switch wire
EA-P06	6	510	Lighting switch wire
EA-P07	7	DC12	12V
EA-P08	8	J01	bell alarm switch
EA-P09	9	DC12	12V
EA-P10	10	302	24V-
EA-P11	11	C01	Intercom (R)
EA-P12	12	C02	Intercom (L)



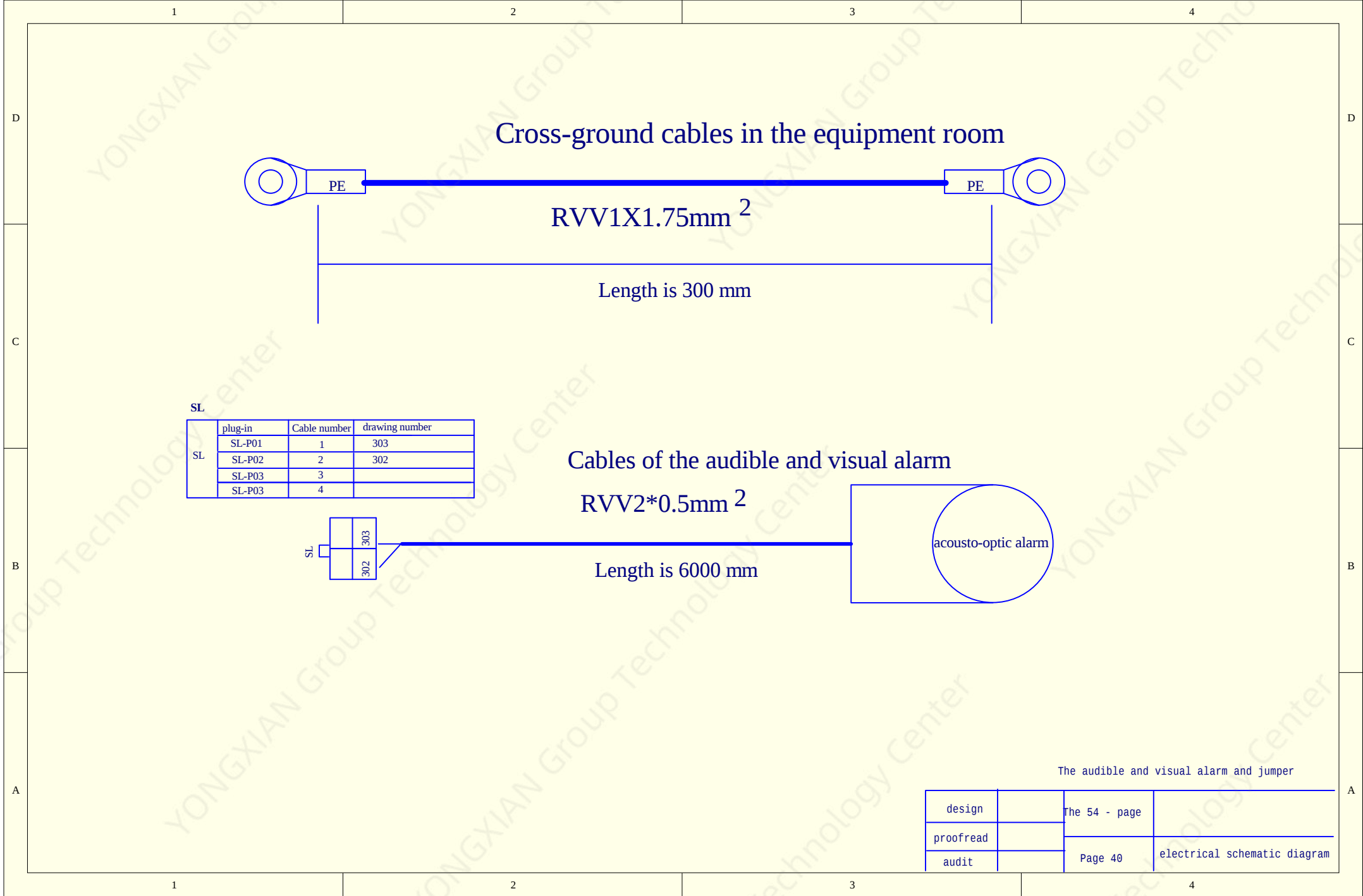
RV12*0.75mm²+1*1.5mm²PE

Length of 3 meters

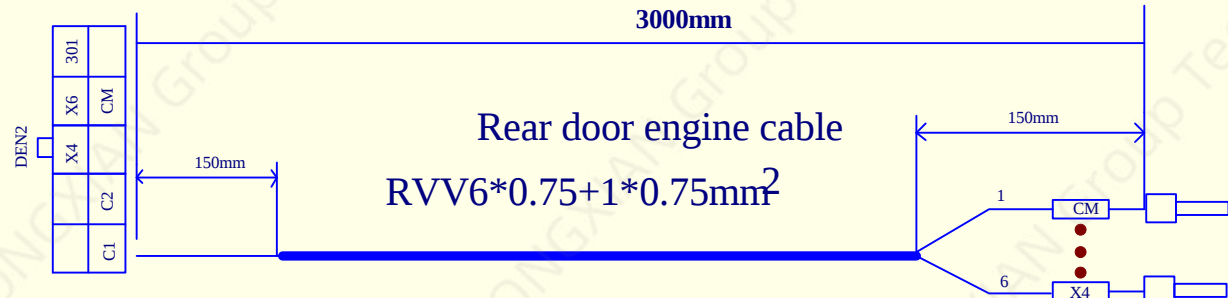
302
Z01
507
509
507
510
DC12
J01
DC12
302
C01
C02

**Note: PCB plug-in is female plug-in and male pin.
The cable has a male plug-in and a female pin. The pin
model is 350536-1**

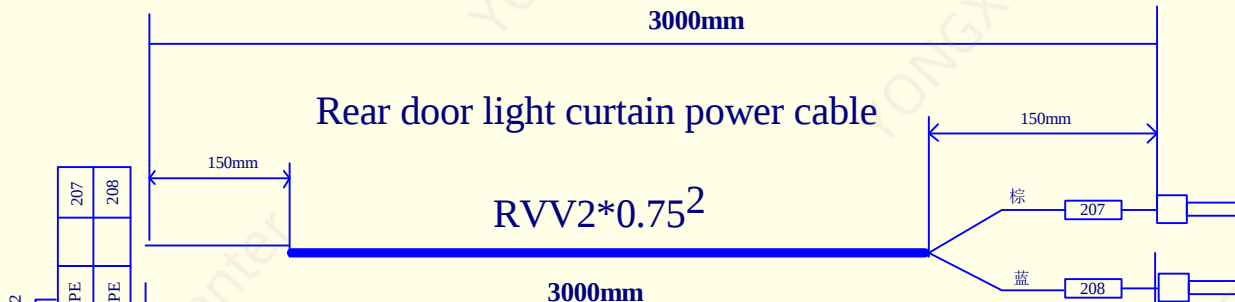
design		The 54 - page	Operating disk cable
proofread		Page 39	electrical schematic diagram
audit			



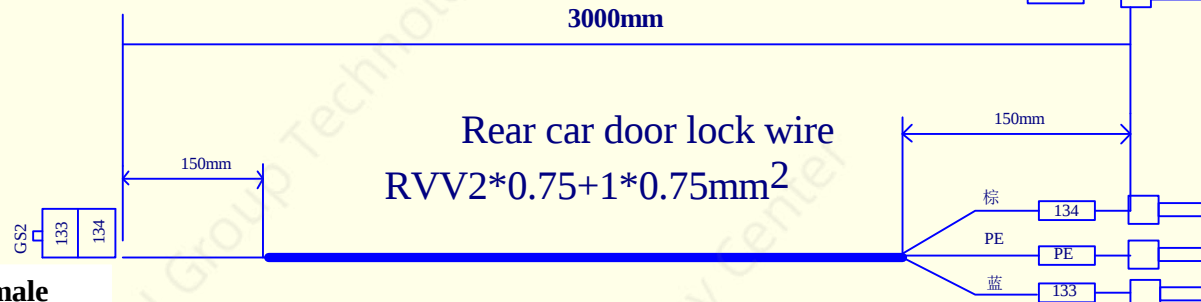
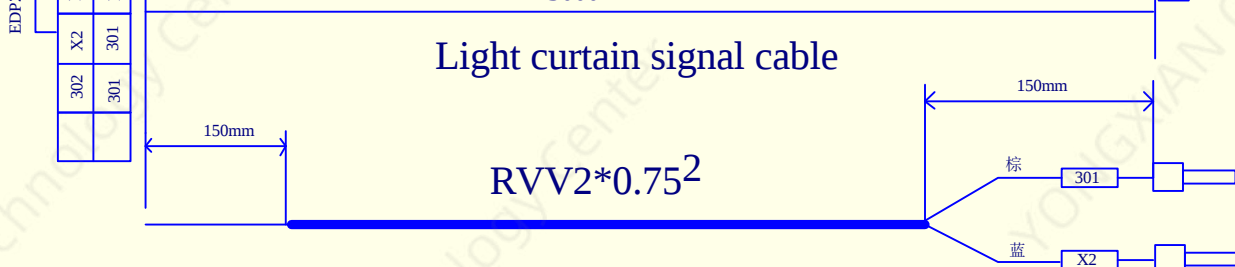
plug-in	number	number	terminal
DEN2-P01	1		
DEN2-P02	2	CM	Open and close the rear door to control the public end
DEN2-P03	3		
DEN2-P04	4	C2	Rear door closing instruction
DEN2-P05	5	C1	Rear door opening instruction
DEN2-P06	6	301	24V+
DEN2-P07	7	X6	Rear closing limit
DEN2-P08	8	X4	Rear door limit
DEN2-P09	9		
DEN2-P10	10		



plug-in	number	number	terminal
EDP2-P01	1	208	Door machine screen
EDP2-P02	2		
EDP2-P03	3	PE	ground
EDP2-P04	4	301	24V+
EDP2-P05	5	301	24V+
EDP2-P06	6		
EDP2-P07	7	207	Door machine screen
EDP2-P08	8		
EDP2-P09	9	PE	ground
EDP2-P10	10	X2	The back door screen
EDP2-P11	11	302	24V-
EDP2-P12	12		

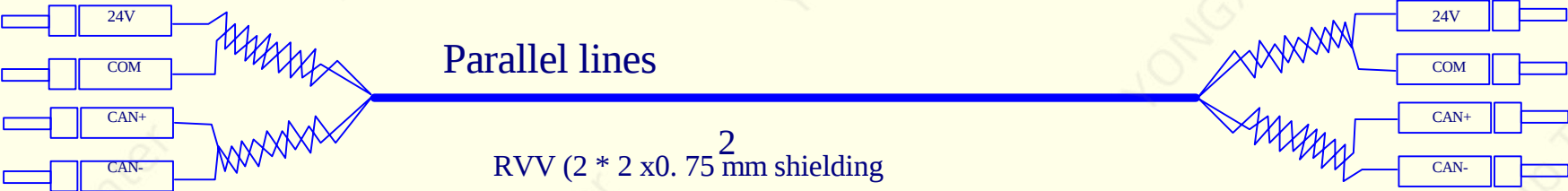


plug-in	number	number	terminal
GS2-P01	1	134	Door lock loop
GS2-P02	2	133	Door lock loop



Note: PCB plug-in is 5569 female plug-in and male pin.
The cable is a 5557 male plug-in and a female pin. The pin model is 3900-0038

design		The 54 - page	The back door cable
proofread			
audit		Page 41	electrical schematic diagram



Parallel lines

RVV (2 * 2 x0.75 mm shielding)

Length is 8000 mm

design		The 54 - page	Parallel lines
proofread		Page 42	electrical schematic diagram
audit			

plug-in	number	number	function
AA-P01	蓝1	207	Door machine screen
AA-P02			
AA-P03	蓝2	PE	ground electrode
AA-P04	蓝3	130	safety circuit
AA-P05	蓝4	131A	Door lock loop
AA-P06	蓝5	133	Door lock loop
AA-P07			
AA-P08	蓝6	507	car illumination
AA-P09	蓝7	208	Door machine screen
AA-P10			
AA-P11	蓝8	122A	safety circuit
AA-P12	蓝9	125	safety circuit
AA-P13	蓝10	123	safety circuit
AA-P14	蓝11	134	Door lock loop
AA-P15			
AA-P16	蓝12	508	car illumination
AB-P01	蓝1	SGC1	门锁辅助触点信号
AB-P02	蓝2	SGC2	门锁辅助触点信号
AB-P03	蓝3	301	24V+
AB-P04	蓝4	302	24V-
AB-P05	蓝5	CAN+	Top communication line
AB-P06	蓝6	CAN-	Top communication line
AB-P07	蓝7	FL1	On the bed again
AB-P08			
AB-P09	蓝8	J01	bell alarm switch
AB-P10	蓝9	FL2	Under the bed again
AB-P11	蓝10	DC12	12V
AB-P12	蓝11	L	talkback
AB-P13	蓝12	R	talkback
AB-P14			

AA

208	207
122A	PE
125	130
123	131A
134	133
508	507

AB

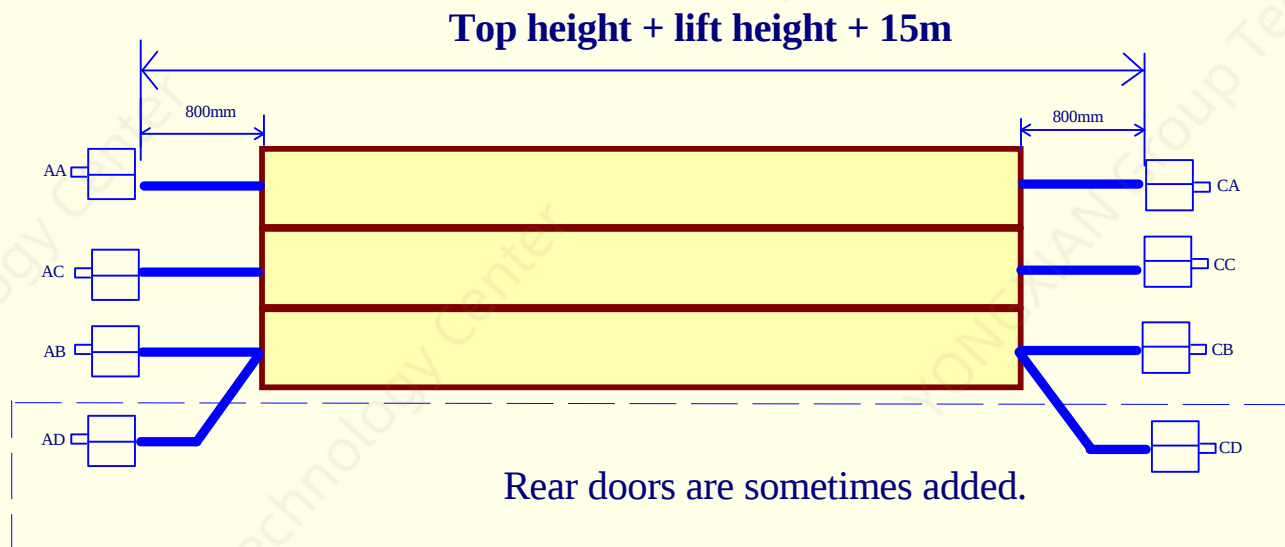
J01	SGC1
FL2	301
DC12	302
L	CAN+
R	CAN-
FL1	

AB

	C01	C02	DC12	FL2	J01	
FL1	CAN-	CAN+	302	301	SGC2	SGC1

AA

508		134	123	125	122A		208
507		133	131A	130	PE		207



Note: The PCB plug-in is 5569 female. Note: The PCB plug-in is 5569 female. Male pin. The cable is a 5557 male plug-in and a female pin. The pin model is 3900-0038

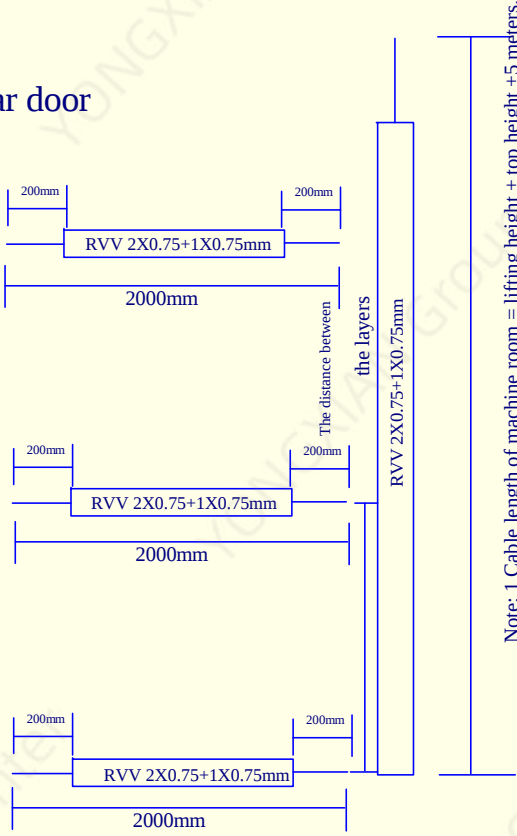
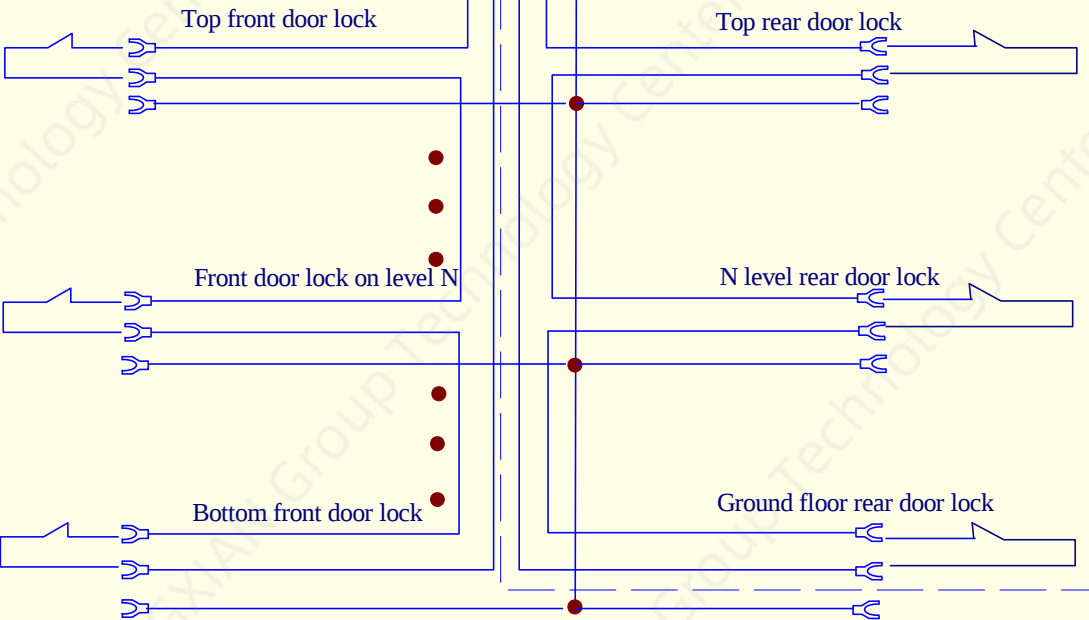
design		The 54 - page	Along with the cable
proofread		Page 43	electrical schematic diagram
audit			

	plug-in	number	number	function
BA	BA-P04	黑1	131	Entrance hall door lock starting point
	BA-P07	黑2	132	End of vestibule door lock
	BA-P08	黑1	132	Rear hall door lock starting point
	BA-P09	黑2	133	End of rear hall door lock
	BA-P01	黄绿线	PE	grounding

BA					
10				6	
123	133	132	132	111	PE
122A	131	121	118		
5				1	

4	7	8	9	1
131	132	132	133	PE

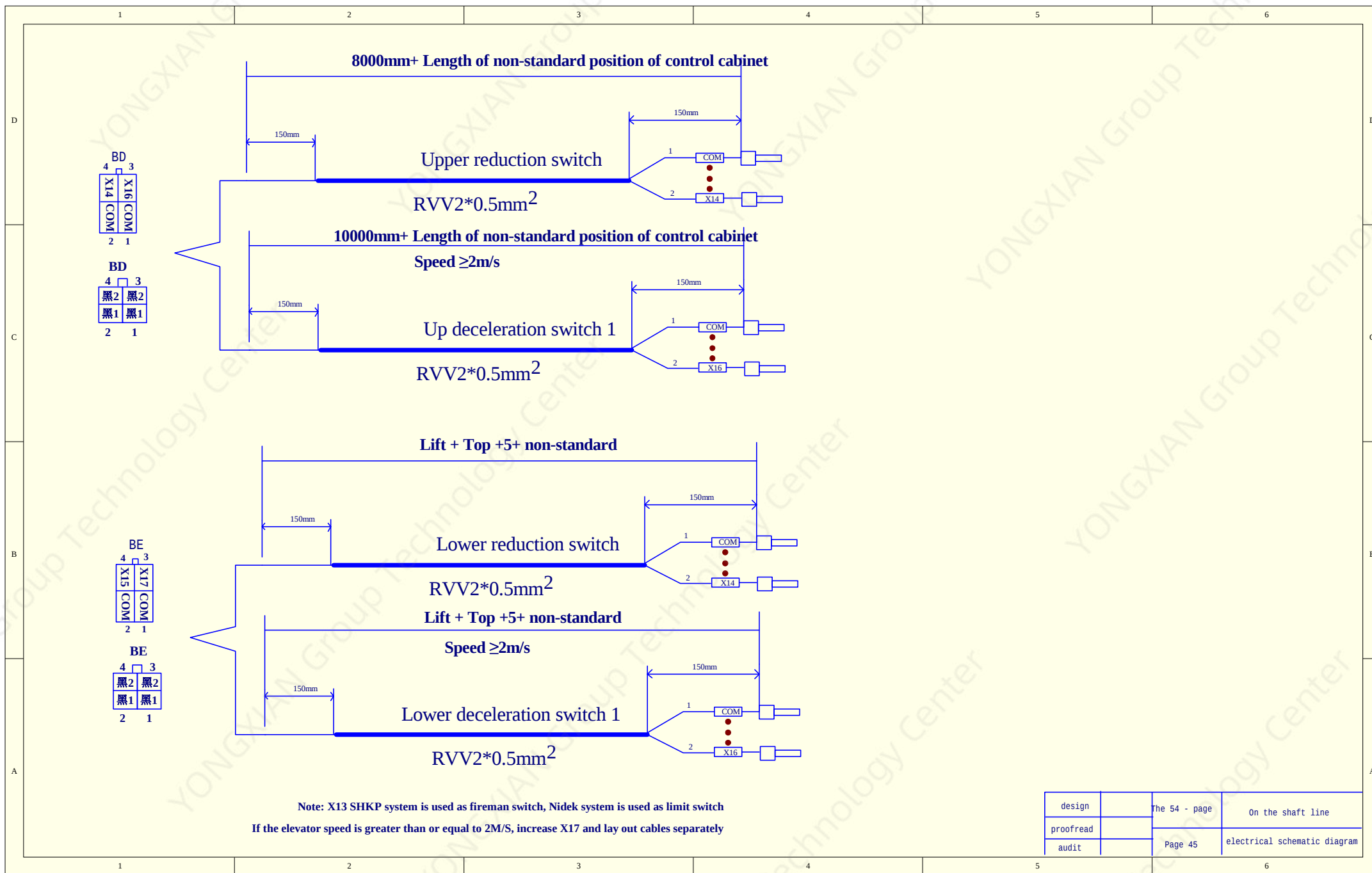
Short circuit 132.133 when there is no rear door



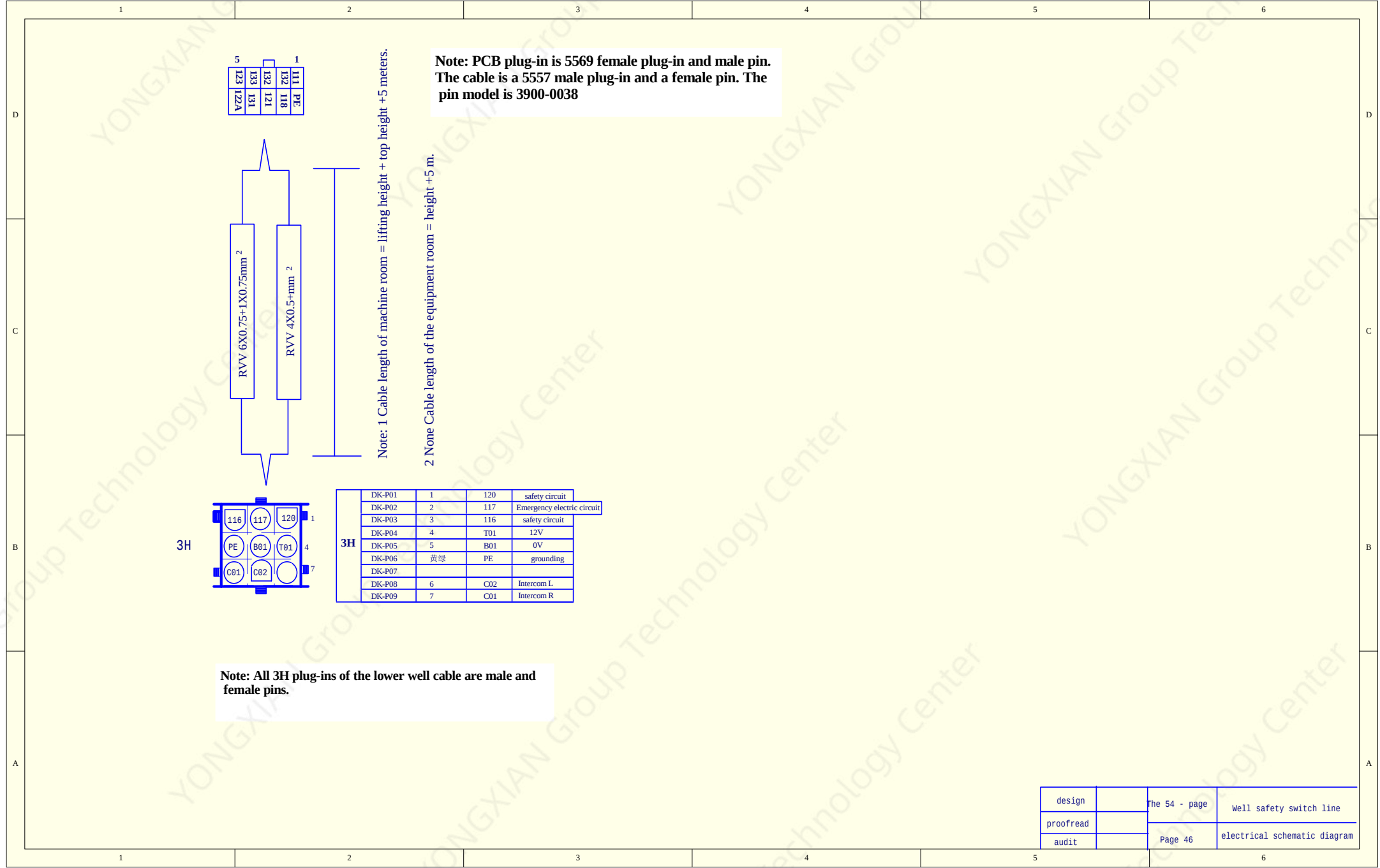
Note: 1 Cable length of machine room = lifting height + top height +5 meters.

2 None Cable length of the equipment room = height +5 m.

Through the hall door lock cable			
design		The 54 - page	
proofread			
audit		Page 44	electrical schematic diagram



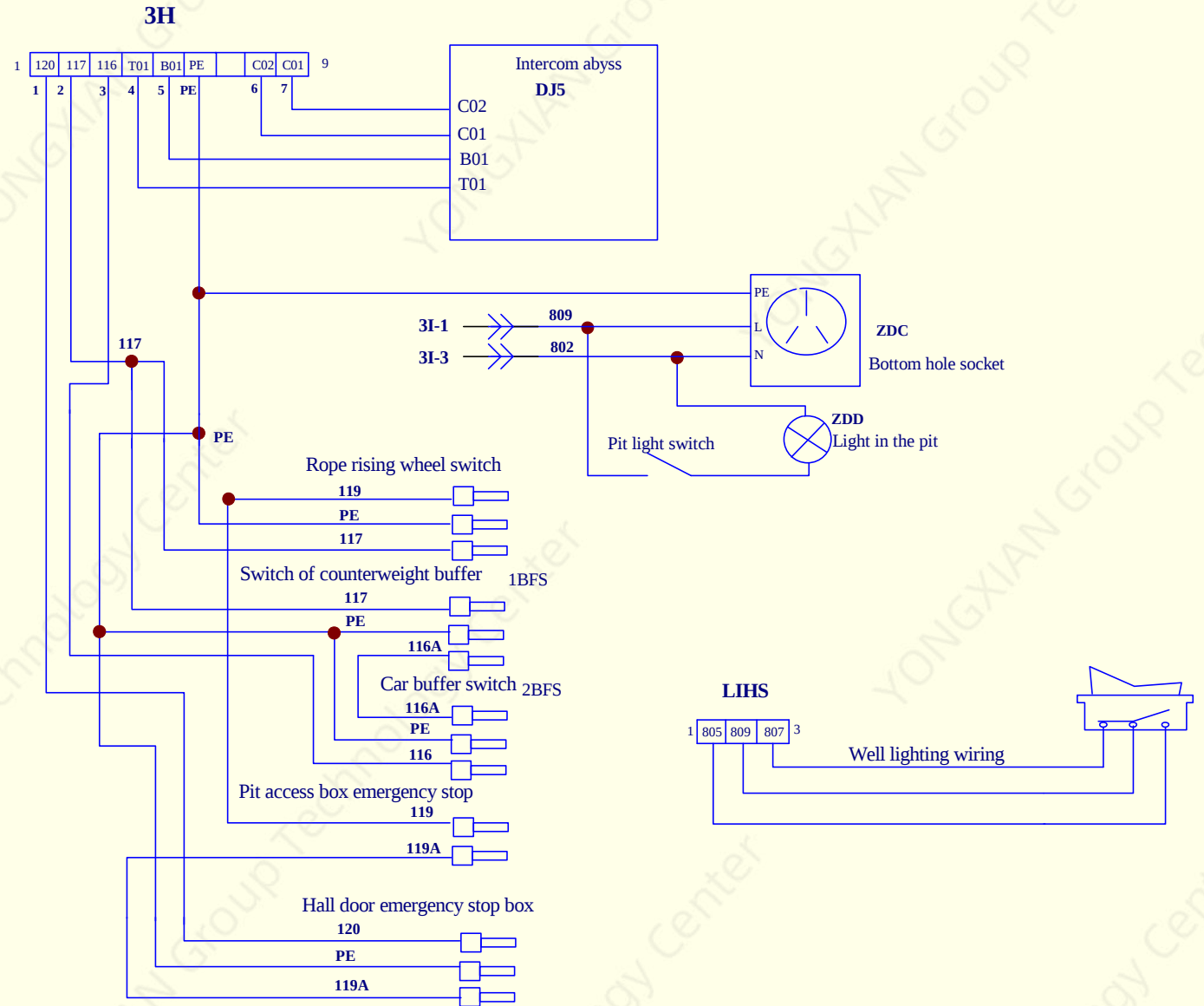
design		The 54 - page	On the shaft line
proofread		Page 45	electrical schematic diagram
audit			



plug-in	number	number	function
3H-P01	1	120	safety circuit
3H-P02	2	117	Emergency electric circuit
3H-P03	3	116	safety circuit
3H-P04	4	T01	Intercom power supply 12V
3H-P05	5	B01	Intercom power supply 0V
3H-P06	PE	PE	grounding
3H-P07			
3H-P08	6	C02	Intercom L
3H-P09	7	C01	Intercom R

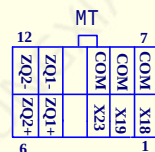
LIHS	LIHS-P01	1	NO	Lighting switch 1
	LIHS-P02	2	COM	common port
	LIHS-P03	3	NC	Lighting switch 2

Note: The pin plug-ins of the maintenance box at the bottom pit and the emergency stop box at the hall door are female and male pins.
The plug-in of the cable is male head and female pin.



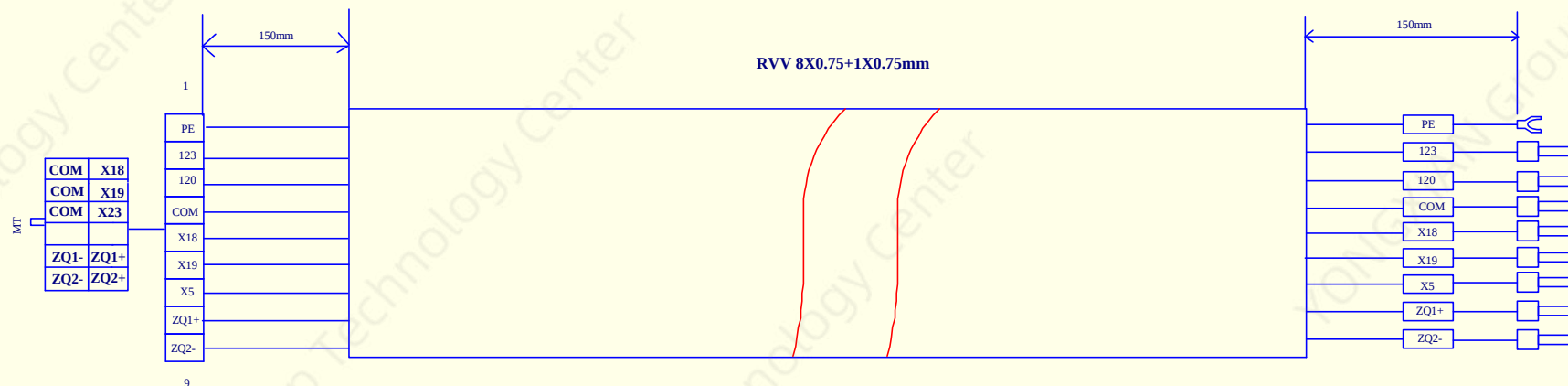
design		The 54 - page	Pit inspection box
proofread		Page 47	electrical schematic diagram
audit			

plug-in	number	number	function
MT-P01	1	X18	Lock switch 1
MT-P02	2	X19	Lock switch 2
MT-P03	3	X23	standby application
MT-P04	4	ZQ1+	Lock power supply 1+
MT-P05	5	ZQ2+	Lock power supply 2+
MT-P06	6	COM	common port
MT-P07	7	COM	common port
MT-P08	8	COM	common port
MT-P09	9	ZQ1-	Lock power supply 1-
MT-P10	10	ZQ2-	Lock power supply 2-



Side of control cabinet

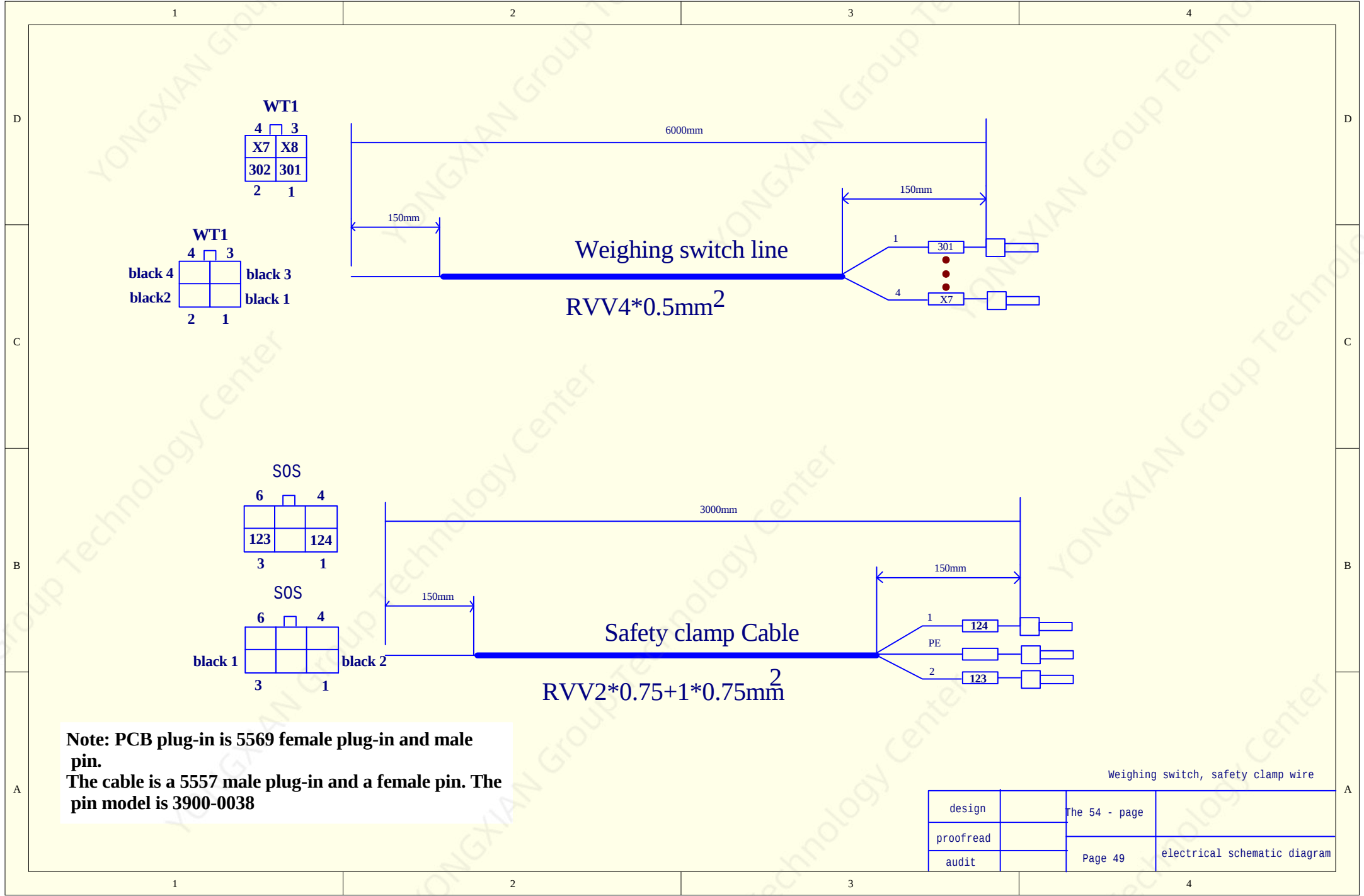
Traction machine side



**Note: PCB plug-in is 5569 female plug-in and male pin.
The cable is a 5557 male plug-in and a female pin. The
pin model is 3900-0038**

Lock, heat sensitive, coil cable

design		The 54 - page	
proofread		Page 47	electrical schematic diagram
audit			



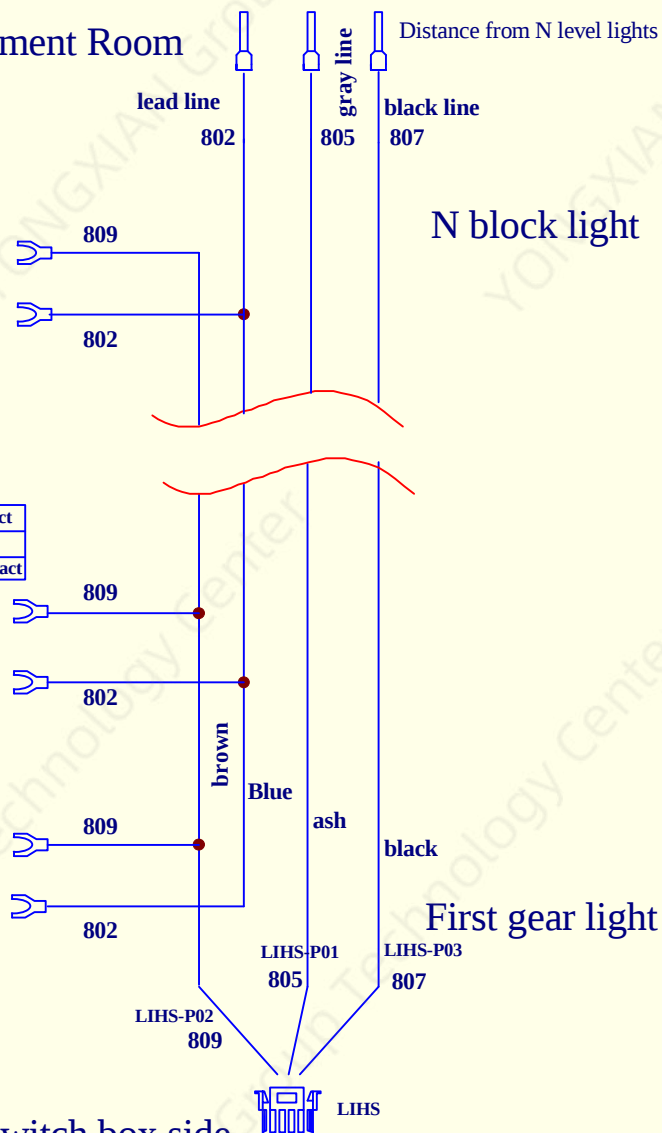
Power supply side of the equipment Room

Distance from N level lights to the equipment room = width of the equipment room + depth of the equipment room

model: E7508

Tubular preinsulated end: 

LIHS	plug-in	number	number	terminal
	LS-P01	1 -- the grey	805	normally open contact
	LS-P02	2 - brown	809	common port
	LS-P03	3 - black	807	normally-closed contact



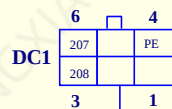
Distance from first gear light to pit 500mm

remark:

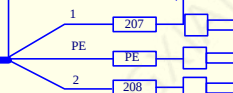
1. The plug-in is equipped with a female pin.
2. The cable length is for reference only and must be adjusted according to the actual situation.

Hall door emergency stop switch box side

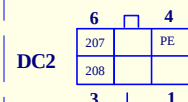
design		The 54 - page	Well path lighting line
proofread		Page 50	electrical schematic diagram
audit			



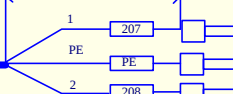
plug-in	number	number	terminal
DC1-P03	1	208	Front door engine power supply L
DC1-P04	PE	PE	ground electrode
DC1-P06	2	207	Front door engine power supply N



Power cable for front door machine $RVV2*0.75+1*0.75mm^2$



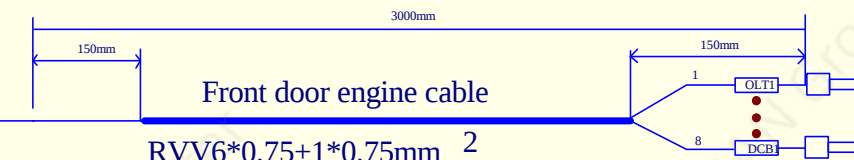
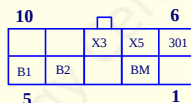
plug-in	number	number	terminal
DC2-P03	1	208	Rear door engine power L
DC2-P04	PE	PE	After the car door lock
DC2-P06	2	207	ground electrode



Power cable for rear door engine $RVV2*0.75+1*0.75mm^2$

plug-in	number	number	terminal
GEN1-P02	1	BM	Open and close the common end
GEN1-P04	2	B2	Closing instructions
GEN1-P05	3	B1	Open the door instruction
GEN1-P06	4	301	Switch threshold Common end
GEN1-P07	5	X5	Close the door limit
GEN1-P08	6	X3	door open limit

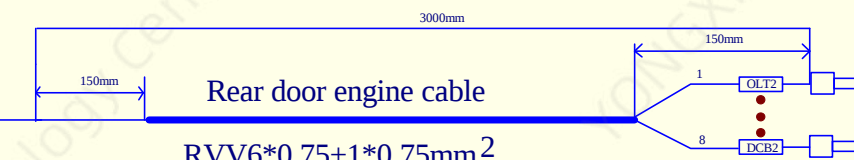
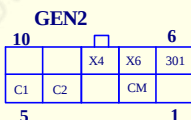
GEN1



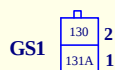
Front door engine cable $RVV6*0.75+1*0.75mm^2$

plug-in	number	number	terminal
GEN2-P02	1	CM	Open and close the common end
GEN2-P04	2	C2	Closing instructions
GEN2-P05	3	C1	Open the door instruction
GEN2-P06	4	301	Switch threshold Common end
GEN2-P07	5	X6	Close the door limit
GEN2-P08	6	X4	door open limit

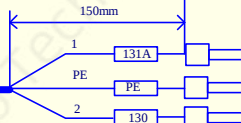
GEN2



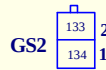
Rear door engine cable $RVV6*0.75+1*0.75mm^2$



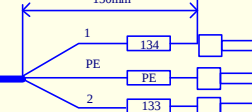
plug-in	number	number	terminal
GS1-P01	1	131A	Before the car door lock
GS1-P02	2	130	Before the car door lock



Front door engine door lock $RVV2*0.75+1*0.75mm^2$



plug-in	number	number	terminal
GS2-P01	1	134	After the car door lock
GS2-P02	2	133	After the car door lock



Rear door engine sedan door lock $RVV2*0.75+1*0.75mm^2$

ote: PCB plug-in is 5569 female plug-in and male pin.
The cable is a 5557 male plug-in and a female pin. The
pin model is 3900-0038

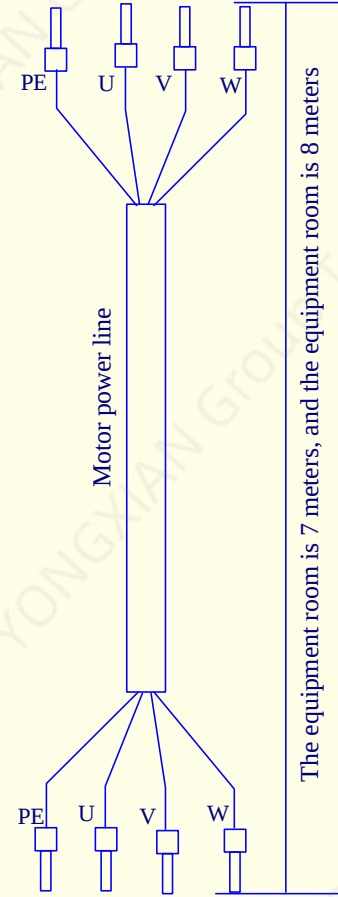
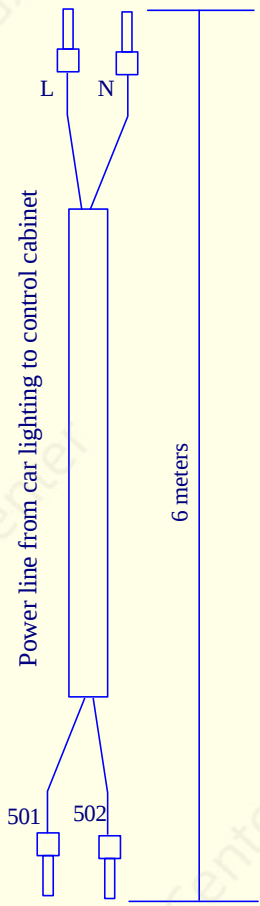
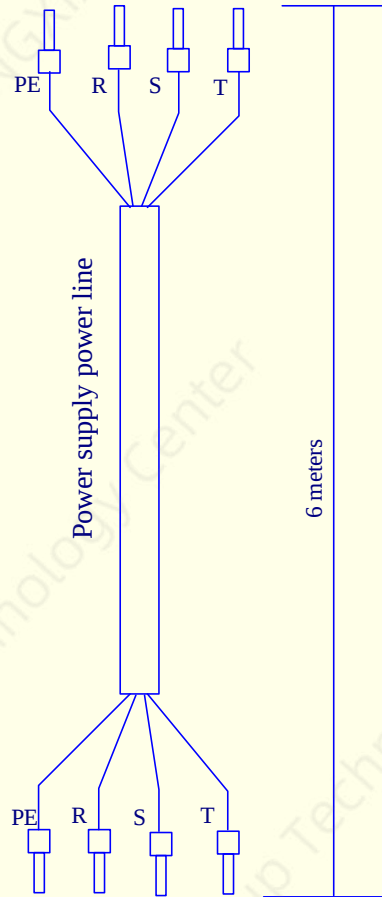
design	The 54 - page	Door engine, car door lock line
proofread	Page 51	electrical schematic diagram
audit		

Power supply power line

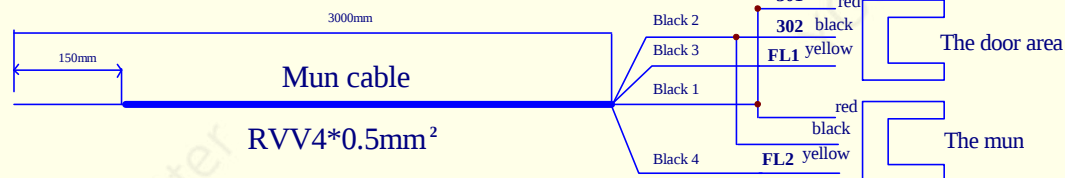
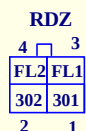
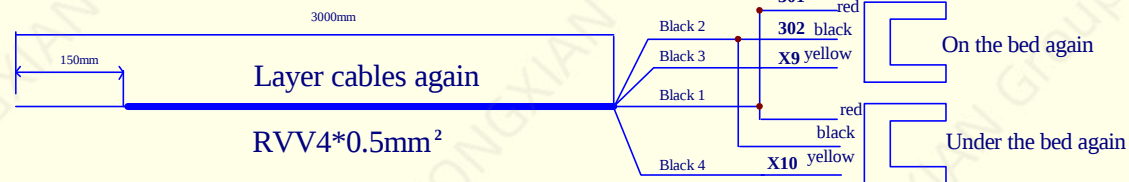
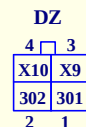
plug-in	number	number	function
P01	1	PE	grounding
P02	2	R	R
P03	3	S	S
P04	4	T	T

Motor power line

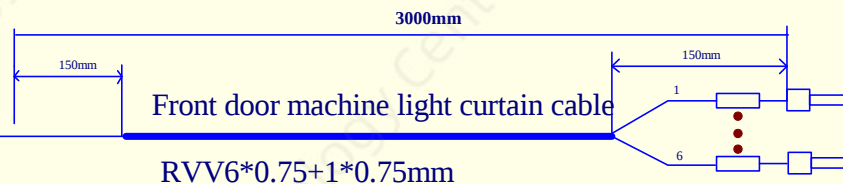
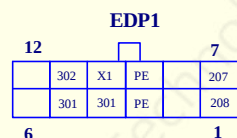
plug-in	number	number	function
P01	1	PE	grounding
P02	2	U	U
P03	3	V	V
P04	4	W	W



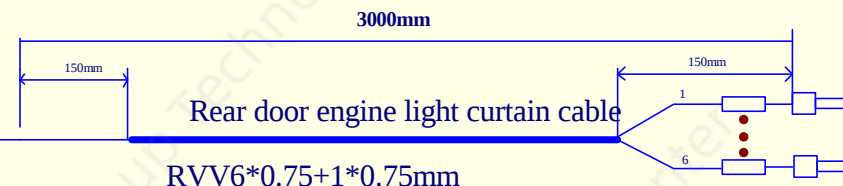
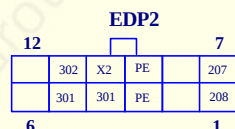
design		The 54 - page	The power lines
proofread		Page 52	electrical schematic diagram
audit			



EDP1	its top plug-in	number	number
	EDP1-P01	1	207
	EDP1-P03	Yellow green line	PE
	EDP1-P04	2	301
	EDP1-P05	3	301
	EDP1-P07	4	207
	EDP1-P10	5	X1
	EDP1-P11	6	202



EDP2	its top plug-in	number	number
	EDP2-P01	1	207
	EDP2-P03	Yellow green line	PE
	EDP2-P04	2	301
	EDP2-P05	3	301
	EDP2-P07	4	207
	EDP2-P10	5	X2
	EDP2-P11	6	202

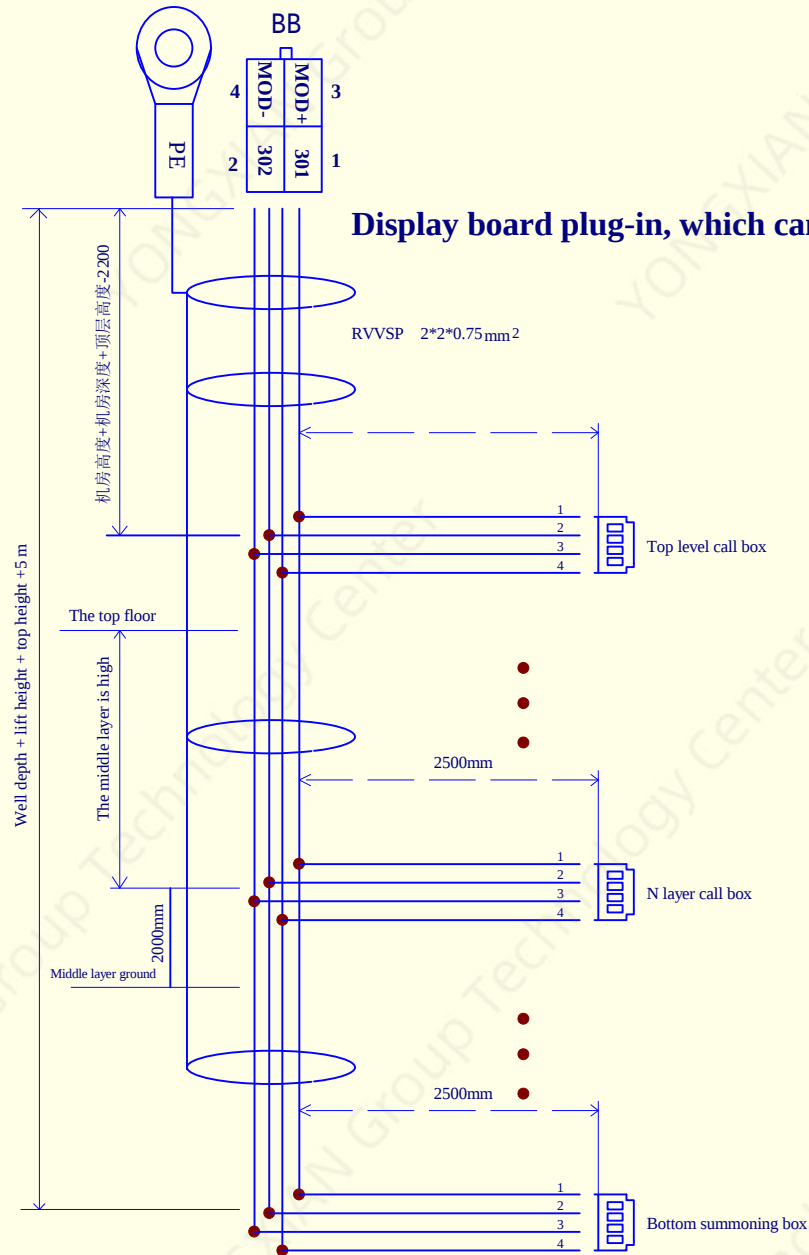


Note: PCB plug-in is 5569 female plug-in and male pin.

The cable is a 5557 male plug-in and a female pin. The

design		The 54 - page	Door area, light curtain line
proofread		Page 53	electrical schematic diagram
audit			

	plug-in	number	number
	PE	shield	PE
BB	BB-P01	1	301
	BB-P02	2	302
	BB-P03	3	MOD+
	BB-P04	4	MOD-



**Note: PCB plug-in is 5569 female plug-in and male pin.
The cable is a 5557 male plug-in and a female pin. The pin model is 3900-0038**

design		The 54 - page	Outgoing communication line
proofread			
audit		Page 54	electrical schematic diagram