Electrical schematic diagram of CTRL71 elevator and ladder

Scope of application: inorganic tenant ladder, freight ladder, sightseeing ladder

Drawing no. : K-D-037-E

Version No. : V2.0

New time KNWC-KZG plug-in board - electrical schematic directory

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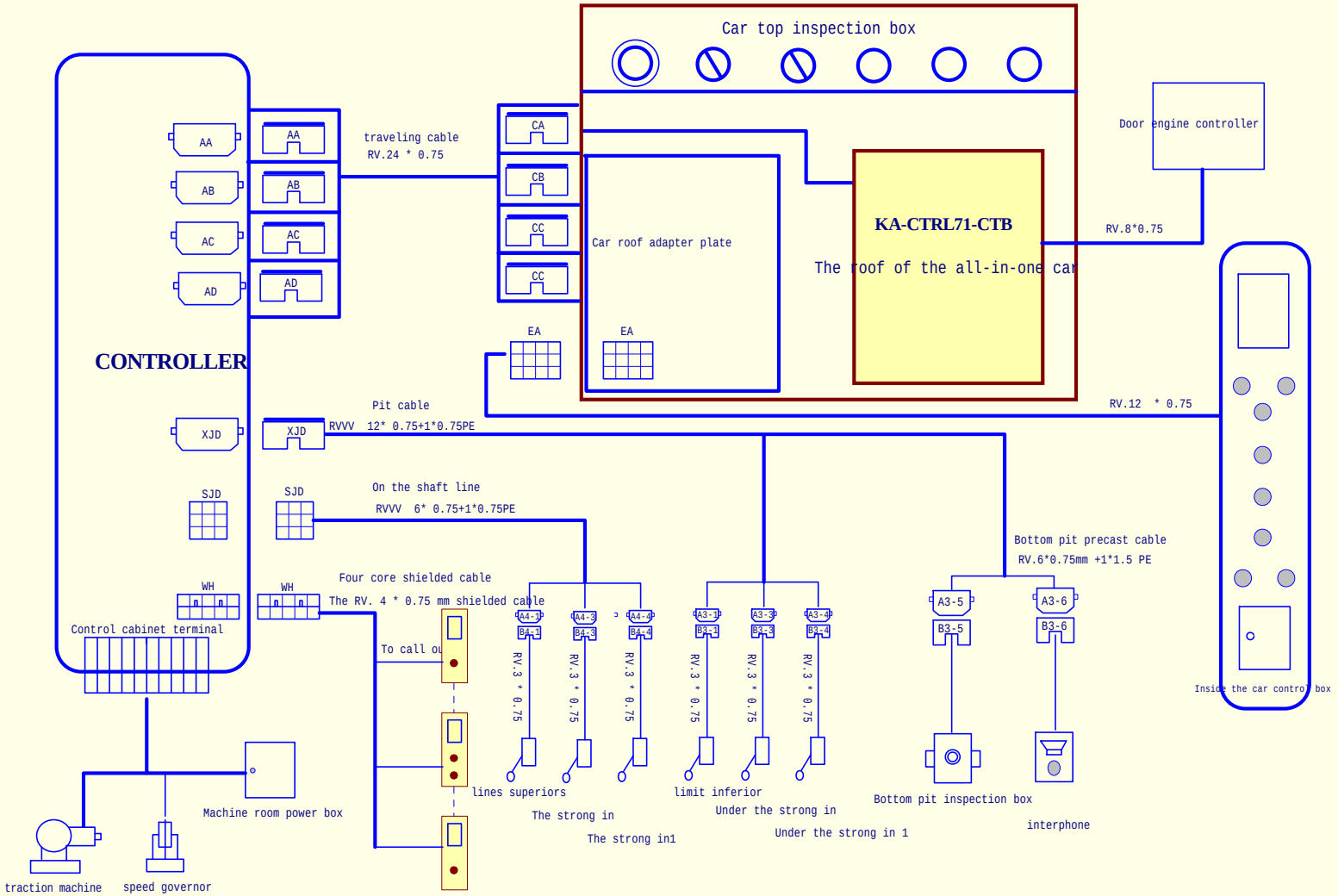
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Drawings change record sheet

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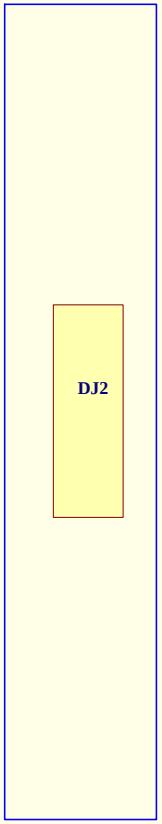
design		total of 45 pages	Drawing change record
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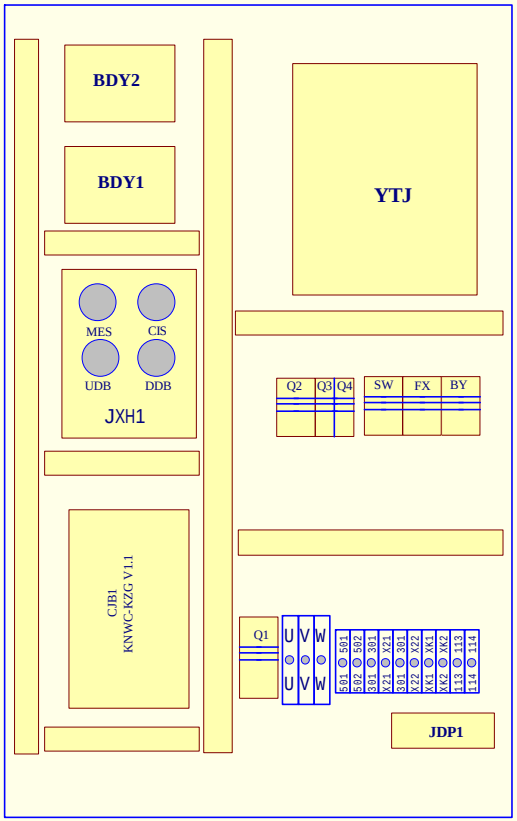
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The layout of the elevator control cabinet in the machine room is available

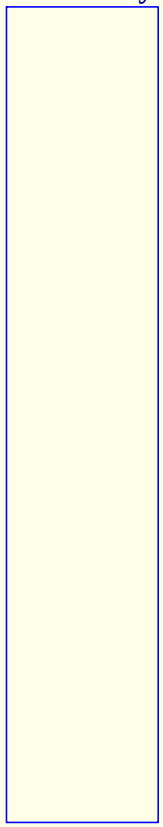
Control cabinet left Side of the layout



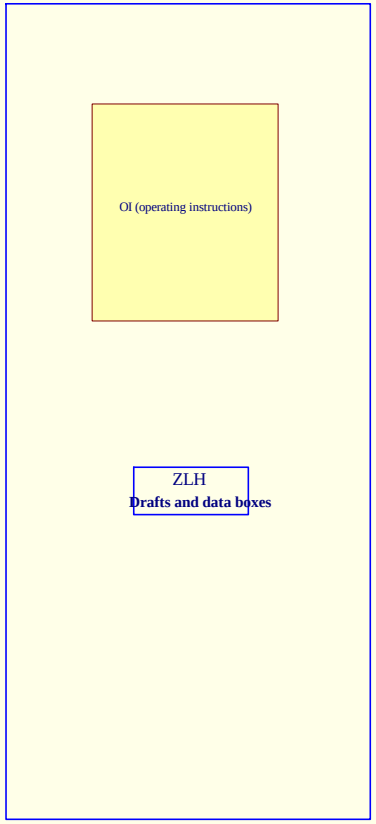
Layout diagram of floor components



Control cabinet to the right Side of the layout

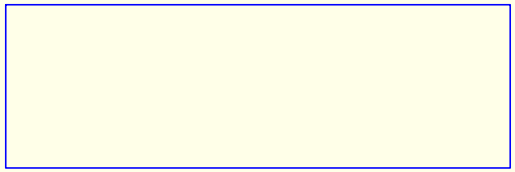


Control cabinet door layout drawing



Components code	Name of the element	Components that
YTJ	converter	CTRL71
Q2	transformer switch	breaker
Q3	Safety circuit switch	10 a circuit breaker
Q4	Hold the gate machine switch	10 a circuit breaker
SW	Running contactor	LC1 N32--125
BY	Brake contactor	LC1 N09
FX	Star sealing contactor	LC1 N09
CJB1	Plug-in board of control cabinet	KNWC-KZG
JDP1	Control cabinet grounding bar	5-bit grounding bar
Q1	main power switch	ABE-63B-60A
DZ	Control cabinet terminal row	Power and terminal
BDY1	transformer	isolation transformer
DJ2	Room intercom	NBT12(1-1)A
JXH1	Control cabinet inspection box	Components that
BDY2	switching power supply	24 v power supply

Control cabinet bottom layout drawing

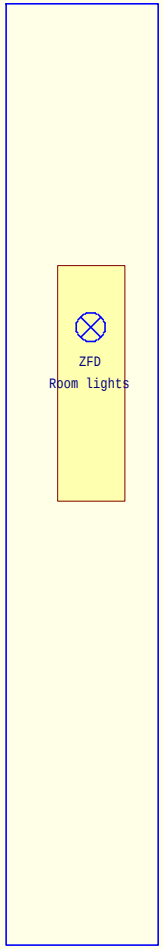


Have the layout of components in the machine room

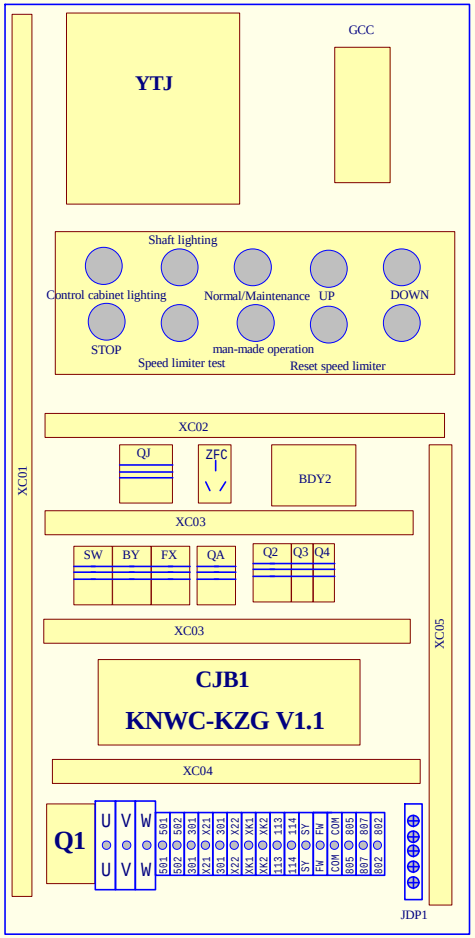
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Machine room - less synchronous elevator control cabinet layout

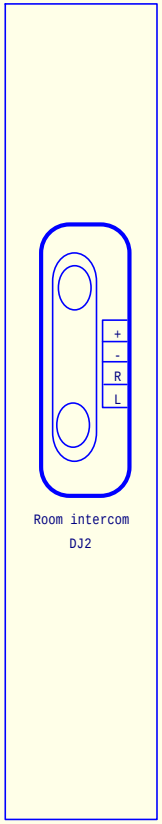
Control cabinet left Side of the layout



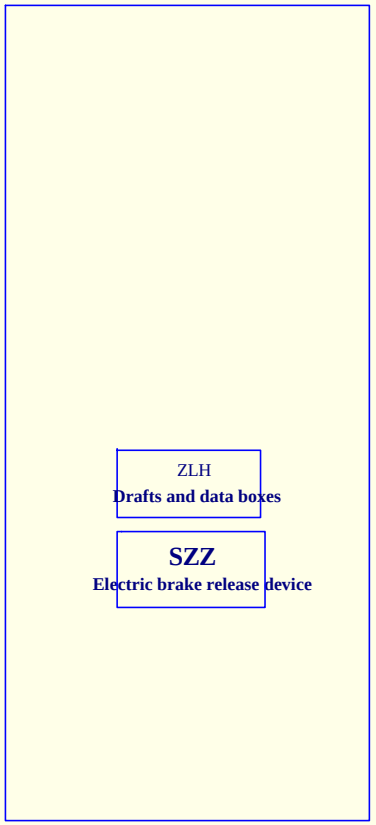
Layout diagram of floor components



Control cabinet to the right Side of the layout



Control cabinet door layout drawing



Components code	Name of the element	Components that
YTJ	converter	CTRL71
GCC	inspection window	Release brake for observation
QA	Cage lighting switch	earth leakage circuit breaker
QJ	Wellway lighting switch	power switch
ZFC	Computer room socket	10 a circuit breaker
Q2	transformer switch	10 a circuit breaker
Q3	Safety circuit switch	10 a circuit breaker
Q4	Hold the gate machine switch	10 a circuit breaker
SW	Running contactor	LC1 N32--125
BY	Brake contactor	LC1 N09
FX	Star sealing contactor	LC1 N09
JXH2	Speed limiter access box	Speed limiter test
CJB1	Plug-in board of control cabinet	KNWC-KZG
JDP1	Control cabinet grounding bar	5-bit grounding bar
Q1	main power switch	ABE-63B-60A
DZ	Control cabinet terminal row	Power and terminal
BDY1	transformer	isolation transformer
DJ2	Room intercom	NBT12(1-1)A
JXH1	Control cabinet inspection box	Components that
SZZ	Electric brake release device	EPB110 type
ZFD	Machine room light	fluorescent lamp
BDY2	switching power supply	24 v power supply

Control cabinet bottom layout drawing



design		total of 45 pages	Room - free component layout
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Drawing code notes

Q1-Qn+1	Air switch	KFW	Speed limiter reset button	2BFS	Car bumper		Normally closed contacts
F1-F+n	fuse	KSY	Speed limiter manually operated switch	1BFS	Weight buffer		Normally open contacts
BDY1-BDY+N	Power transformer	KSJ	The driver	TES	top urgent stop		insurance
JXX	Phase sequence relay	TCI	The car roof repair	CES	car stop		Along with the cable
RZ	Braking resistor	TCIU	Car top maintenance upward	SOS	Safety wrench switch		diode
SW	Output contactor	TCID	Car top maintenance downward				resistance
BY	Lock contactor	CIS	Emergency electric operation	MES	Emergency stop of control cabinet		fan
FX	Star seal contactor	UDB	Emergency power up	KJM	The car door lock		Photoelectric switch
BZK	Lock mechanical switch	DDB	Emergency power down	KTM1-------KTMn	Hall door locks		Key switch
KZC	Speed limiter test equipment	KXF	**Fire control switch**	KST	Ladder lock switch		buzzer
LSD	lower limit position	LWO	The overload switch	FLSU	On the limit		terminal
LSU	upper part of limit	KZS	Cut out switch	FLSD	Under the limit		Terminal row, plug - in
DLS1	Forced speed change	LWX	Full load switch	BZ	brake coil		Indicator light
ULS1	Upper forced speed change	OLT1	Limit for front door closing	ZJF	Computer room socket		coil
DLS2	Forced downward speed change 1	CLT1	Limit for front door opening	ZJD	Its top outlet		grounding
ULS2	Upward forced speed change 1	AGM	close button	ZDK	Bottom hole socket		node
GMQ	flat area	AKM	Open button				button
KXQ	Speed limiter reset device	EDP1	The front screen				
ZCW	Speed limiter test button	KSSX	Uplink overspeed protection switch			PG	The encoder
ZJX	Capsules lighting	OS	Speed limiter				
ZFS	Capsules fan	PES2	Hall door stop			DY	The motor
ZKM	Car lighting switch	PES1	Pit stop				
ZKS	Cage fan switch	GTS	Cord wheel switch				The brake coil
DMO	Door machine power supply						
							As the clock
							Travel switch
							Splice pieces

Symbols that

Description of circuit board

Integrated controller

CTRL71

Roof communication board

KA-CTRL71-CTB

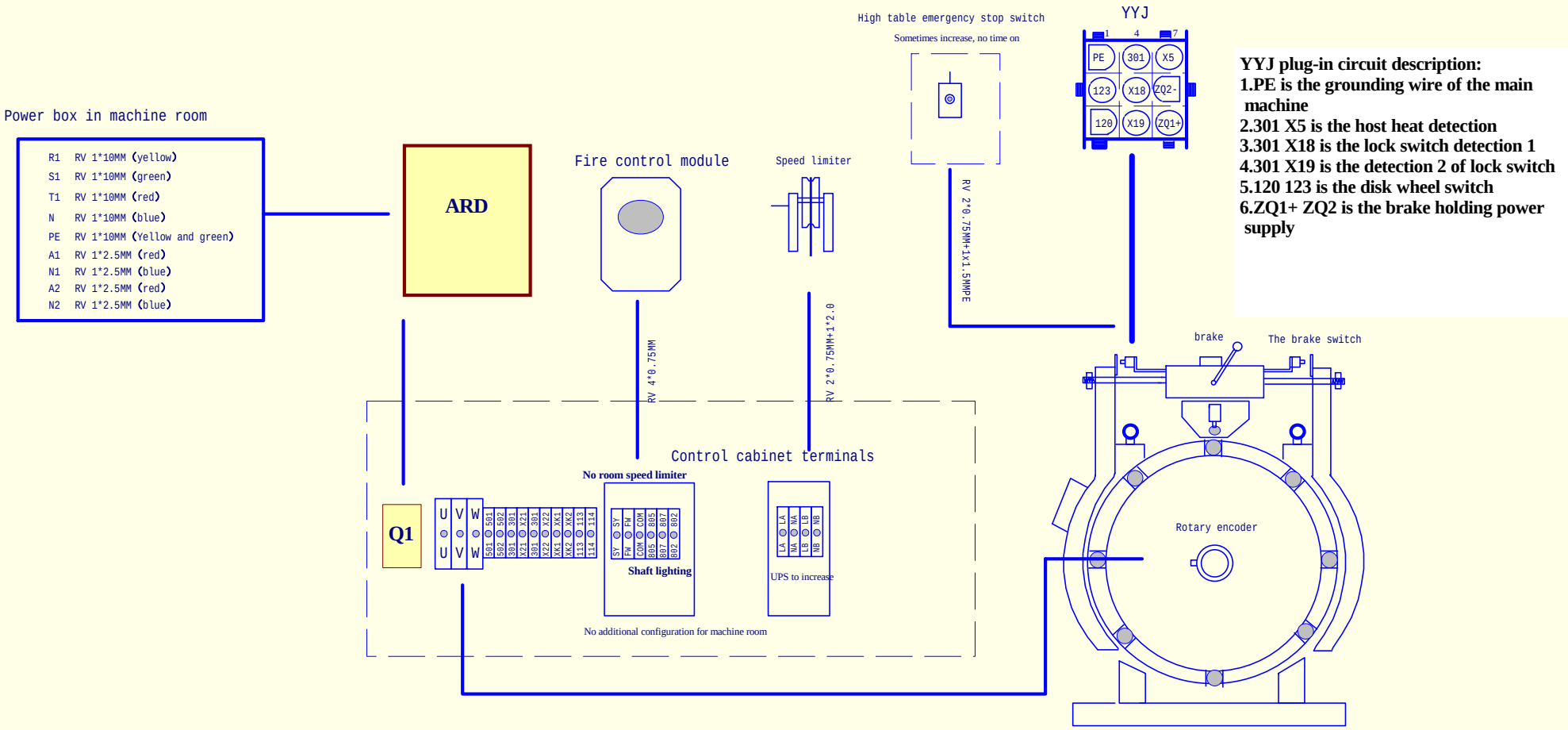
Car command board

ICAL-08CW-B

Control cabinet plug-in board

KNWC-KZG V1.4

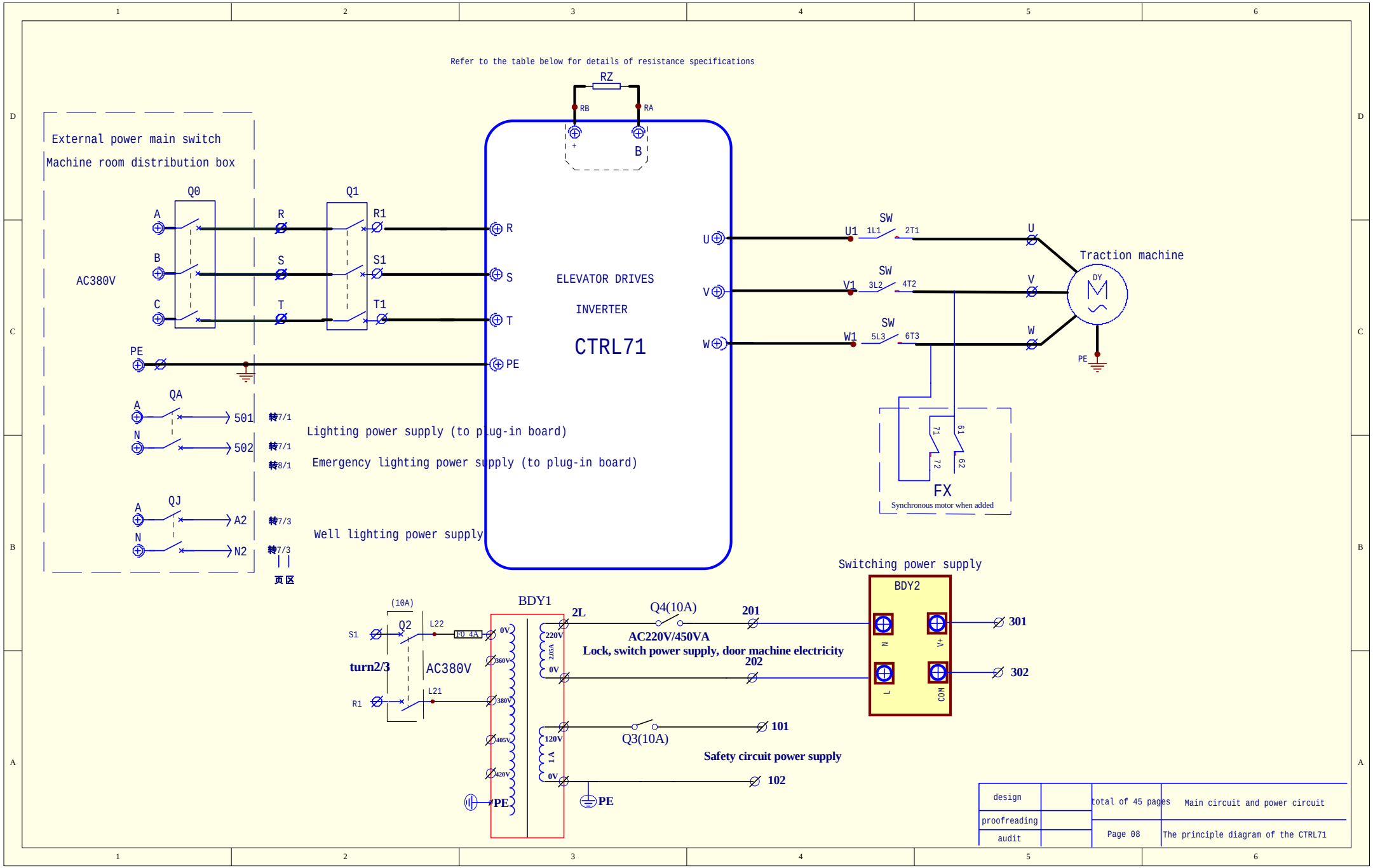
design		total of 45 pages	Components, packaging code
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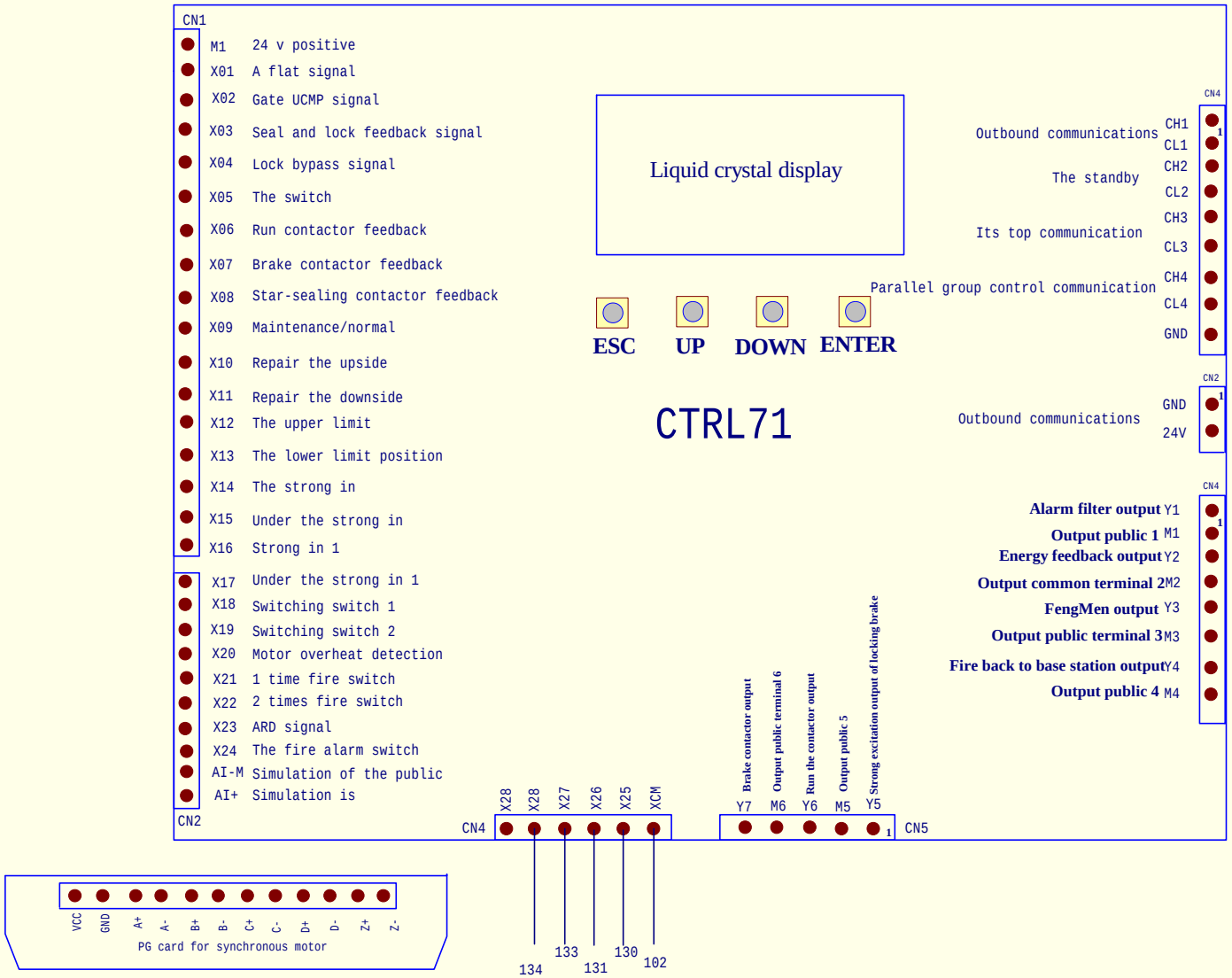


YYJ plug-in circuit description:
1.PE is the grounding wire of the main machine
2.301 X5 is the host heat detection
3.301 X18 is the lock switch detection 1
4.301 X19 is the detection 2 of lock switch
5.120 123 is the disk wheel switch
6.ZQ1+ ZQ2 is the brake holding power supply

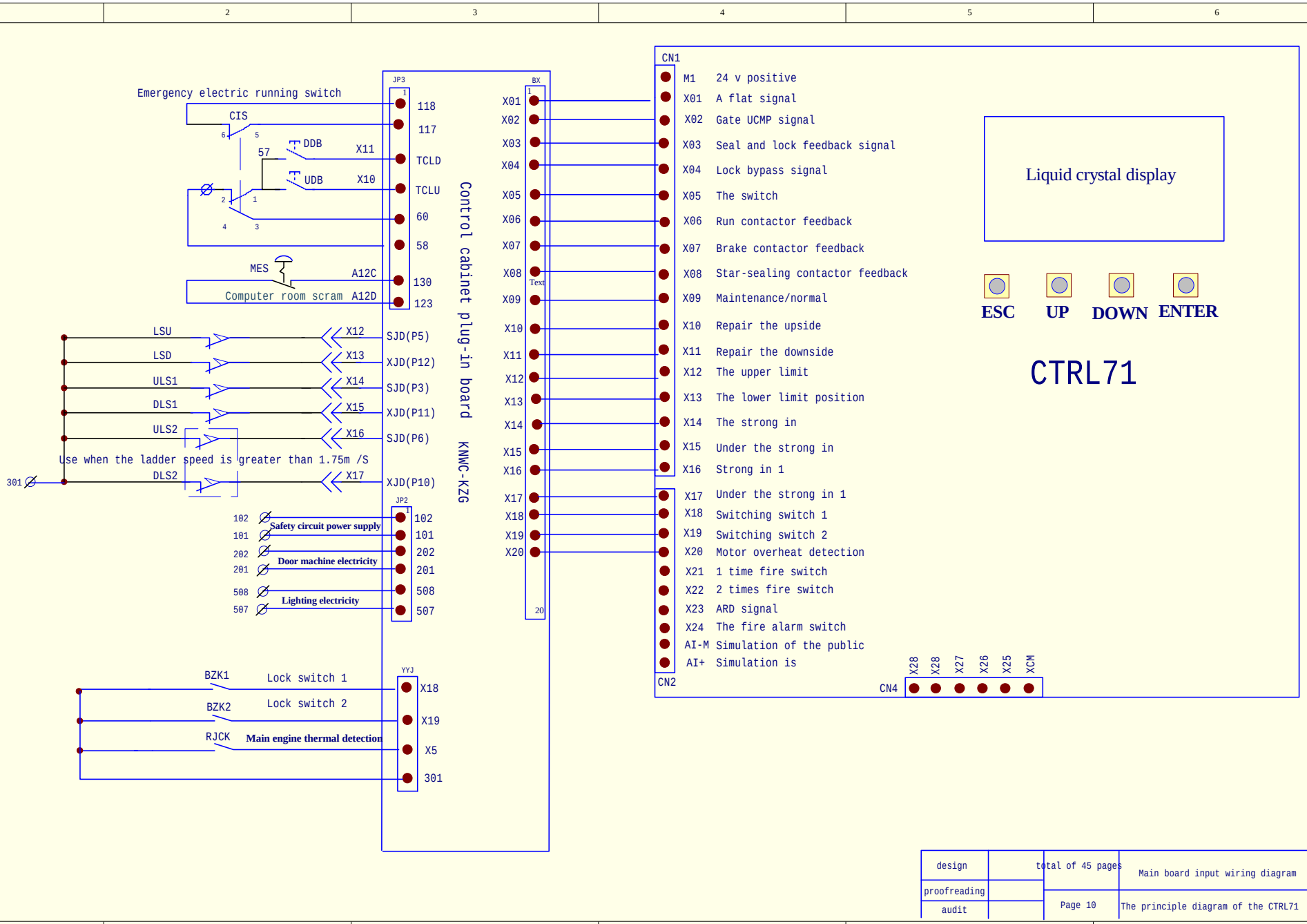
1.501 502 cage lighting machine room power box access
2. 301 X21 ARD start signa
3. 301 X22 fire input signal
4. XK1 XK2 fire return signal to the fire control room
5. Speed limiter circuit to speed limiter switch

design		total of 45 pages	Machine room wiring diagram
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Refer to the table below for details of resistance specifications
RZ
RB
RA
B
External power main switch
Machine room distribution box
Q0
Q1
A
B
C
R
S
T
R1
S1
T1
AC380V
PE
QA
501
502
转7/1
转7/1
转8/1
Lighting power supply (to plug-in board)
Emergency lighting power supply (to plug-in board)
QJ
A2
N2
转7/3
转7/3
Well lighting power supply
页区
ELEVATOR DRIVES
INVERTER
CTRL71
U
V
W
U1
V1
W1
SW
1L1
2T1
3L2
4T2
5L3
6T3
Traction machine
DY
71
72
61
62
FX
Synchronous motor when added
(10A)
Q2
L22
L21
S1
R1
turn2/3
AC380V
FU 4A
0V
360V
380V
405V
420V
PE
BDY1
2L
220V
260A
0V
Q4(10A)
201
202
AC220V/450VA
Lock, switch power supply, door machine electricity
120V
1 A
Q3(10A)
101
Safety circuit power supply
102
PE
Switching power supply
BDY2
N
L
V+
VO
301
302
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Page 08
Main circuit and power circuit
The principle diagram of the CTRL71



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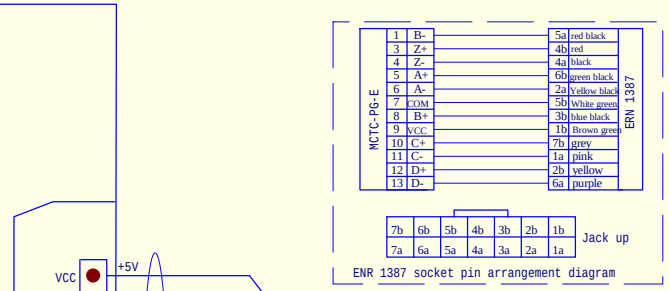


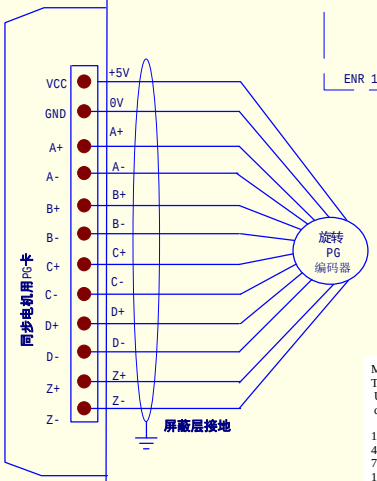
design		total of 45 pages	Main board input wiring diagram
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Liquid crystal display

ESC UP DOWN ENTER

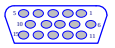
CTRL71

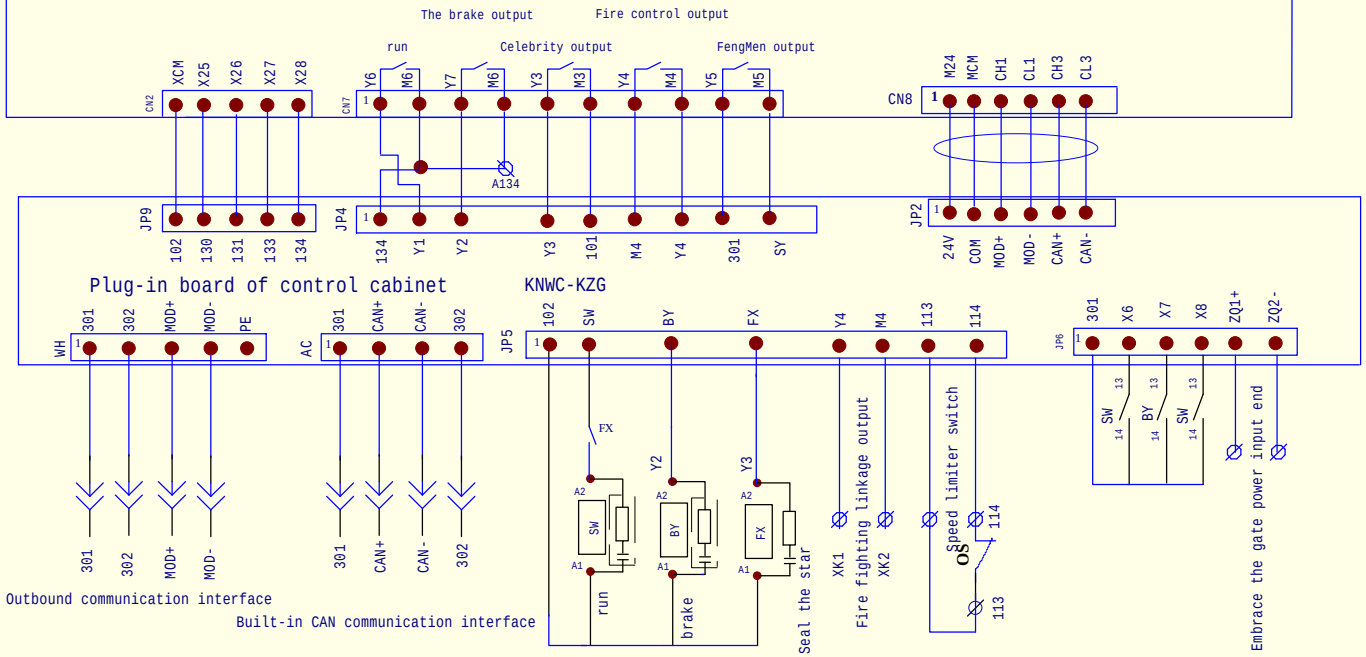




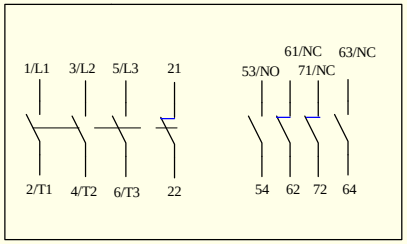
McTc-pg-e wiring instructions
The CN1 port of McTc-pg-e
USES the d-type 15-pin (DB15)
connector

1: b-2: NC 3: Z+
4: Z- 5: A+ 6: A-
7: COM 8: B+ 9: VCC
10: C+ 11: C- 12: D+
13: d-14: NC 15: NC

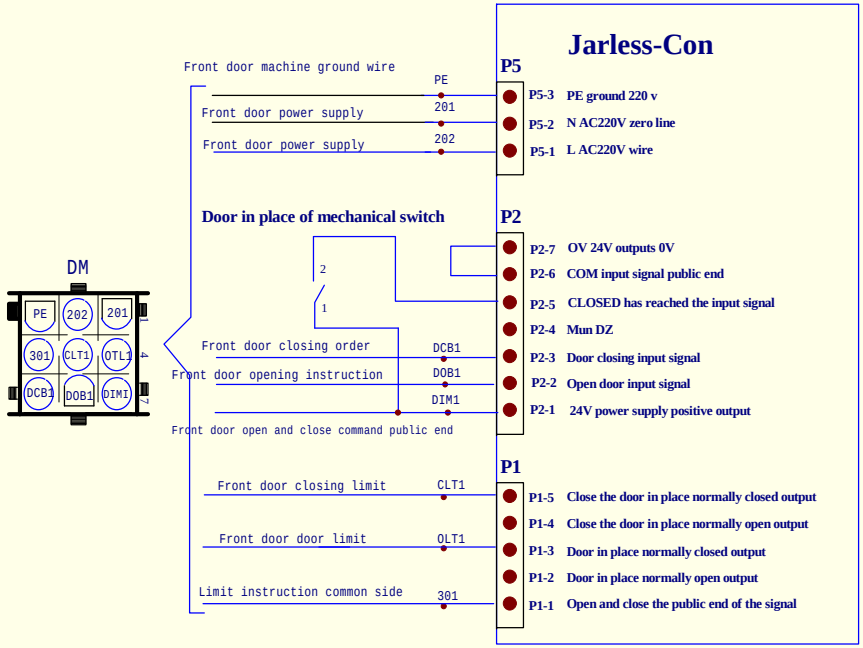


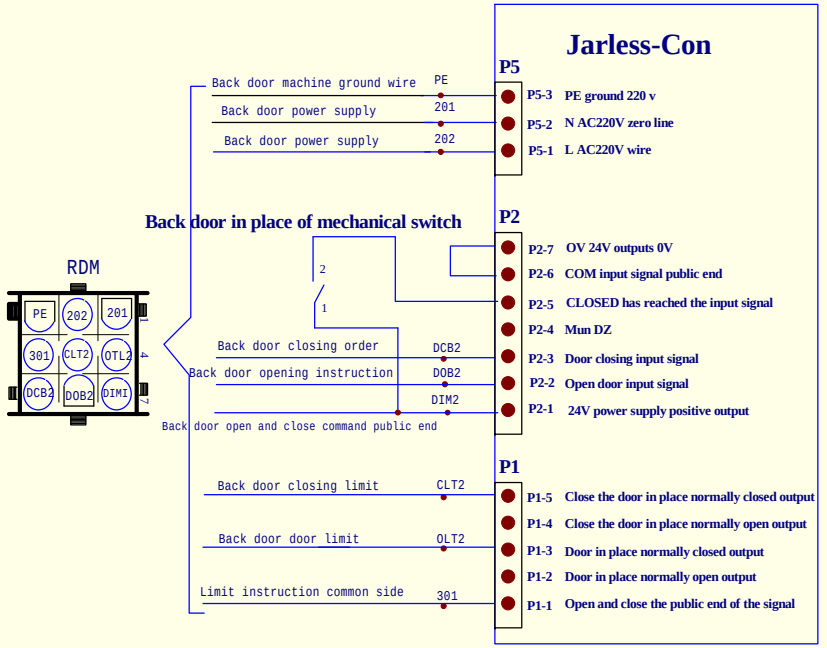


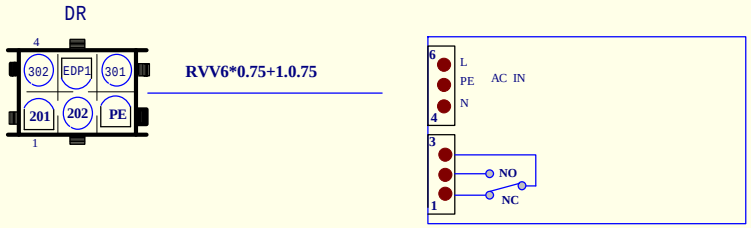
Schematic diagram of contact points of schneider -E/N series contactor



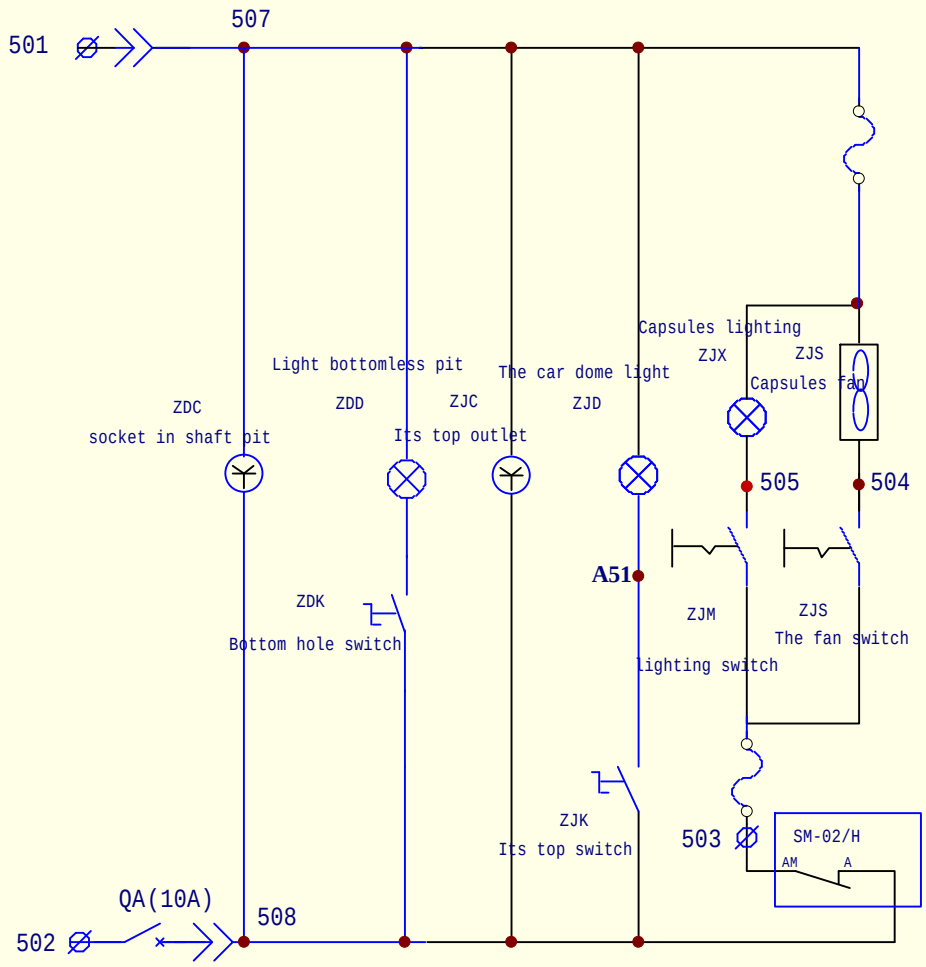
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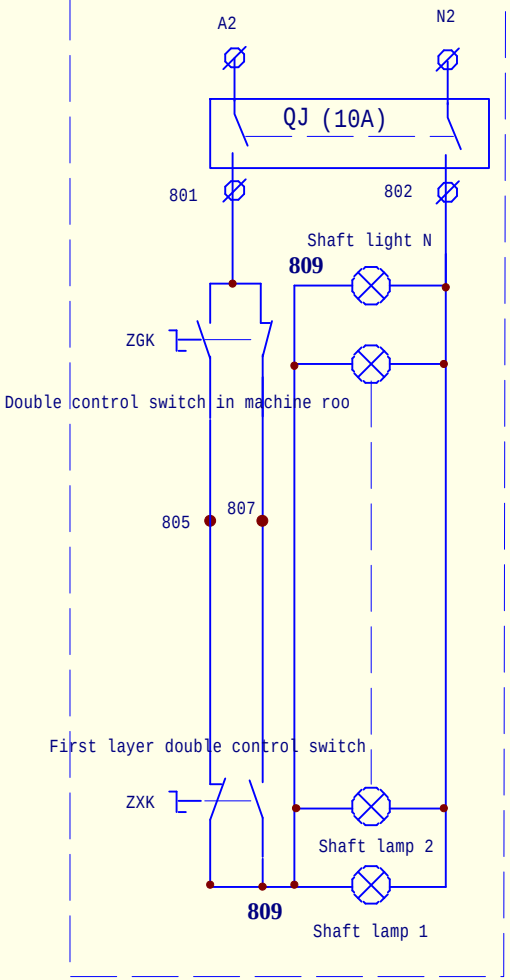


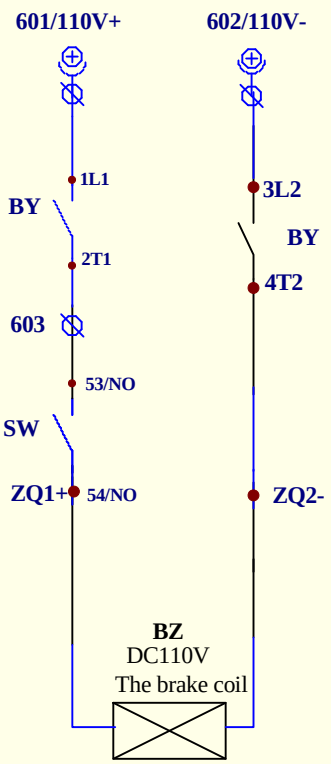




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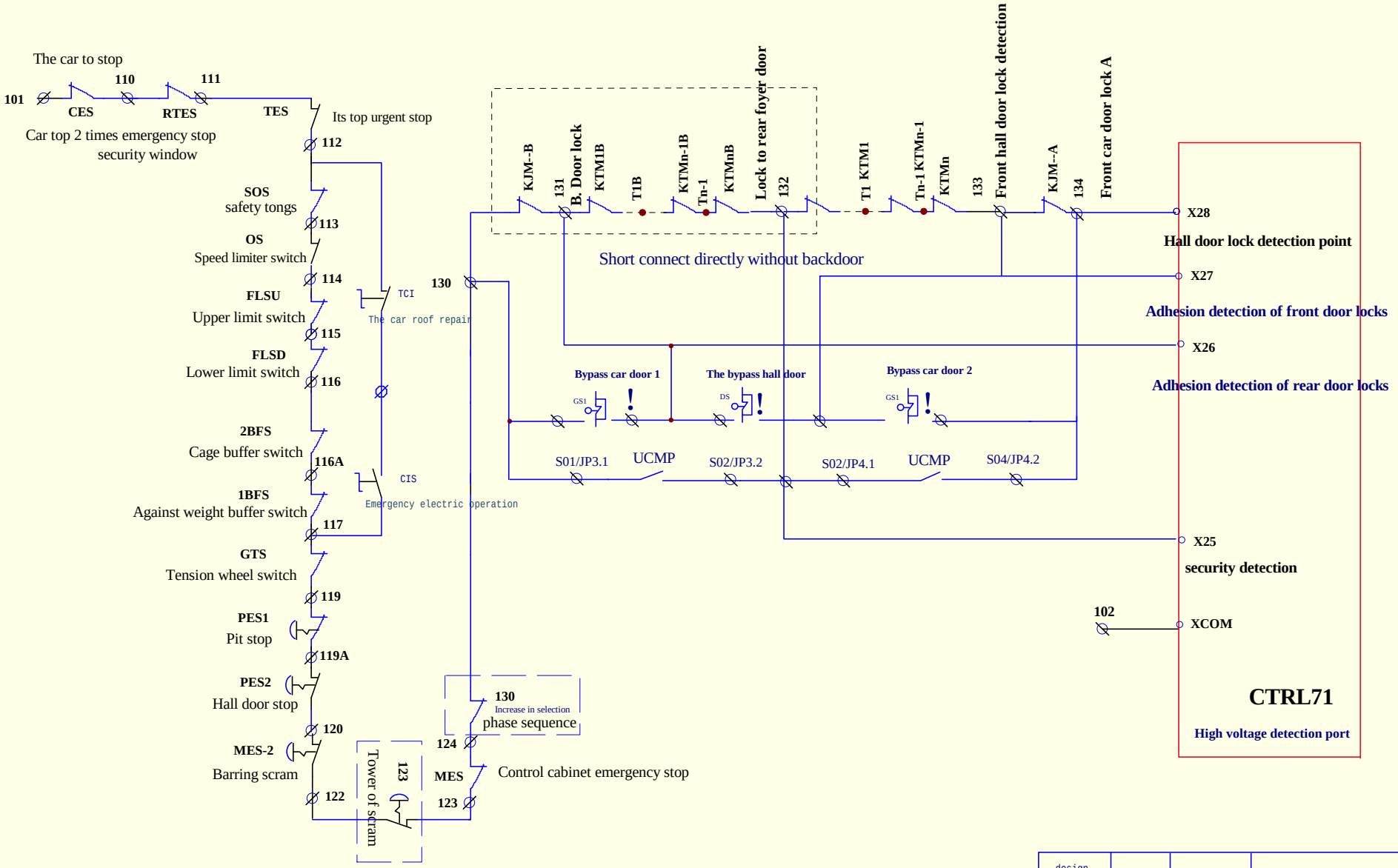




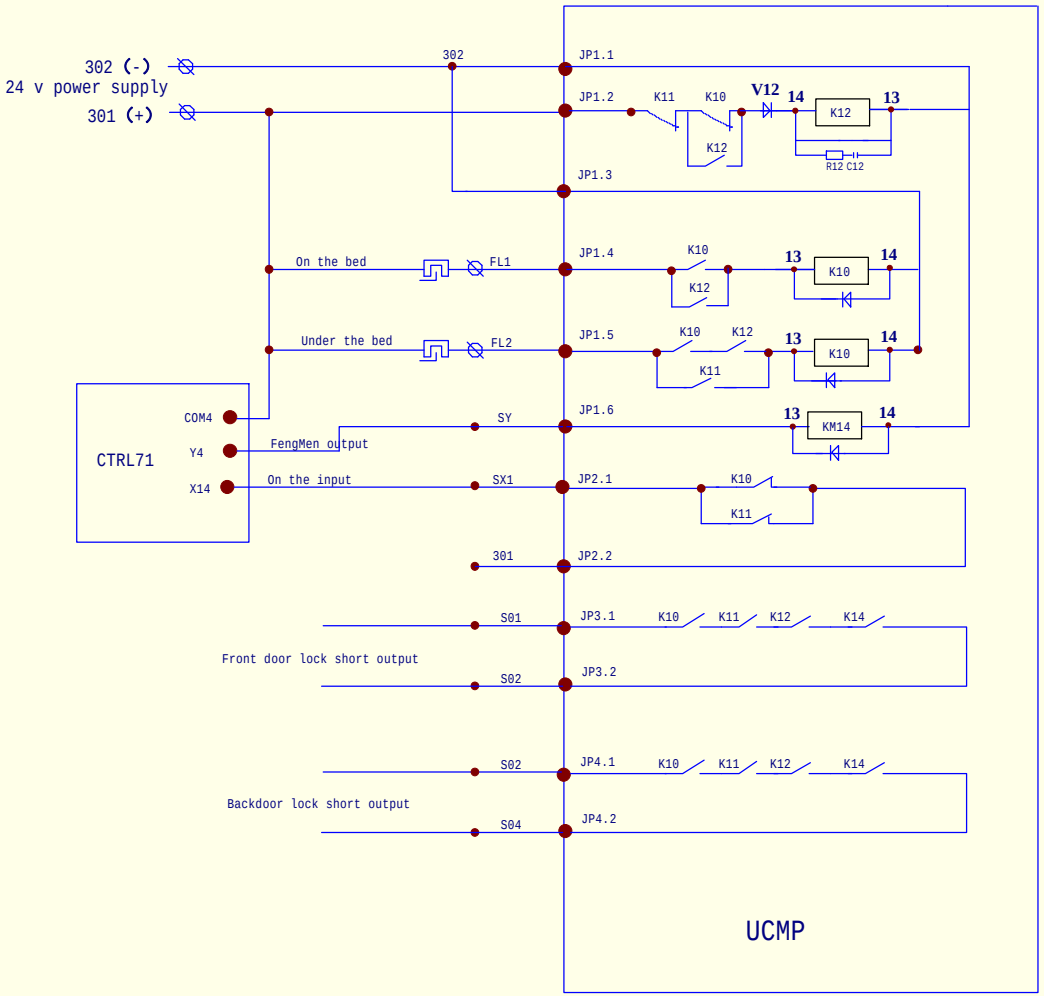
Note: 1. No machine room is equipped with machine room lighting and socket

2. Lighting and socket are not required for the machine room

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UCMP function setting and test method of synchronous machine:

(1) Before the test, it is necessary to confirm that the elevator UCMP function parameter setting and installation wiring have been completed;In field operation, safety must be the first purpose;

A test:

A. Concompany that the mainboard X18 at the detection point of the switch has been set to normally closed input, and the bit0 in K6-19 has been closed for automatic reset of switch fault;

B. The elevator is in the state of no-load, running to the position of a floor, so that the elevator is in the state of maintenance;

C. Remove the wiring of terminal post BK1 in the terminal box, the main board will report E21 fault, and the elevator will not operate normally until the fault is reset;Recovery terminal

BK1 wiring, fault elimination;

D. Remove the wiring of terminal post BK2 in the terminal box with the same result as step C;

E. Short-connect the control cabinet ZK07/4 (BK1) to ZK07/6 (COM) pins with short wiring. The main board will report E10 failure, and the elevator in operation (including inspection)

Repair or normal operation) immediately stop and cannot run again before the fault is reset;Remove short wiring, reset the fault;

F. Short-connect control cabinet ZK07/5 (BK2) to ZK07/6 (COM) pins with short wiring, the same result as step E;

G. Do the above experiments in step E and step F. If E10 failure is reported and maintenance cannot be run, the test is judged to be qualified;

Test 2 (do not do test 2 when the elevator has no function of "opening the door in advance, opening the door and leveling the floor") :

A. Set bit9 in K6-19 to 1 and turn on UCMP function;

B. When the elevator is in the no-load state, it runs to the position of the door area on the middle floor (i.e. the input point X1 and X2 of the main control board are on) and closes the door in place, then the control cabinet will be put in place

The emergency electric switch is placed in the emergency electric position (that is, the input point of the main control board X9 is off) to ensure that no one enters or leaves the car, and the parameters of the main control board are set quickly

K3-09(maintenance operation speed)=150 (0.15m/s);

C. After confirming that the door is closed in place, the parameter K7-08=1 of the main control board can be set (open the UCMP test function). At this time, the output point of the main control board door sealing is valid (i.e Y3 indicator light);

D. Tuck UCMP test switch UK1 in the control cabinet, and the back door lock loop is disconnected;

E. Hold down the slow up button in the control cabinet, and the elevator will start the UCMP test operation, and the elevator will run at the maintenance speed;

F. When the car leaves the door area (i.e., the main control board input point X1 is on and X2 is off), UCMP protection action is taken, the elevator stops, and the elevator reports UCMP fault E44.

Elevators are not allowed to operate;

G. Open the door of the floor where the car is (pay attention to personal safety), and measure the vertical distance between the floor door and the floor of the car, no more than 344.6mm;

Then the test is judged to be qualified;

CTRL71 system

System Debugging Manual

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Date of signature Approve page number P/Total 41/52 version ver.a00

H. After the test, pull back the UCMP test switch UK1 in the control cabinet. In the maintenance state, set the main control board parameter K7-10 as 1 to reset the UCMP fault.

Then press the slow down button in the control cabinet, return to the position of the flat door area (i.e., the input points of the main control board X1 and X2 are on), and set the parameters of the main control board K3-09(maintenance)

Running speed)=300 (0.3m/s);

After the above test is qualified, the elevator must be confirmed that there is no problem, and then the emergency electric switch of the control cabinet will be placed in the automatic position, and the elevator will be restored to normal use.

(2) Synchronous machine increase (brake brake force detection)

A. Make the elevator in maintenance state, set K7-09 mode: "manual", press the maintenance up button, the main board Y3 door output, Y6 output (MC1)

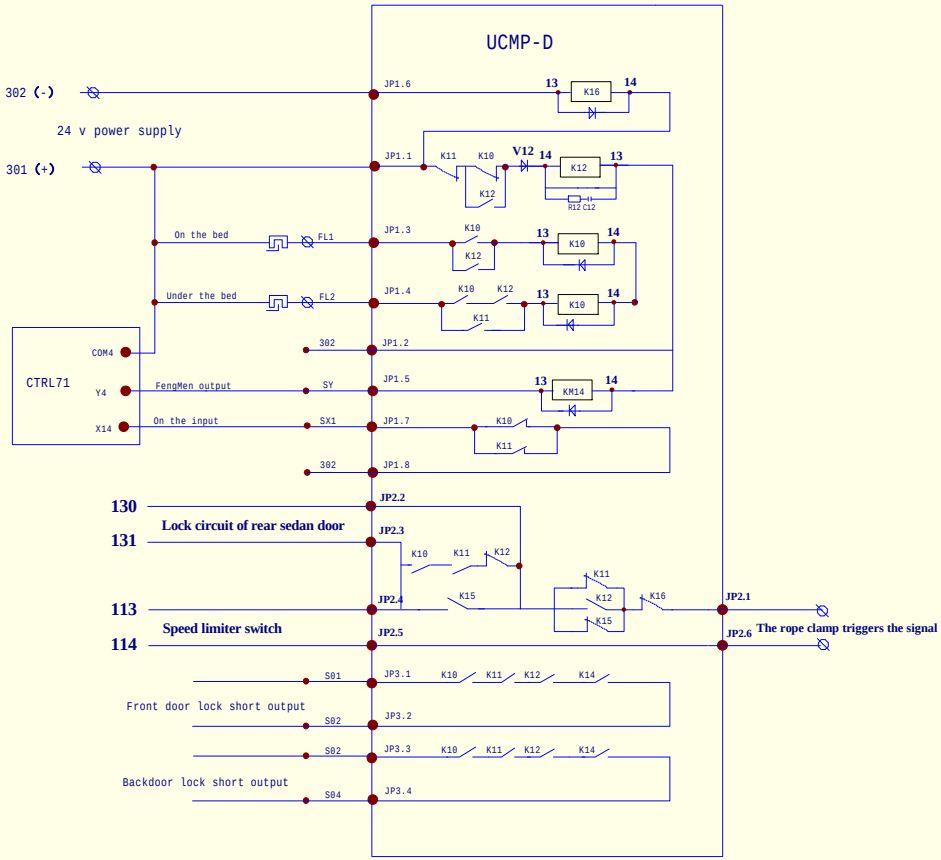
The main contactor pulls), Y7 does not output (JBZ brake contactor keeps releasing), the frequency converter runs to output the driving torque, and the brake force is detected with electricity

Electromechanical flow sound, immediately return to normal after detection;K7-09 time: the countdown is restored

Synchronizing loop diagram of UCMP at Systat

Note: The synchronization host is used when moving unexpectedly

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UCMP function setting and test method of synchronous machine:

(1) Before the test, it is necessary to confirm that the elevator UCMP function parameter setting and installation wiring have been completed;In field operation, safety must be the first purpose;

A test:

A. Concompany that the mainboard X18 at the detection point of the switch has been set to normally closed input, and the bit0 in K6-19 has been closed for automatic reset of switch fault;

B. The elevator is in the state of no-load, running to the position of a floor, so that the elevator is in the state of maintenance;

C. Remove the wiring of terminal post BK1 in the terminal box, the main board will report E21 fault, and the elevator will not operate normally until the fault is reset;Recovery terminal BK1 wiring, fault elimination;

D. Remove the wiring of terminal post BK2 in the terminal box with the same result as step C;

E. Short-connect the control cabinet ZK07/4 (BK1) to ZK07/6 (COM) pins with short wiring. The main board will report E10 failure, and the elevator in operation (including inspection) Repair or normal operation) immediately stop and cannot run again before the fault is reset;Remove short wiring, reset the fault;

F. Short-connect control cabinet ZK07/5 (BK2) to ZK07/6 (COM) pins with short wiring, the same result as step E;

G. Do the above experiments in step E and step F. If E10 failure is reported and maintenance cannot be run, the test is judged to be qualified;

Test 2 (do not do test 2 when the elevator has no function of "opening the door in advance, opening the door and leveling the floor") :

A. Set bit9 in K6-19 to 1 and turn on UCMP function;

B. When the elevator is in the no-load state, it runs to the position of the door area on the middle floor (i.e. the input point X1 and X2 of the main control board are on) and closes the door in place, then the control cabinet will be put in place

The emergency electric switch is placed in the emergency electric position (that is, the input point of the main control board X9 is off) to ensure that no one enters or leaves the car, and the parameters of the main control board are set quickly

K3-09(maintenance operation speed)=150 (0.15m/s);

C. After confirming that the door is closed in place, the parameter K7-08=1 of the main control board can be set (open the UCMP test function). At this time, the output point of the main control board door sealing is valid (i.e Y3 indicator light);

D. Tuck UCMP test switch UK1 in the control cabinet, and the back door lock loop is disconnected;

E. Hold down the slow up button in the control cabinet, and the elevator will start the UCMP test operation, and the elevator will run at the maintenance speed;

F. When the car leaves the door area (i.e., the main control board input point X1 is on and X2 is off), UCMP protection action is taken, the elevator stops, and the elevator reports UCMP fault E44.

Elevators are not allowed to operate;

G. Open the door of the floor where the car is (pay attention to personal safety), and measure the vertical distance between the floor door and the floor of the car, no more than 344.6mm;

Then the test is judged to be qualified;

CTRL71 system

System Debugging Manual

Sign Amount Update No. Signature Date Check Code Q/JWB004-2020

Date of signature Approve page number P/Total 41/52 version ver.a00

H. After the test, pull back the UCMP test switch UK1 in the control cabinet. In the maintenance state, set the main control board parameter K7-10 as 1 to reset the UCMP fault.

Then press the slow down button in the control cabinet, return to the position of the flat door area (i.e., the input points of the main control board X1 and X2 are on), and set the parameters of the main control board K3-09(maintenance)

Running speed)=300 (0.3m/s);

After the above test is qualified, the elevator must be confirmed that there is no problem, and then the emergency electric switch of the control cabinet will be placed in the automatic position, and the elevator will be restored to normal use.

(2) Synchronous machine increase (brake brake force detection)

A. Make the elevator in maintenance state, set K7-09 mode: "manual", press the maintenance up button, the main board Y3 door output, Y6 output (MC1)

The main contactor pulls), Y7 does not output (JBZ brake contactor keeps releasing), the frequency converter runs to output the driving torque, and the brake force is detected with electricity

Electromechanical flow sound. immediately return to normal after detection:K7-09 time: the countdown is restored

Remark:

1. The power supply of this circuit shall be subject to the physical object

2. When the rope clamp is triggered as no signal,
113 and 114 are directly connected to the rope gripper

3. When the trigger signal of the rope clamp is an active signal,
113 power supply is positive, 114 rope clamp trigger signal is positive,
The power supply is negative to the rope clamp trigger signal negative pole.

Note: The asynchronous host is used for unexpected movement

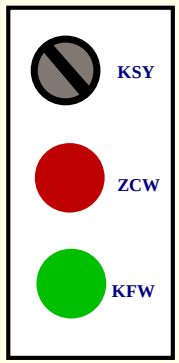
Synchronizer UCMP asynchronous loop diagram

design		total of 45 pages	
proofreading			
audit		Page 16	The principle diagram of the CTRL71

Note: 201.202 is AC220V power supply and 301.302 is DC24V power supply. The voltage is selected according to the voltage of the speed limiter

Speed limiter test reset button box

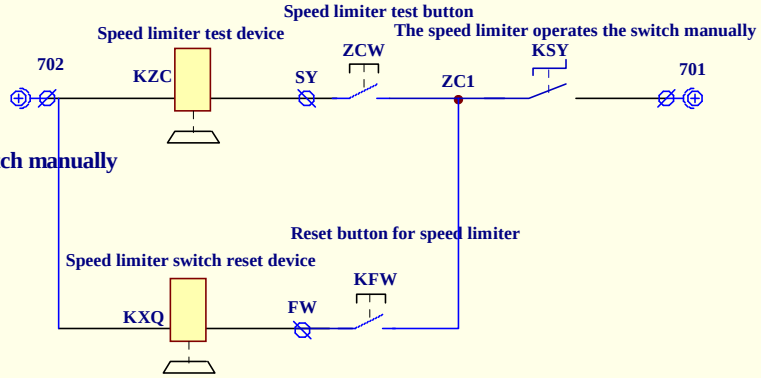
JXH2

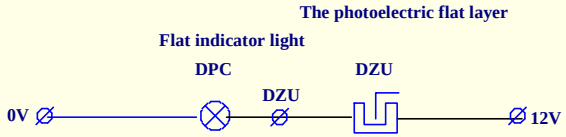


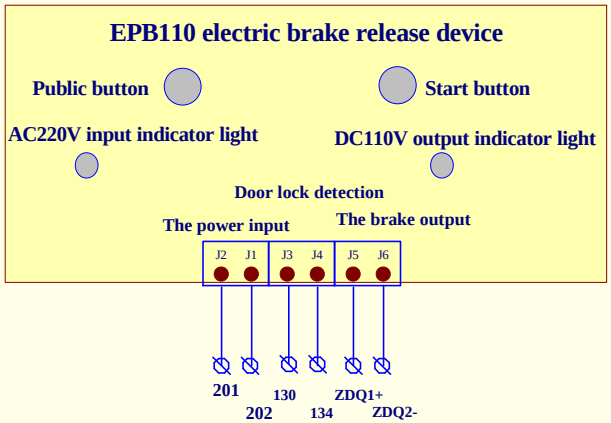
KSY — The speed limiter operates the switch manually

ZCW — Speed limiter test button

KFW — Reset button for speed limiter

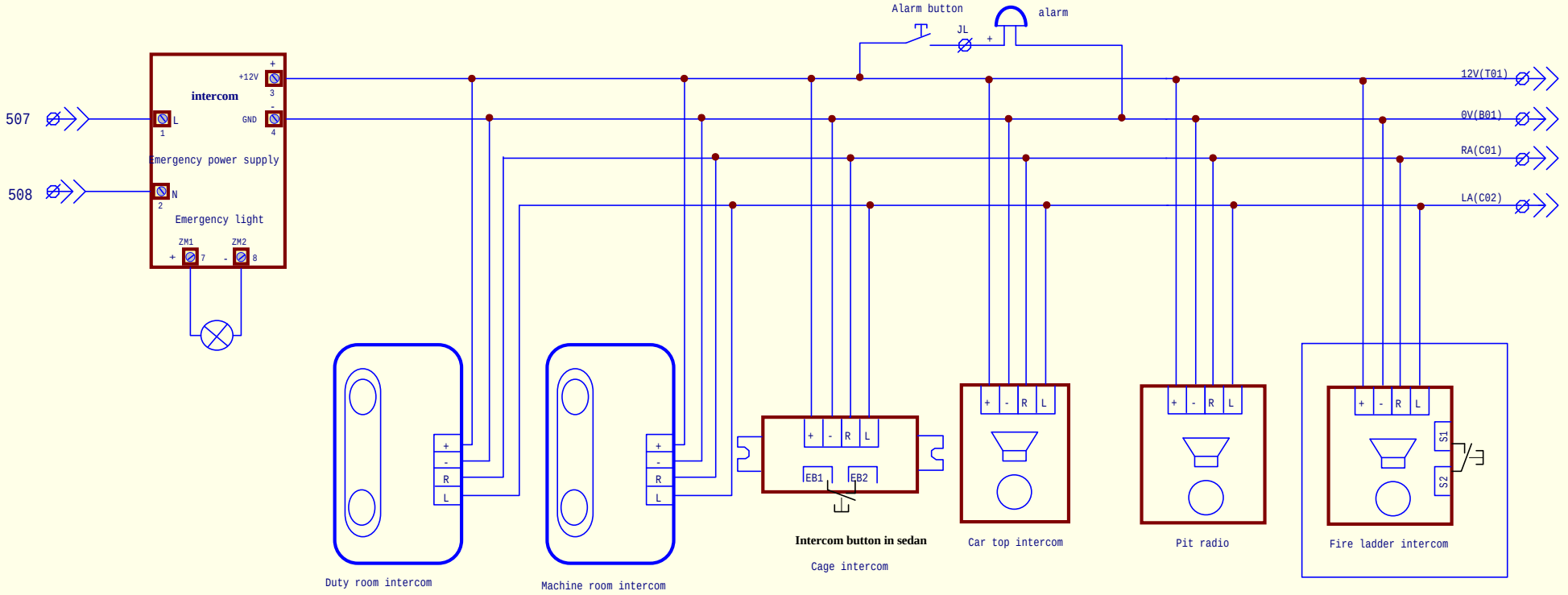






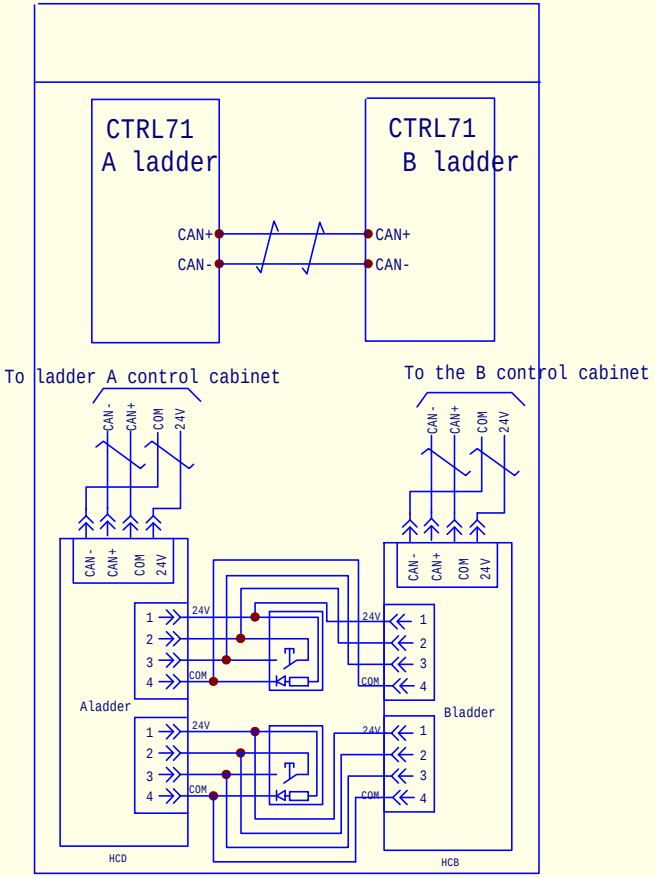
Speed limiter and electric release brake

design		total of 45 pages	
proofreading		Page 17	The principle diagram of the AS380
audit			

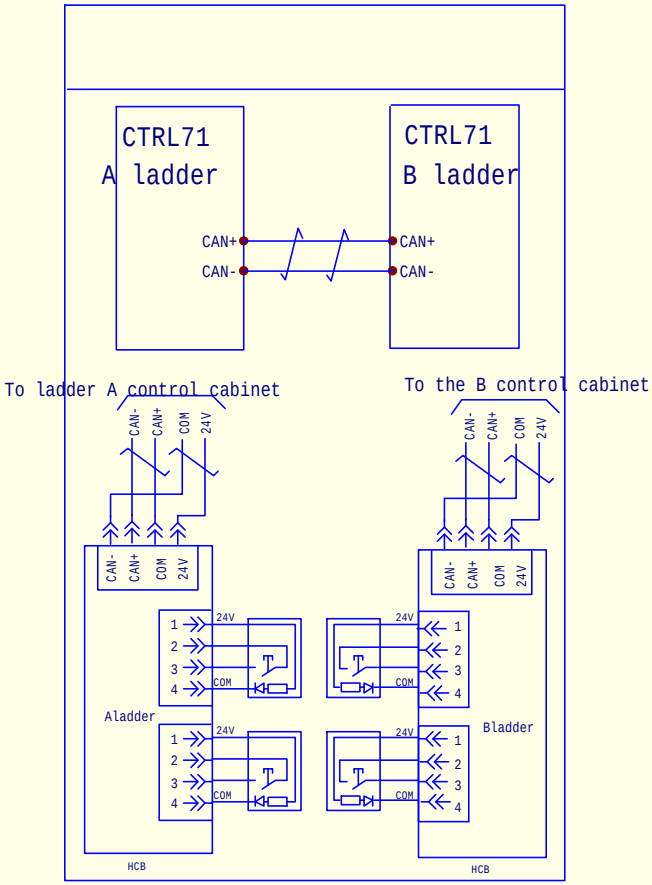


design		total of 45 pages	Interphone system
proofreading		Page 18	The principle diagram of the AS380
audit			

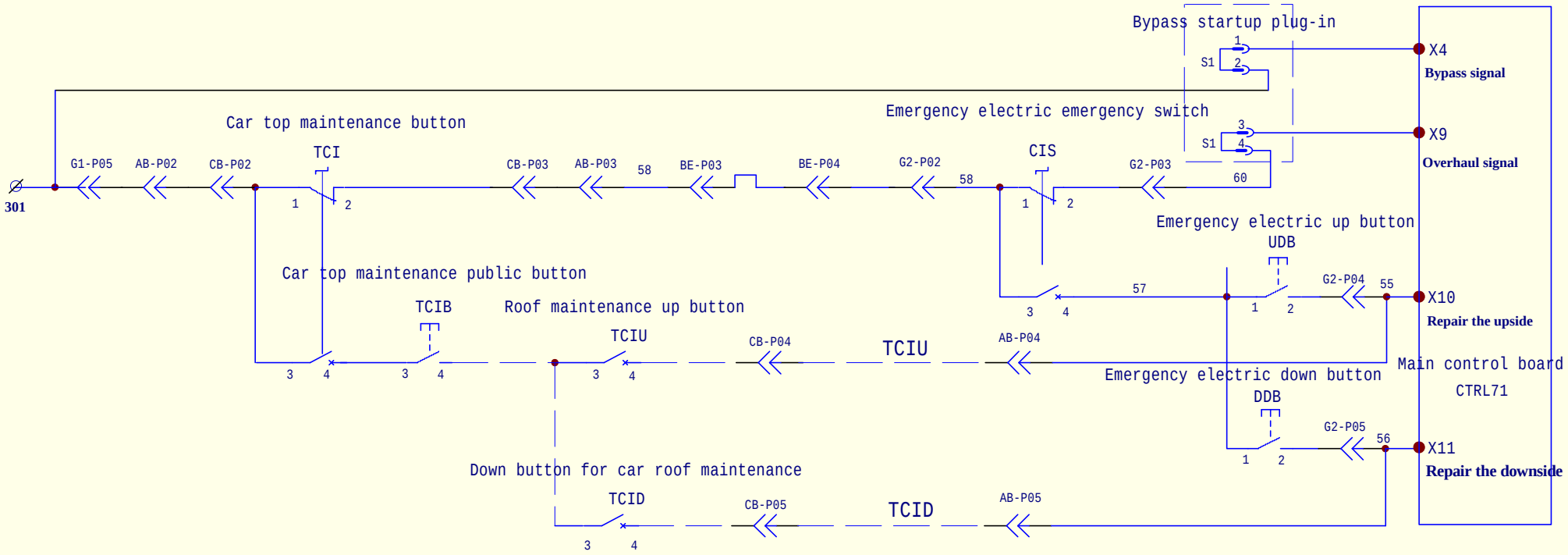
Suitable for parallel operation of ladder A and ladder B on the same side



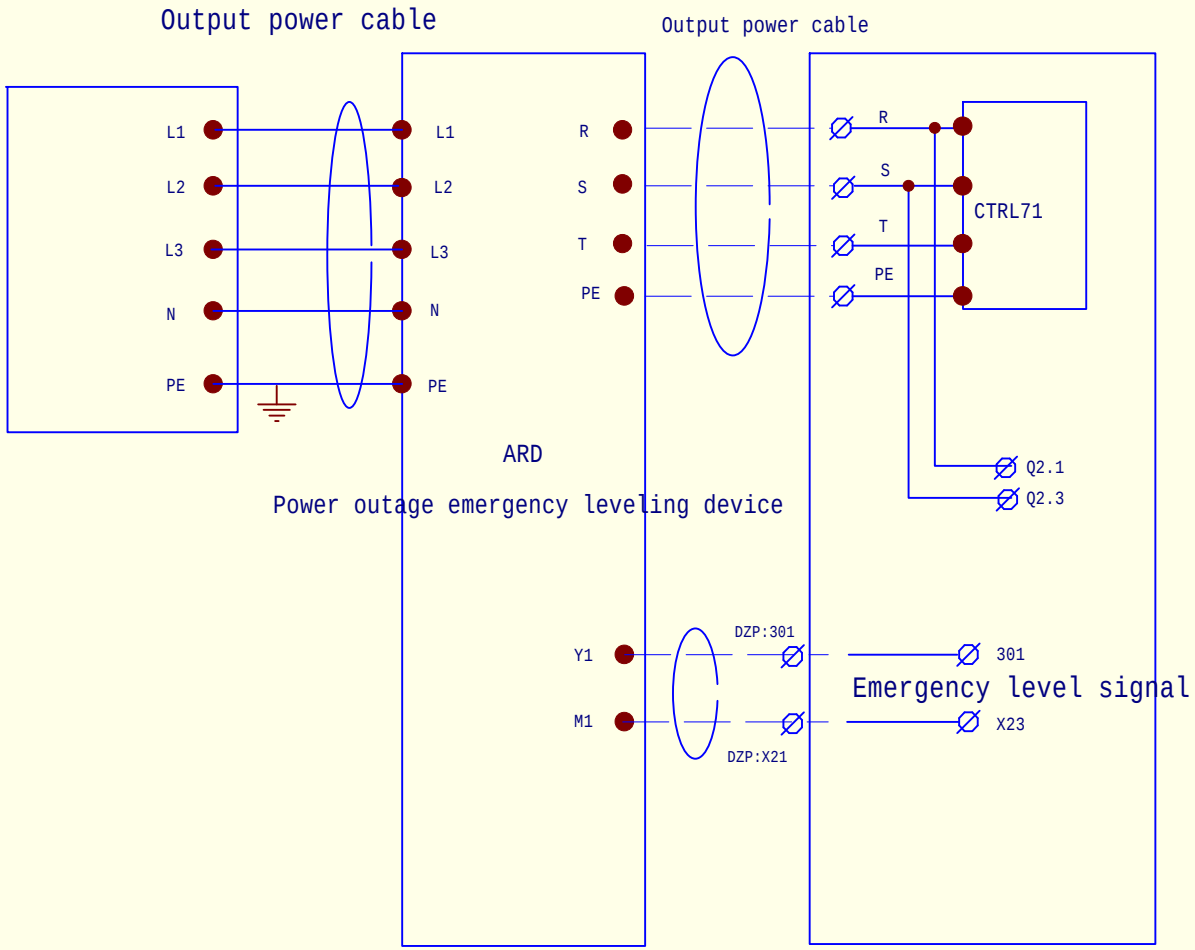
Suitable for parallel operation of ladder A and ladder B on different sides



design		total of 45 pages	Parallel circuits
proofreading		Page 19	The principle diagram of the AS380
audit			



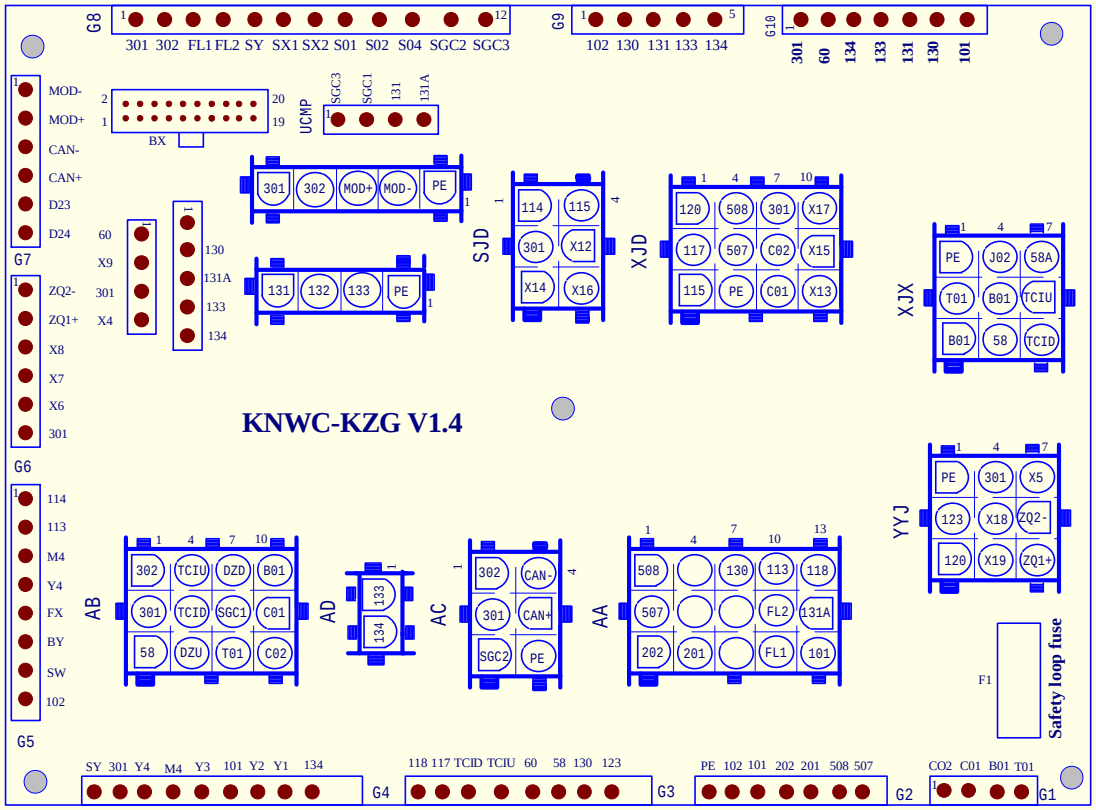
design		total of 45 pages	Overhaul circuit
proofreading		Page 20	The principle diagram of the AS380
audit			



design		total of 45 pages	ARD circuit wiring diagram
proofreading		Page 21	The principle diagram of the AS380
audit			

BX (20P) Plug-in Pin Array

2	X2	X4	X6	X8	X10	X12	X14	X16	X18	X20
1	X1	X3	X5	X7	X9	X11	X13	X15	X17	X19



Note: PCB plug-in for the female plug-in, male pin The cable is a common plug-in, and the pin model is 350536-1

SJD Upper well signal line

Cable number

Control cabinet plug-in			Drawing code	Functional description
SJD	SJD-P01	1	114	Upper limit switching loop
	SJD-P02	2	301	Check point common end
	SJD-P03	3	X14	Upchange speed signal line
	SJD-P04	4	115	Upper limit switching loop
	SJD-P05	5	X12	Upper limit signal line
	SJD-P06	6	X16	Upchange speed 1 signal line

XJD Downhole signal line

Cable number

Control cabinet plug-in			Drawing code	Functional description
XJD	XJD-P01	1	120	Safety circuit
	XJD-P02	2	117	Emergency motor circuit
	XJD-P03	3	115	Safety circuit
	XJD-P04	4	508	Bottom pit socket power supply N
	XJD-P05	5	507	Bottom pit socket power L
	XJD-P06	PE	PE	grounding
	XJD-P07	6	301	Check point common end
	XJD-P08	7	C02	Intercom signal line L
	XJD-P09	8	C01	Intercom signal line R
	XJD-P10	9	X17	Turn down speed 1 signal line
	XJD-P11	10	X15	Turn down the speed signal line
	XJD-P12	11	X13	Lower limit signal line

YYJ Tractor signal line

Cable number

Control cabinet plug-in			Drawing code	Functional description
YYJ	YYJ-P01	PE	PE	grounding
	YYJ-P02	1	123	Safety circuit
	YYJ-P03	2	120	Safety circuit
	YYJ-P04	3	301	Detection common end
	YYJ-P05	4	X18	Holding brake 1 test
	YYJ-P06	5	X19	Holding brake 2 test
	YYJ-P07	6	X5	Thermosensitive switch detection
	YYJ-P08	7	ZQ2-	The negative pole of the brake coil
	YYJ-P09	8	ZQ1+	the positive pole of the brake coil

WH 外呼线通讯

Cable number

Control cabinet plug-in			Drawing code	Functional description
WH	WH-P01	PB	PE	grounding
	WH-P02	1	MOD-	MODBUS negative
	WH-P03	2	MOD+	MODBUS positive
	WH-P04	3	302	24 v cathode
	WH-P05	4	301	24 v positive

TM Hall door lock line

Cable number

Control cabinet plug-in			Drawing code	Functional description
TM	TM-P01	1	PE	grounding
	TM-P02	2	133	Lock end of rear hall
	TM-P03	3	132	Lock end of front hall
	TM-P04	4	131	Front hall door lock starting point

DK Pit inspection box signal line

Cable number

Control cabinet plug-in			Drawing code	Functional description
DK	DK-P01	1	120	Safety circuit
	DK-P02	2	117	Emergency motor circuit
	DK-P03	3	116	Safety circuit
	DK-P04	4	508	Bottom pit socket power supply N
	DK-P05	5	507	Bottom pit socket power L
	DK-P06	PE	PE	grounding
	DK-P07	6		
	DK-P08	7	C02	Intercom signal line L
	DK-P09	8	C01	Intercom signal line R

AA AB AC AD
Accompanying cable plug car and the roof of the same two ends

Control cabinet plug-in	Cable number	Drawing number	Drawing number	Its top plug-in	
AA	AA-P01	yellow1	508	Car lighting L	CA-P01	CA
	AA-P02	yellow2	507	Car lighting N	CA-P02	
	AA-P03	yellow3	202	Door engine power supply N	CA-P03	
	AA-P04	yellow12	PE	Ground wire	CA-P04	
	AA-P06	yellow4	201	Door engine power supply L	CA-P06	
	AA-P07	yellow5	130	The car door	CA-P07	
	AA-P10	yellow6	113	Safety circuit	CA-P10	
	AA-P11	yellow7	FL2	Under the bed again	CA-P11	
	AA-P12	yellow8	FL1	On the bed again	CA-P12	
	AA-P13	yellow9	118	Emergency motor circuit	CA-P13	
	AA-P14	yellow10	131A	Door lock loop	CA-P14	
	AA-P15	yellow11	101	Safety circuit	CA-P15	
AB	AB-P01	black1	302	24V-	CB-P01	CB
	AB-P02	black2	301	24V+	CB-P02	
	AB-P03	black3	58	Car roof maintenance signal	CB-P03	
	AB-P04	black4	TCIU	Repair the upside	CB-P04	
	AB-P05	black5	TCID	Repair the downside	CB-P05	
	AB-P06	black6	DZU	On the bed	CB-P06	
	AB-P07	black7	DZD	Under the bed	CB-P07	
	AB-P08	black12	SGC1	Door lock contact wire	CB-P08	
	AB-P09	black8	T01	Talk back to the 12 v	CB-P09	
	AB-P10	black9	B01	Talk back to the 0V	CB-P10	
	AB-P11	black10	C01	Intercom signal R	CB-P11	
	AB-P12	black11	C02	Intercom signal L	CB-P12	
AC	AC-P01		302	24V-	CC-P01	CC
	AC-P02		301	24V+	CC-P02	
	AC-P03	yellow12	SGC2	Door lock contact wire	CC-P03	
	AC-P04	PB3	CAN+	CAN+	CC-P04	
	AC-P05	PB4	CAN-	CAN-	CC-P05	
	AC-P06	PB	PE	PE	CC-P06	
AD	AD-P01	PB1	133	后轿门锁	CD-P01	CD
	AD-P02	PB2	134	后轿门锁	CD-P02	

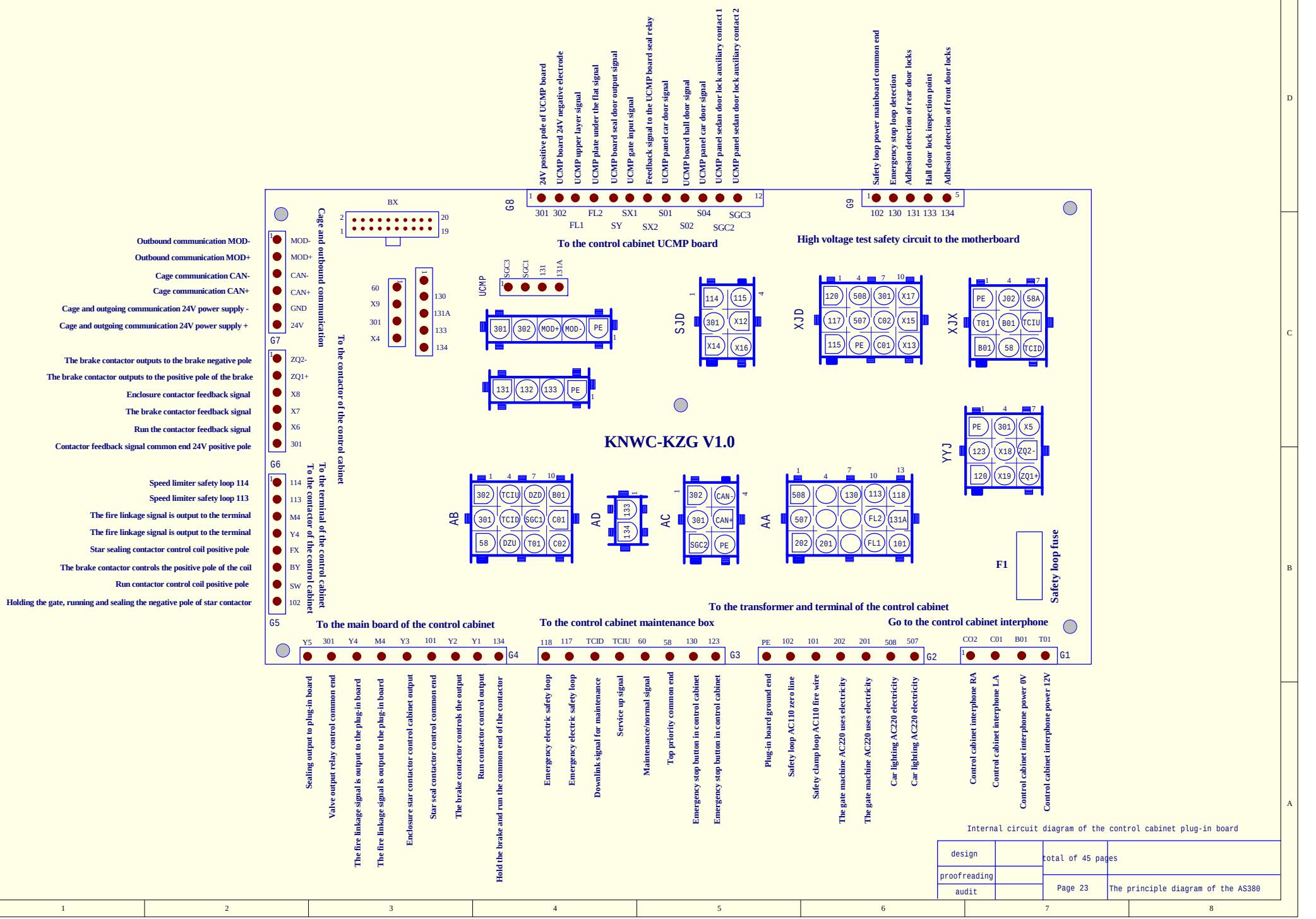
XJX Pit maintenance operation signal line

Cable number

Control cabinet plug-in			Drawing code	Functional description
XJX	XJX-P01	PE	PE	grounding
	XJX-P02	1	T01	Talk back to the 12 v
	XJX-P03	2	B01	Talk back to the 0V
	XJX-P04	3	J02	The alarm switch
	XJX-P05	4	B01	Alarm 0 v
	XJX-P06	5	58	Pit maintenance signal
	XJX-P07	6	58A	Pit maintenance signal
	XJX-P08	7	TCIU	Service up signal
	XJX-P09	8	TCID	Downlink signal for maintenance

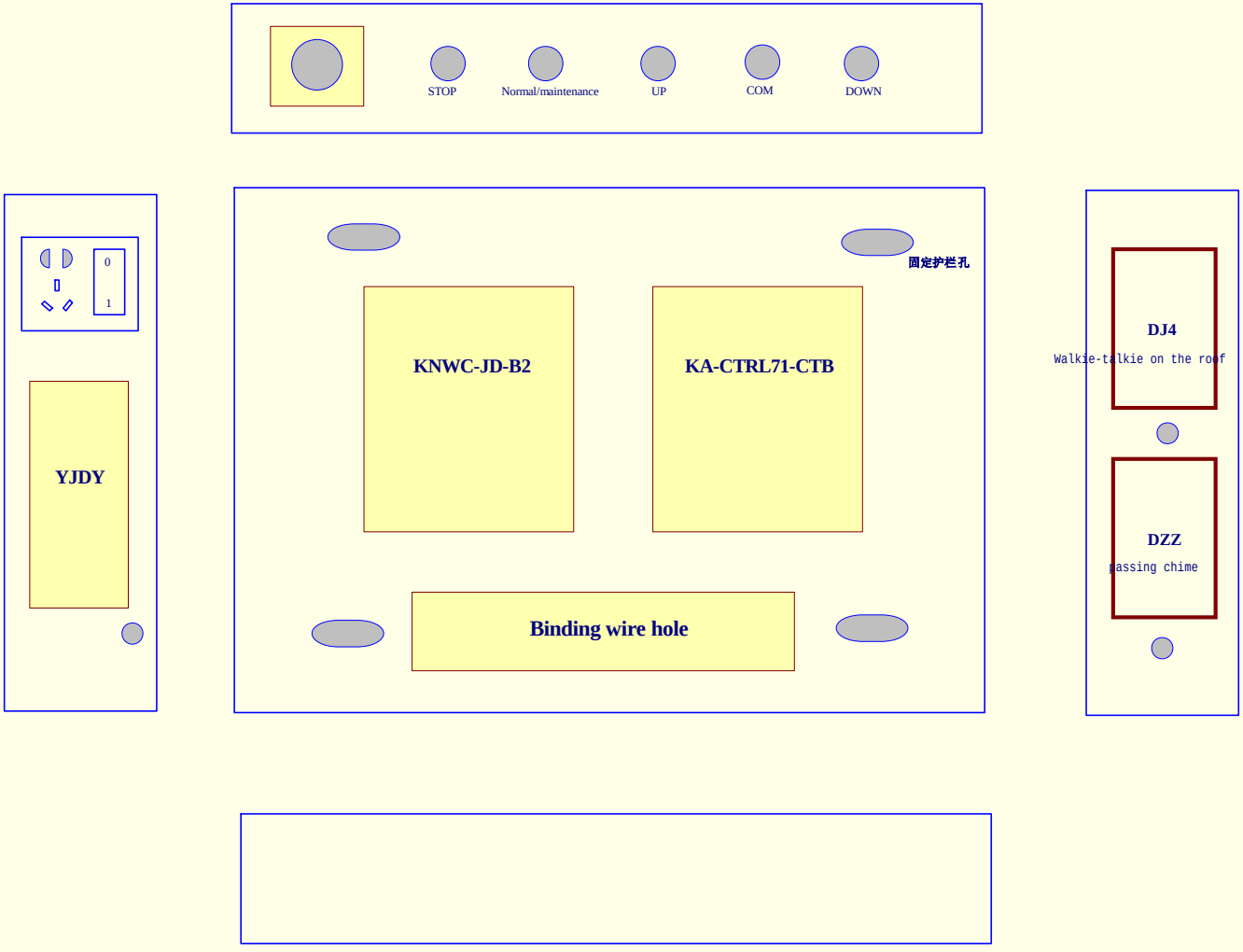
External circuit diagram of the control cabinet plug-in board

design		total of 45 pages	
proofreading		Page 22	The principle diagram of the AS380
audit			



Internal circuit diagram of the control cabinet plug-in board

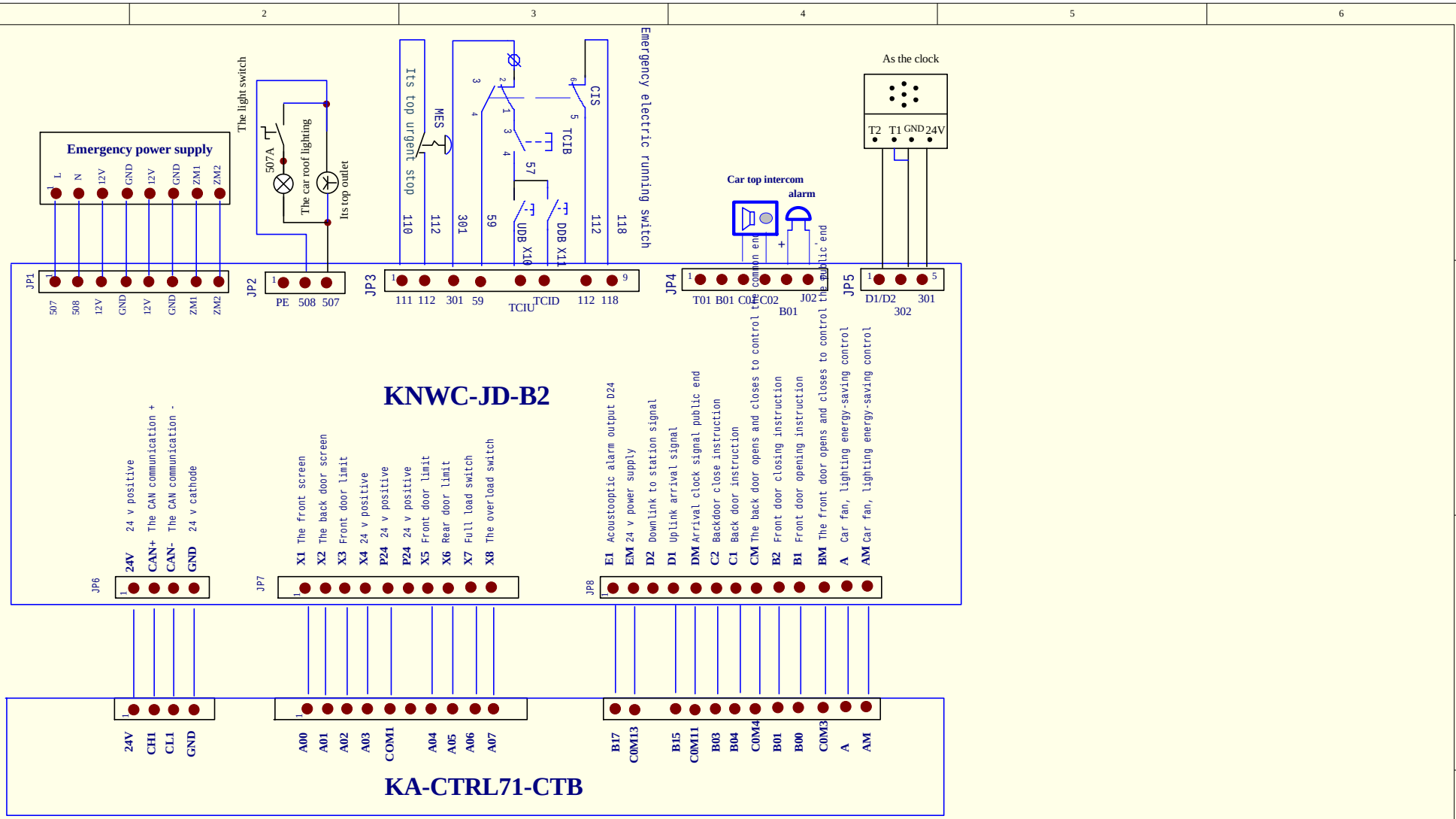
design		total of 45 pages	
proofreading		Page 23	The principle diagram of the AS380
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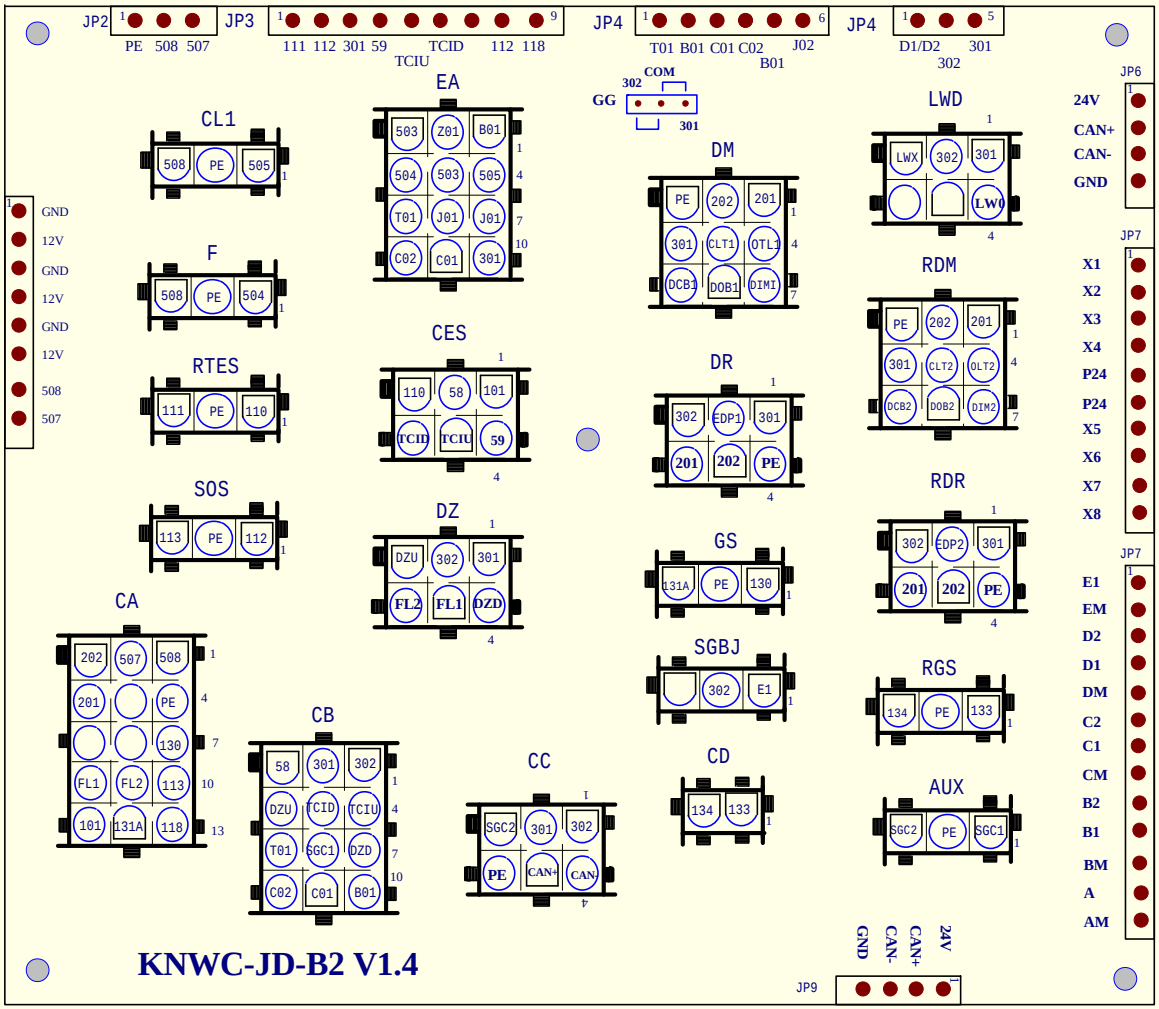
Layout drawing of the inspection box on the roof

design		total of 45 pages	
proofreading		Page 24	The principle diagram of the AS380
audit			

design		total of 45 pages	The car roof
proofreading		Page 25	The principle diagram of the AS380
audit			



design		total of 45 pages	Flat sensor map
proofreading		Page 26	Car roof wiring diagram
audit			



Note: PCB plug-in for the female plug-in, male pin
The cable is a common plug-in, and the pin model is 350536-1

DM Front door signal line

drawing number
Cable number

Access box plug-in			Functional description
DM-P01	1	201	Door engine power supply L
DM-P02	2	202	Door engine power supply N
DM-P03	PE	PE	ground
DM-P04	4	OLT1	Open the door limit
DM-P05	5	CLT1	Close the door limit
DM-P06	6	301	**Switch threshold bit common end**
DM-P07	7	DIM1	**Open and close the public end**
DM-P08	8	DOB1	Open the door instruction
DM-P09	9	DCB1	Closing instructions

RDM Rear door engine signal line

drawing number
Cable number

Access box plug-in			Functional description
RDM-P01	1	201	Door engine power supply L
RDM-P02	2	202	Door engine power supply N
RDM-P03	PE	PE	ground
RDM-P04	4	OLT2	Open the door limit
RDM-P05	5	CLT2	Close the door limit
RDM-P06	6	301	**Switch threshold bit common end**
RDM-P07	7	DIM2	**Open and close the public end**
RDM-P08	8	DOB2	Open the door instruction
RDM-P09	9	DCB2	Closing instructions

GS Door lock

drawing number
Cable number

Control cabinet plug-in			Functional description
GS-P01	1	130	The car door
GS-P02	PE	PE	ground
GS-P03	2	131A	The car door

RGS After the car door lock drawing number

Cable number

Access box plug-in			Functional description
RGS-P01	1	133	After the car door lock
RGS-P02	PE	PE	ground
RGS-P03	2	134	After the car door lock

LWD Weighing switch line drawing number

Cable number

Access box plug-in			Functional description
LWD-P01	1	301	power supply of weighing device is 24V
LWD-P02	2	302	power supply of weighing device is 0V
LWD-P03	3	LWX	With the signal
LWD-P04	4	LWO	Overload signal
LWD-P05			
LWD-P06			

SOS Safety clamp switch wire

drawing number
Cable number

Access box plug-in			Functional description
SOS-P01	1	112	Safety clamp switch
SOS-P02	PE	PE	ground
SOS-P03	2	113	Safety clamp switch

DZ Gate area signal line

drawing number
Cable number

Access box plug-in			Functional description
DZ-P01	1	301	24V+
DZ-P02	2	302	24V-
DZ-P03	3	DZU	On the bed
DZ-P04	4	DZD	Under the bed
DZ-P05	5	FL1	On the bed again
DZ-P06	6	FL2	Under the bed again

DR Front door light screen box signal line

drawing number
Cable number

Access box plug-in			Functional description
DR-P01	1	301	24V+
DR-P02	2	GM1	Light screen signal 1
DR-P03	3	302	24V-
DR-P04	4	PE	ground
DR-P05	5	202	Light screen power AC220V zero line
DR-P06	6	201	Light screen power supply AC220V fire wire

RDR Rear door light screen box signal line

drawing number
Cable number

Access box plug-in			Functional description
DR-P01	1	301	24V+
DR-P02	2	GM1	Light screen signal 1
DR-P03	3	302	24V-
DR-P04	4	PE	ground
DR-P05	5	202	Light screen power AC220V zero line
DR-P06	6	201	Light screen power supply AC220V fire wire

GL1 Car lighting power cord

drawing number
Cable number

Access box plug-in			Functional description
CLI-P01	1	505	Lighting L
CLI-P02	PE	PE	ground
CLI-P03	2	508	Lighting N

F Cage fan power cord drawing number

Cable number

Access box plug-in			Functional description
F-P01	1	504	Fan L
F-P02	PE	PE	ground
F-P03	2	508	Fan N

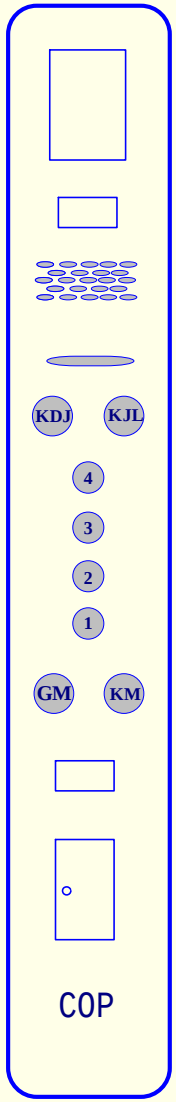
RTES Safety pin/safety window switch wire

drawing number
Cable number

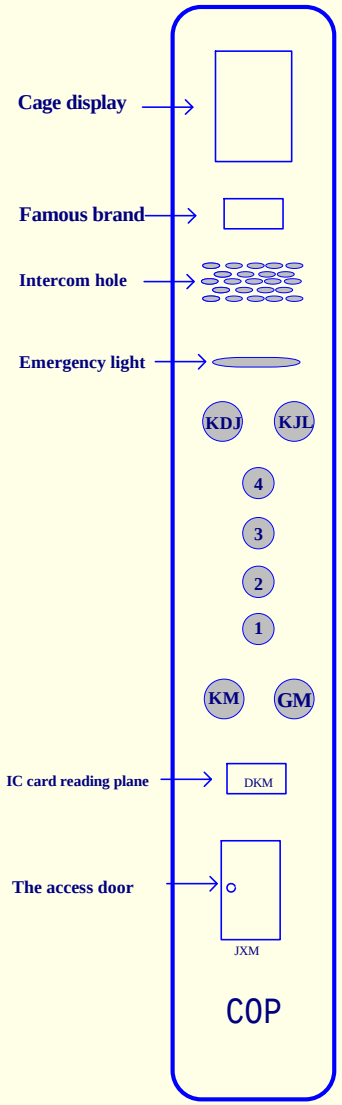
Access box plug-in			Functional description
RTES-P01	1	110	safety pin
RTES-P02	PE	PE	ground
RTES-P03	2	111	safety pin

design		total of 45 pages	Plug-in board on the roof of car
proofreading		Page 27	The principle diagram of the AS380
audit			

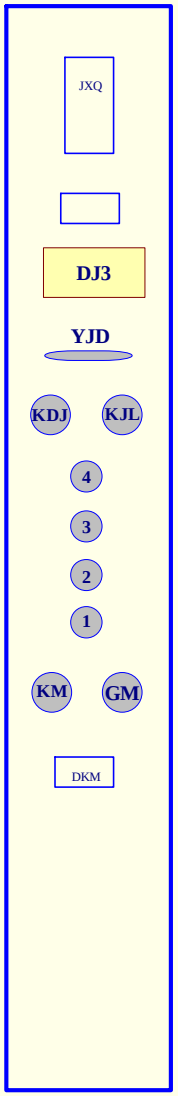
Split type sub-control panel



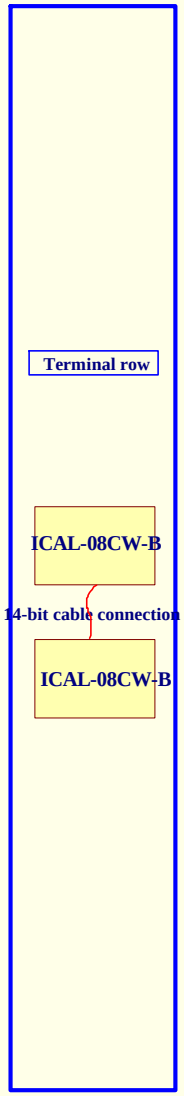
Split type main control panel



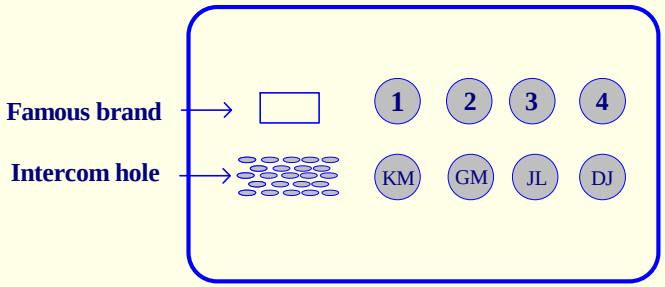
Wipe the layout of components on the vertical plate

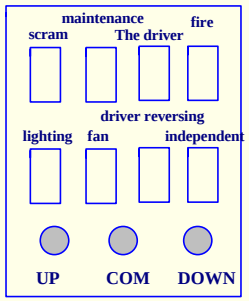


Control tray bottom box component layout



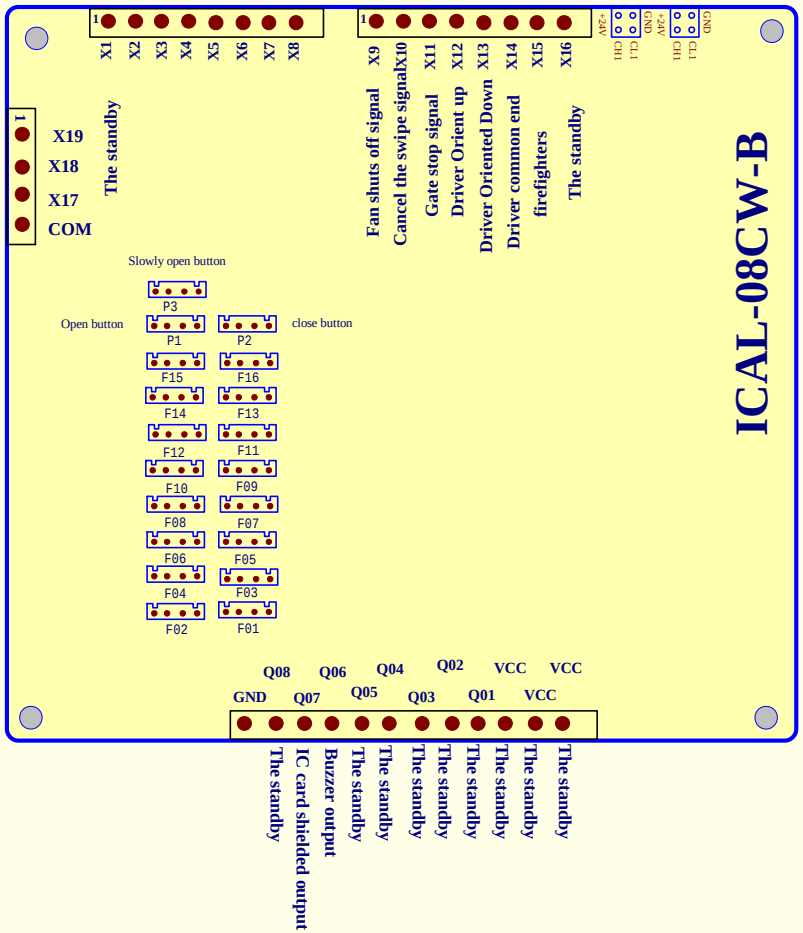
Handicapped control panel

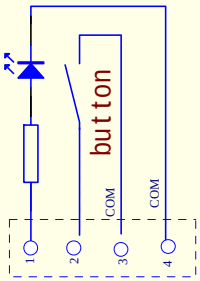




Passenger elevator access door switch layout, no access door, fan and lighting lock

design		total of 45 pages	Control panel layout
proofreading		Page 28	The principle diagram of the AS380
audit			

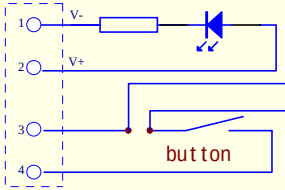




Command board button Interface figure

No layered control IC card

Button interface diagram



KD-105

J1

1 **Power input to the positive terminal**
2 **Power input negative**
6 **Relay normally open output**
7 **The public side**

Select the instruction board inside

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EA CES plug-in to the top of the car maintenance box

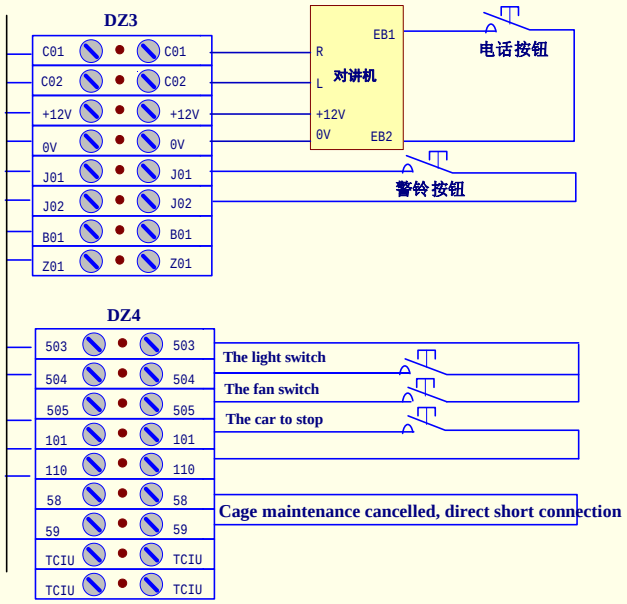
Corresponding to the drawing label

EA	EA-P01	black1	B01	Emergency lighting +	EA-P01	FA
	EA-P02	black2	Z01	Emergency lighting -	EA-P02	
	EA-P03	black3	503	Capsules lightingL	EA-P03	
	EA-P04	black4	505	Capsules lighting	EA-P04	
	EA-P05	black5	503	Capsules fan	EA-P05	
	EA-P06	black6	504	Capsules fan	EA-P06	
	EA-P07	black7	J01	The alarm switch	EA-P07	
	EA-P08	black8	J02	The alarm switch	EA-P08	
	EA-P09	black9	T01	intercom power supply is 12V	EA-P09	
	EA-P10	black10	301	Intercom power supply 0V	EA-P10	
	EA-P11	black11	C01	Intercom signal R	EA-P11	
	EA-P12	black12	C02	Intercom signal L	EA-P12	

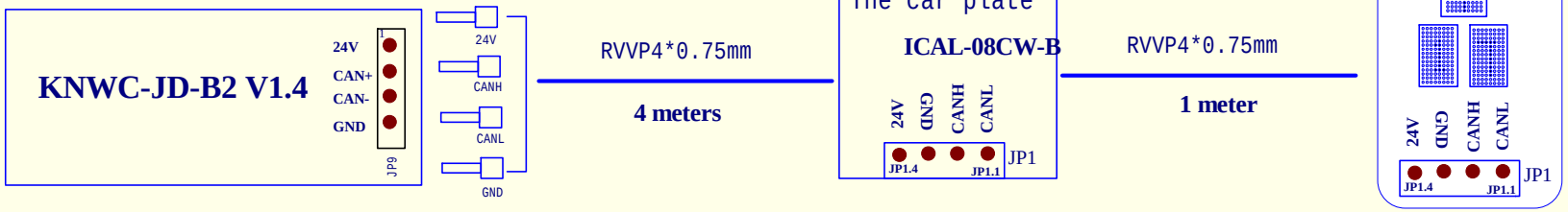
CES	CES-P01	black1	101	The car to stop	CES-P01	DES
	CES-P02	black2	58	The car maintenance	CES-P02	
	CES-P03	black3	110	The car to stop	CES-P03	
	CES-P04	black4	59	The car maintenance	CES-P04	
	CES-P05	black5	TCIU	Repair the upside	CES-P05	
	CES-P06	black6	TCID	Repair the downside	CES-P06	

EA — RV12*0.75mm²+1*1.5mm²PE

CES — RV6*0.75mm²+1*1.5mm²PE

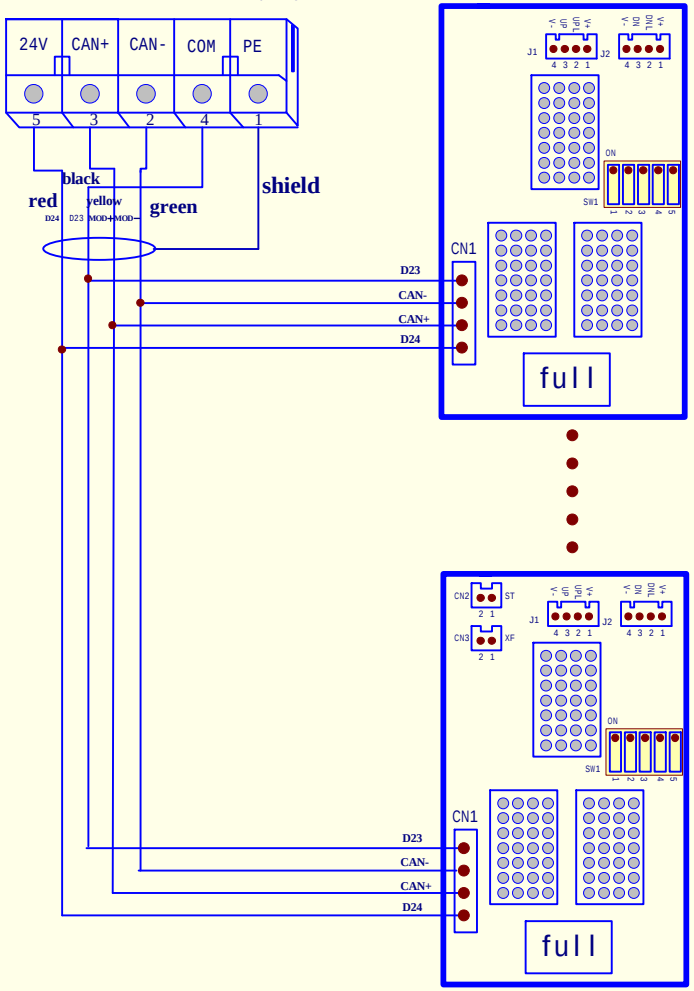


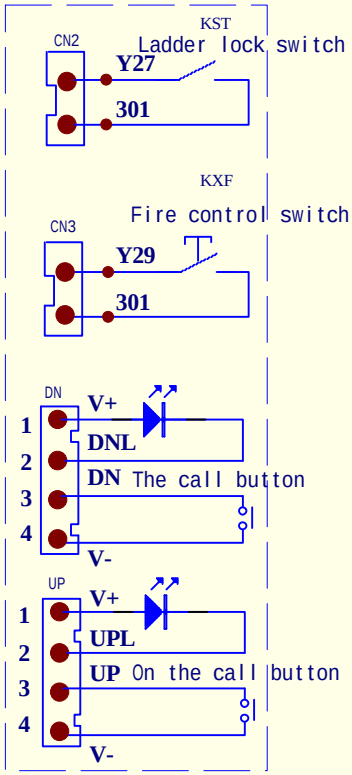
Straight pin: E7508



Note: PCB plug-in for female plug-in male pin.
Cable EA and CES plugins are public plugins
Female insert pin, insert pin model: 350536-1

Go to the machine room and plug with WH





When setting the address with the setting button, use the following methods:
When the setting button (S1) is pressed for the first time, the display area displays the current stored floor address and enters the setting state of floor address.
After each press the set button, the current floor address plus one.Press and hold the setting button for more than 2 seconds, and the floor address will increase from 0, and so on.
The floor address will increase rapidly. When the floor address reaches 56, press the "set" button.
If there is no setting operation within 5 seconds, the currently set floor address value will be automatically stored and the setting state will be automatically exited.

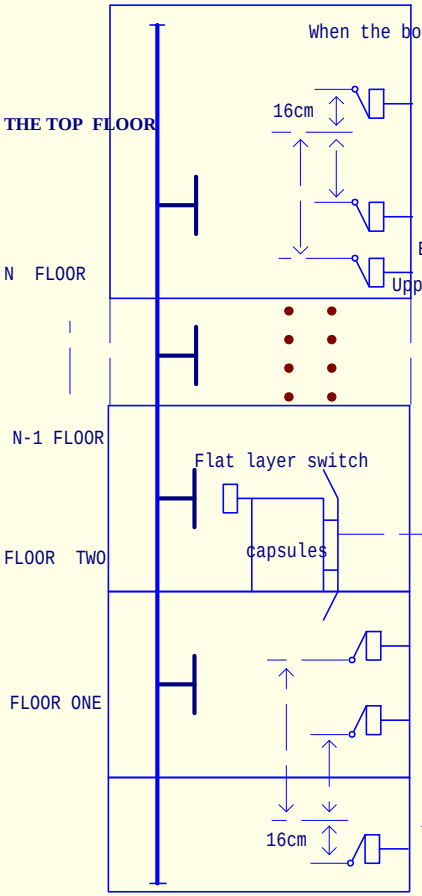
CN2 base station ladder locking interface, docking with ladder locking electric lock.

CN3 fire switch interface, butt joint with fire switch.

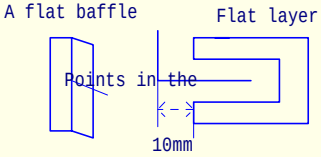
UP UP button interface.

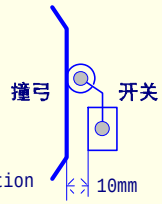
DN downlink button interface.

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When the bow hits the upper limit switch, the cage floor sill is 5cm higher than the floor sill of the hall door





Elevator flat floor position, flat floor switch should be in the flat floor baffle location

Well information switches are (NC) normally closed contacts

The length of flat baffle (20-25cm) is the best

When the elevator touches the switch, the switch is disconnected

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

Forced deceleration switch mounting position table

elevator speed	Forced deceleration switch mounting distance	Forced deceleration switch 1 mounting distance	Forced deceleration switch 2 mounting 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

Well path information switch diagram

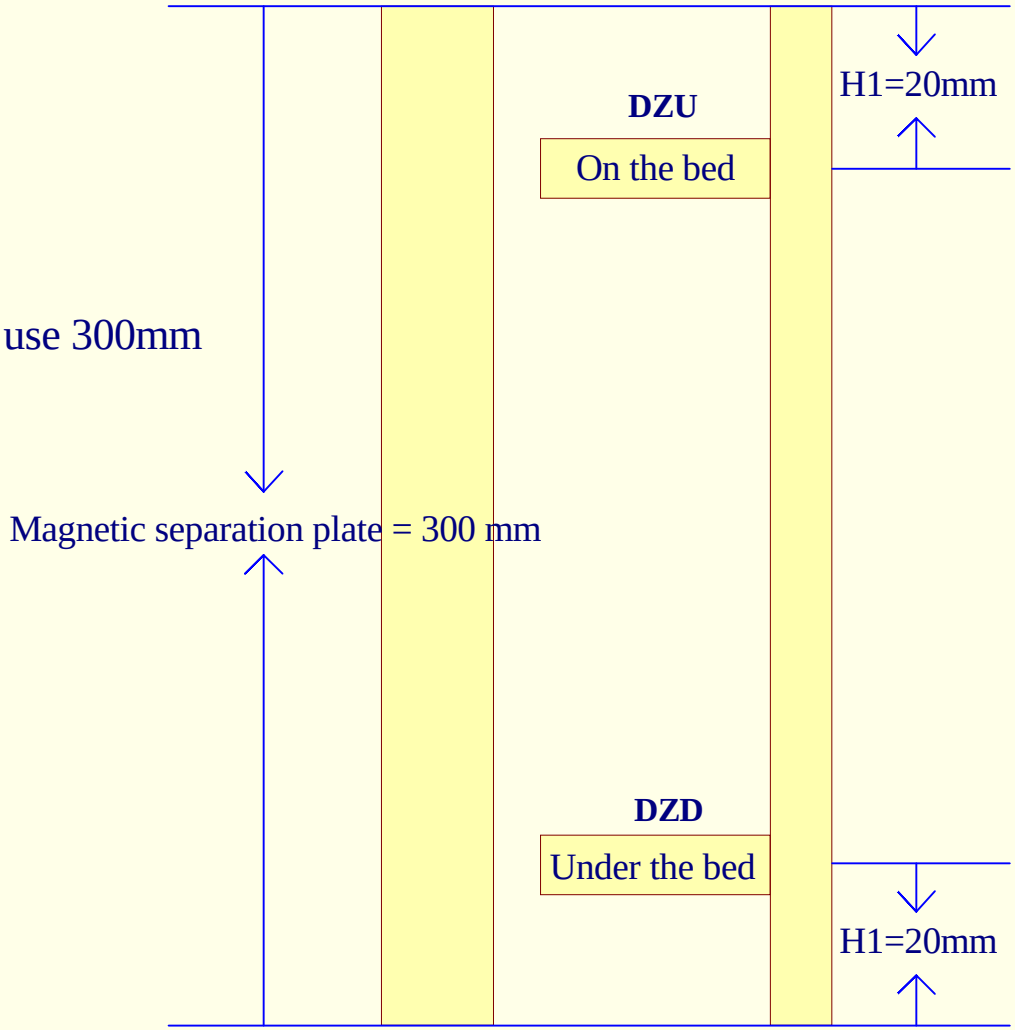
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Installation requirements of flat layer sensor:

1) H1 is less than or equal to 20mm

2) H2 is equal to 60mm

3) the magnetic isolation plate is recommended to use 300mm



design		total of 45 pages	Flat sensor map
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