Electrical schematic diagram of AS380 elevator and ladder

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

Drawing no. : K - D - 007 - E

Version No. : V2.0

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

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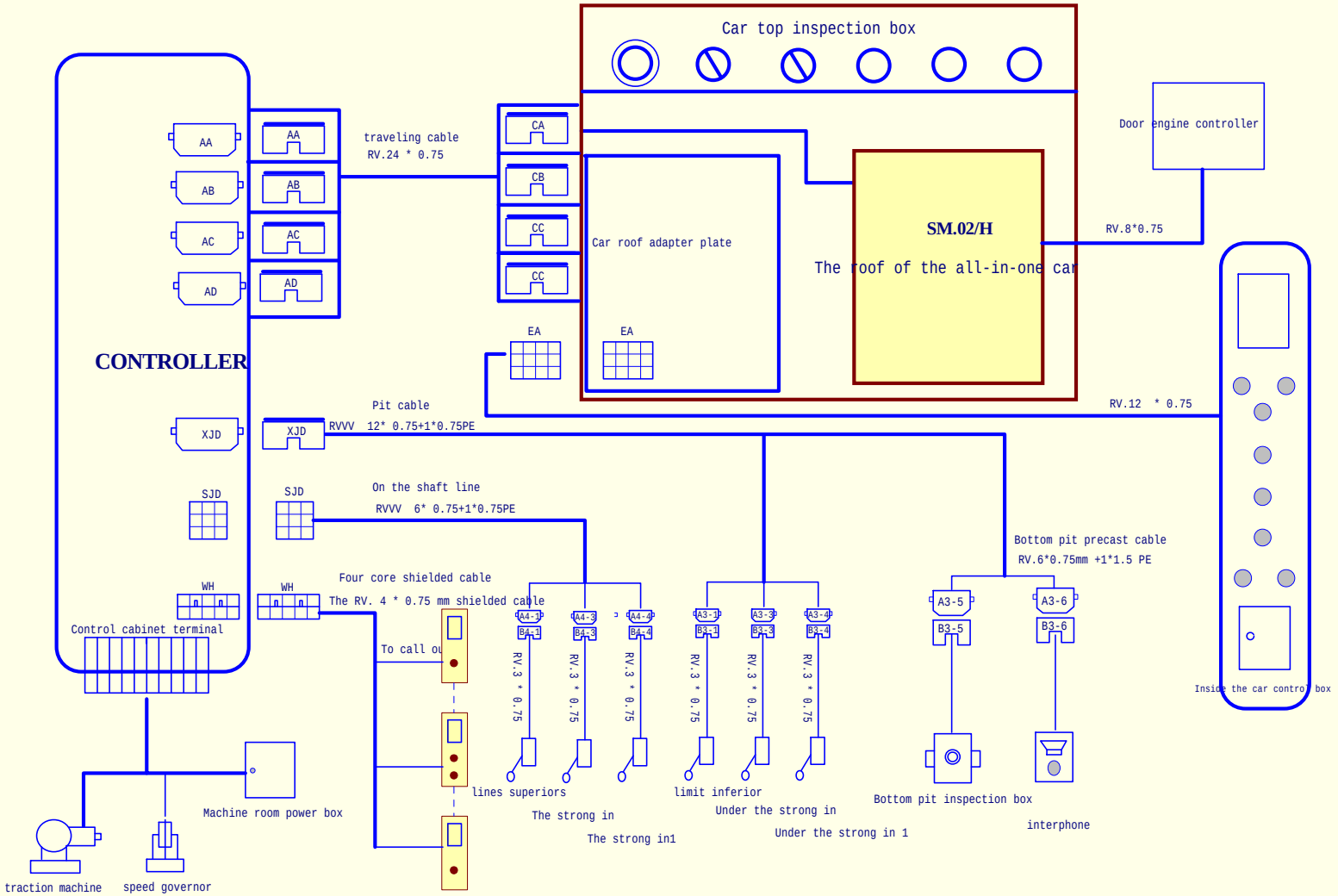
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Drawings change record sheet

date changed	figure number	page number	date changed	reviser	版本
2020.05.20	K - D - 007 - E	20.23	Plug-in version adds terminal and plugin description	Liu Lianbao	v 1.0

design		total of 45 pages	Drawing change record
proofreading		Page 02	The principle diagram of the AS380
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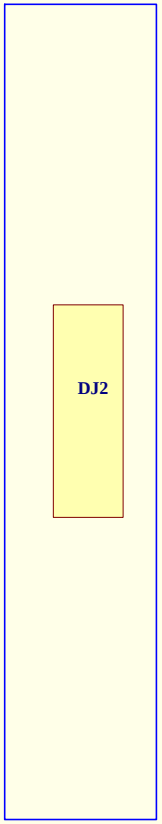


design		total of 45 pages	General wiring diagram
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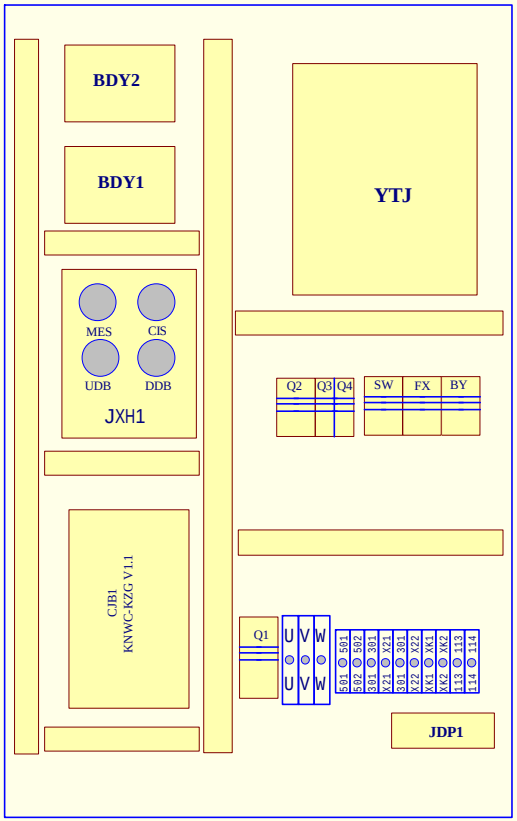
The layout of the elevator control cabinet in the machine room is available

Control cabinet left

Side of the layout

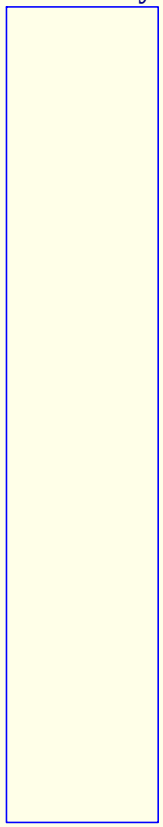


Layout diagram of floor components

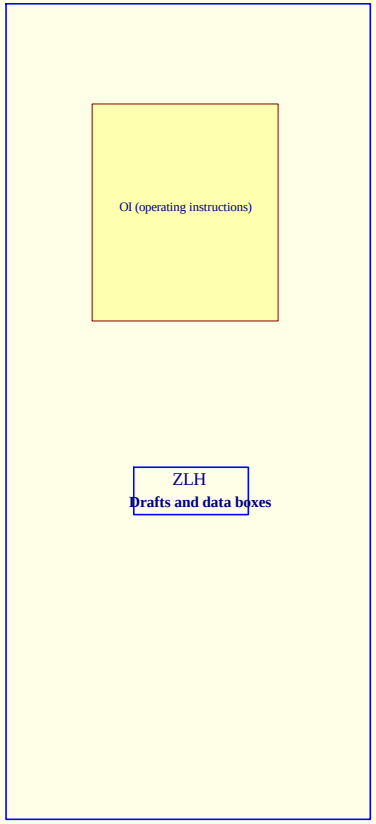


Control cabinet to the right

Side of the layout

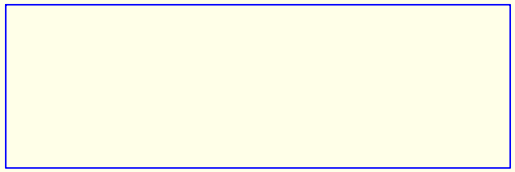


Control cabinet door layout drawing



Components code	Name of the element	Components that
YTJ	converter	monach/step
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	
DJ2	Room intercom	Door machine holding gate
JXH1	Control cabinet inspection box	Components that
BDY2	switching power supply	24 v power supply

Control cabinet bottom layout drawing

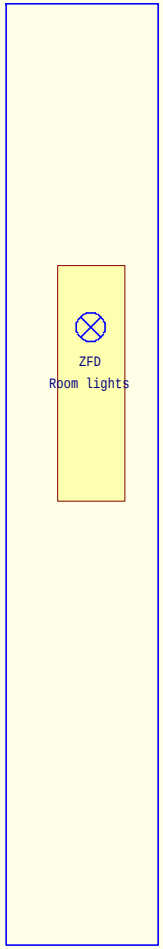


Have the layout of components in the machine room

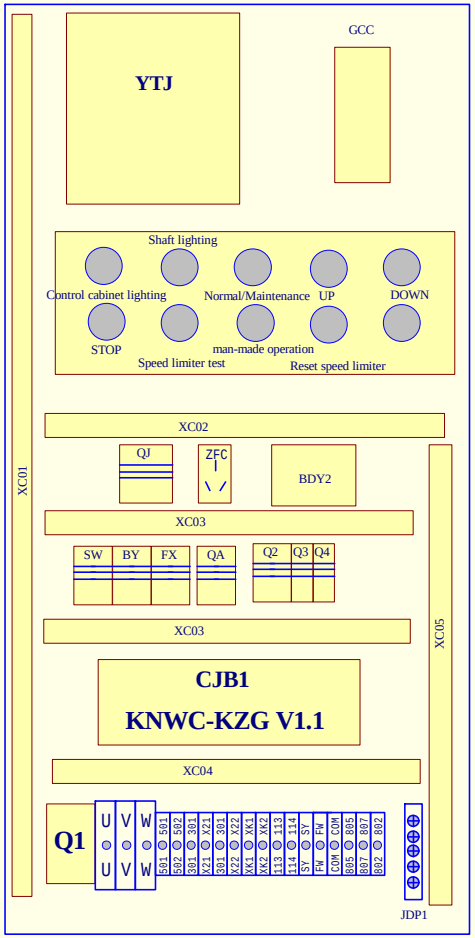
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Machine room - less synchronous elevator control cabinet layout

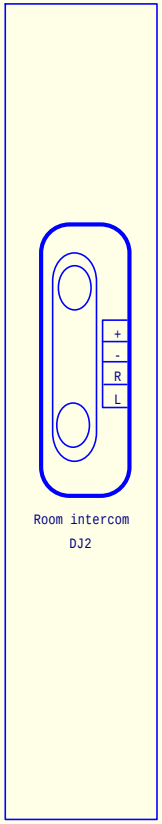
Control cabinet left Side of the layout



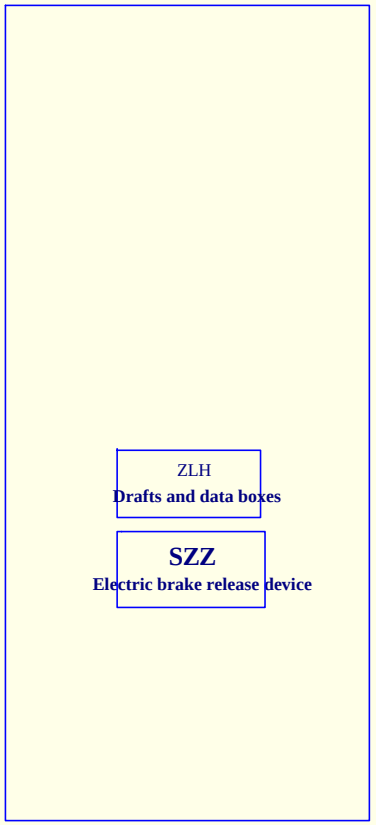
Layout diagram of floor components



Control cabinet to the right Side of the layout



Control cabinet door layout drawing



Components code	Name of the element	Components that
YTJ	converter	nice3000/as380
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

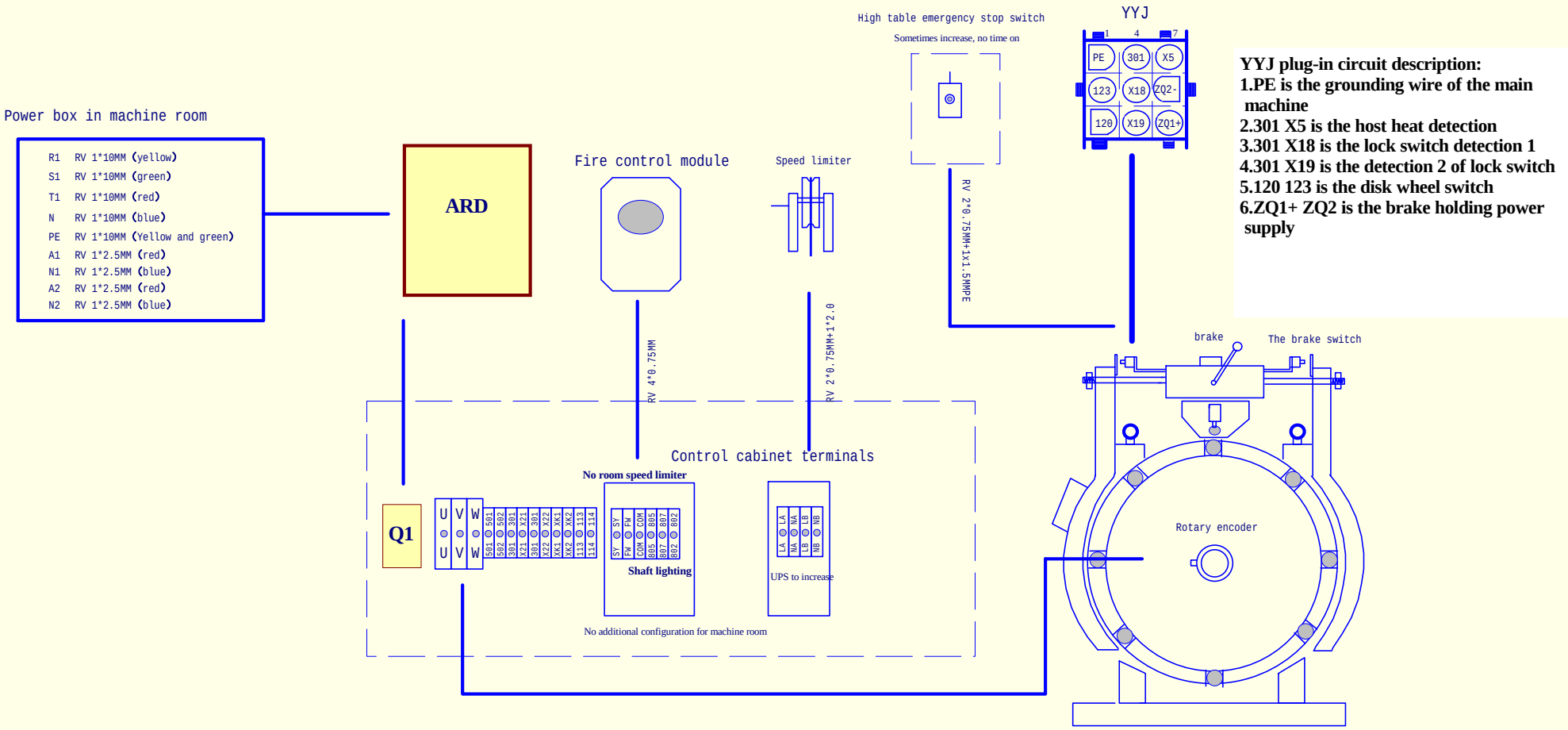


design		total of 45 pages	Room - free component layout
proofreading		Page 05	The principle diagram of the AS380
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Drawing code notes

Q1-Qn+1	Air switch	KFW	Speed limiter reset button	2BFS	Car bumper		Normally closed contacts	Integrated controller AS.029
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	Roof communication board SM.02/H
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	Car command board SM.02/G
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	Control cabinet plug-in board KNWC-KZG V1.4
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	

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

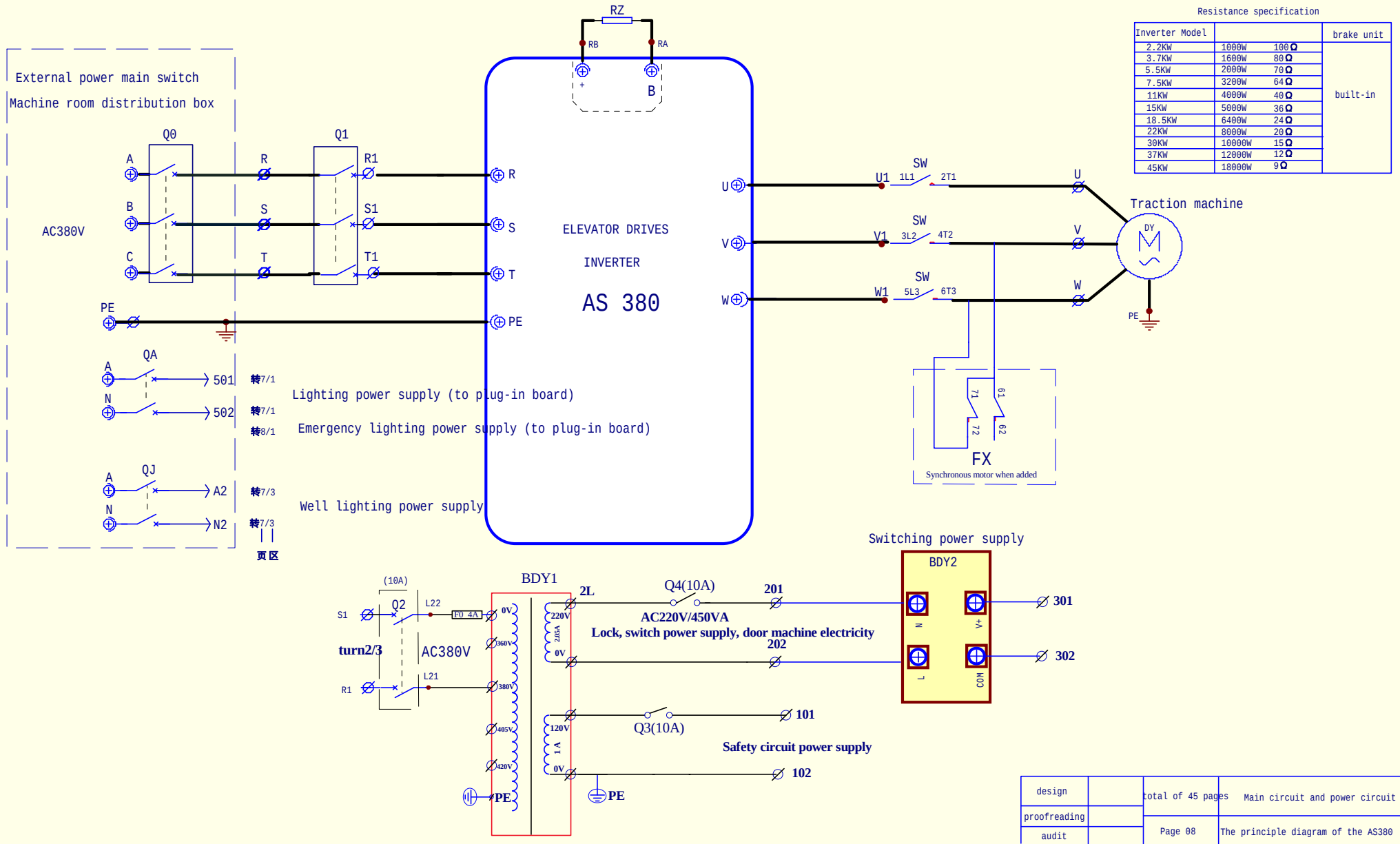
design		total of 45 pages	Machine room wiring diagram
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Refer to the table below for details of resistance specifications

Brake resistance configuration table

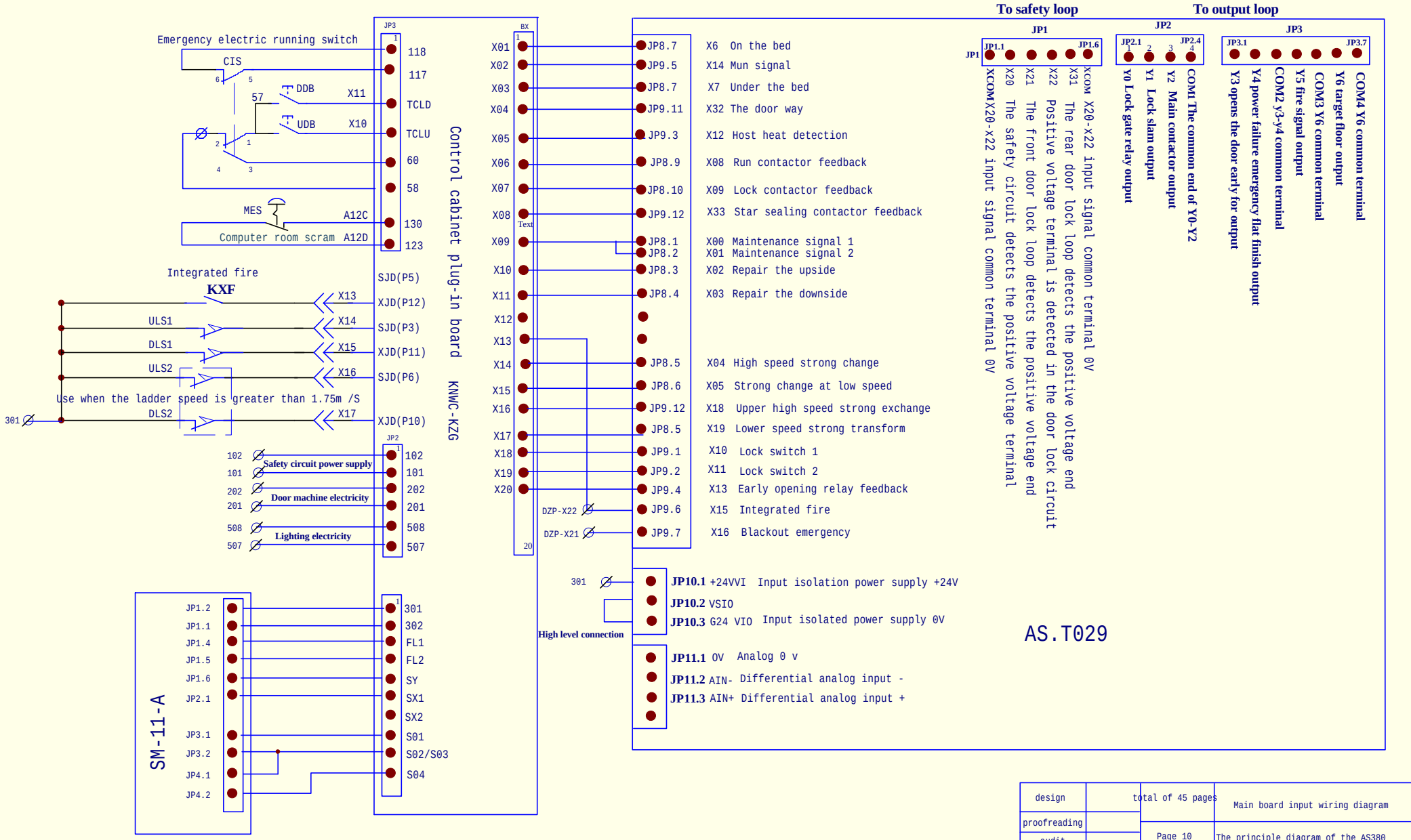
Resistance specification

Inverter Model			brake unit
2.2KW	1000W	100Ω	built-in
3.7KW	1600W	80Ω	
5.5KW	2000W	70Ω	
7.5KW	3200W	64Ω	
11KW	4000W	40Ω	
15KW	5000W	36Ω	
18.5KW	6400W	24Ω	
22KW	8000W	20Ω	
30KW	10000W	15Ω	
37KW	12000W	12Ω	
45KW	18000W	9Ω	



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design		total of 45 pages	Motherboard port diagram
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AS.T029

XCOM X20-x22 input signal common terminal 0V
X20 The safety circuit detects the positive voltage terminal
X22 Positive voltage terminal is detected in the door lock circuit
X31 The rear door lock loop detects the positive voltage end
X21 The front door lock loop detects the positive voltage end
XCOM X20-x22 input signal common terminal 0V

COM1 The common end of Y0-Y2
Y2 Main contactor output
Y1 Lock slam output
Y0 Lock gate relay output

Y3 opens the door early for output
Y4 power failure emergency flat finish output
COM2 y3-y4 common terminal
Y5 fire signal output
COM3 Y6 common terminal
Y6 target floor output
COM4 Y6 common terminal

CANL CAN communication low voltage
CANH CAN communication high potential
OV

JP1 JP1.1 JP1.6
JP2 JP2.1 JP2.4
JP3 JP3.1 JP3.7
JP4 JP4.1 JP4.3

AS.T024 ERN 1387

AS.T024		ERN 1387
1	B-	5a 红黑
3	Z+	4b 红
4	Z-	4a 黑
5	A+	6b 绿黑
6	A-	2a 黄黑
7	COM	5b 白绿
8	B+	3b 蓝黑
9	VCC	1b 棕绿
10	C+	7b 灰
11	C-	1a 粉红
12	D+	2b 黄
13	D-	6a 紫

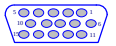
7b	6b	5b	4b	3b	2b	1b
7a	6a	5a	4a	3a	2a	1a

插口向上

ERN 1387插座针脚排列图

AS.T024接线说明
AS.T024的CN1端口使用D型15针（DB15）连接器

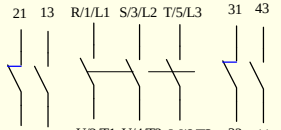
1：B- 2：NC 3：Z+
4：Z- 5：A+ 6：A-
7：COM 8：B+ 9：VCC
10：C+ 11：C- 12：D+
13：D- 14：NC 15：NC



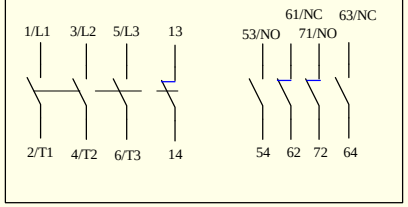
PG card for synchronous motor
VCC GND A+ A- B+ B- C+ C- D+ D- Z+ Z-
+5V 0V A+ A- B+ B- C+ C- D+ D- Z+ Z-
PG The encoder
Shield earth

AS.T025
12V PGM PGA PGB PE
PG
Wiring diagram of encoder for asynchronous machine

LS-GMC series contactor contact diagram



Schematic diagram of contacts of schneider -E/N series contactors



JP9 102 130 131 133 134
JP4 134 Y1 Y2 Y3 101 M4 Y4 301 SY
JP7 24V COM MOD+ MOD- CAN+ CAN-
301 302

Control cabinet plug-in board
KNWC-KZG

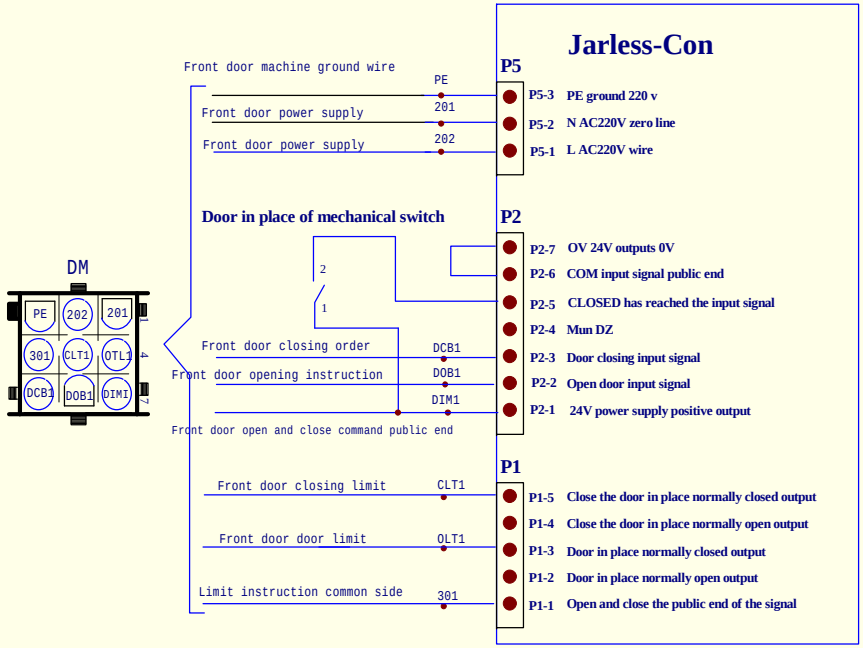
WH 301 302 MOD+ MOD- PE
AC D24 CAN+ CAN- D23
JP5 102 SW BY FX Y4 M4 113 114
JP6 301 X6 X7 X8 ZQ1+ ZQ2-

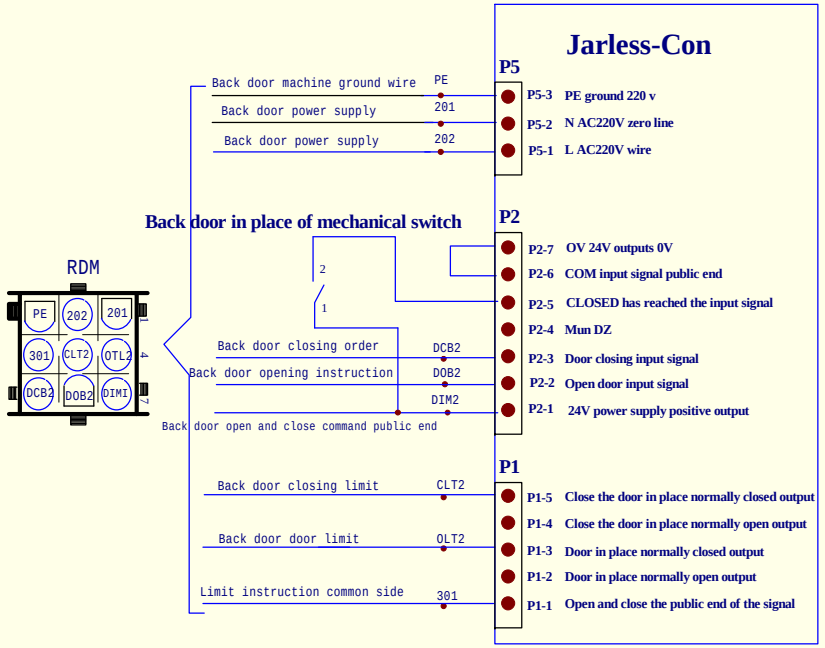
FX
Y2
Y3
SW
BY
FX
run
The brake
Seal the star
LD2
LD1
Fire linkage output
Speed limiter switch
114
OS
113
BZB

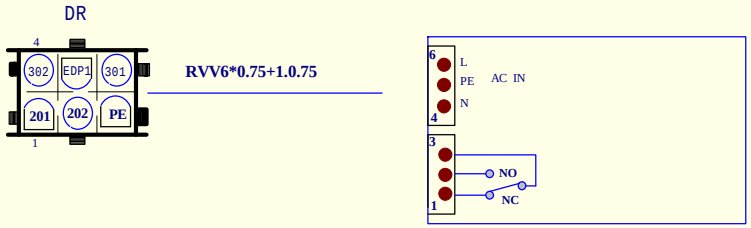
301 MOD+ MOD- 302
Outgoing communication interface

301 CAN+ CAN- 302
Internal calling CAN communication interface

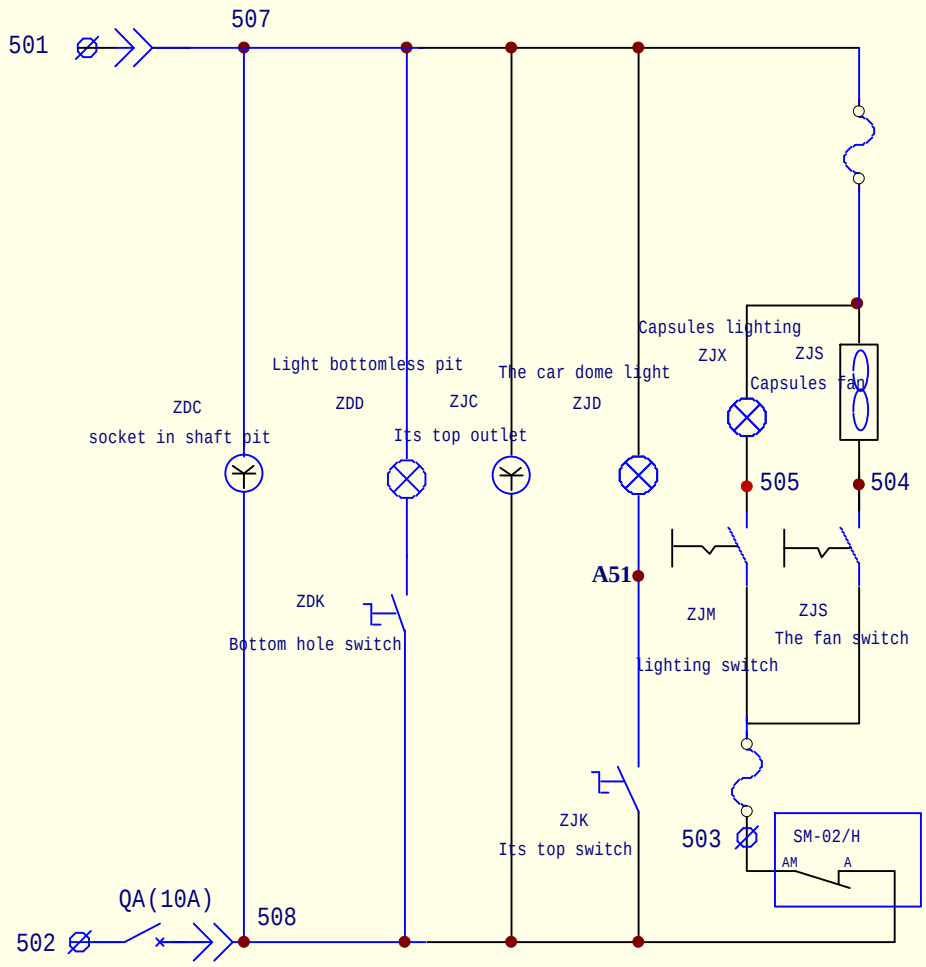
design	total of 45 pages	Main board output wiring diagram	
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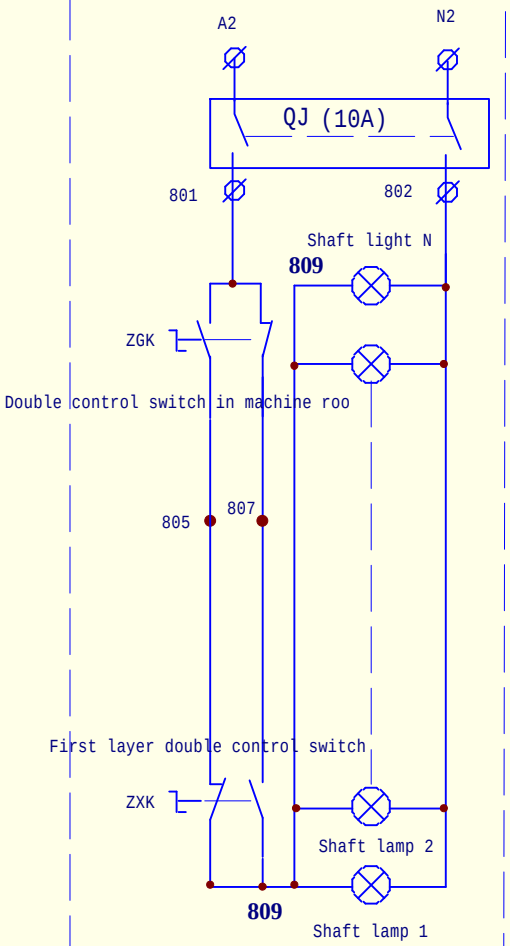


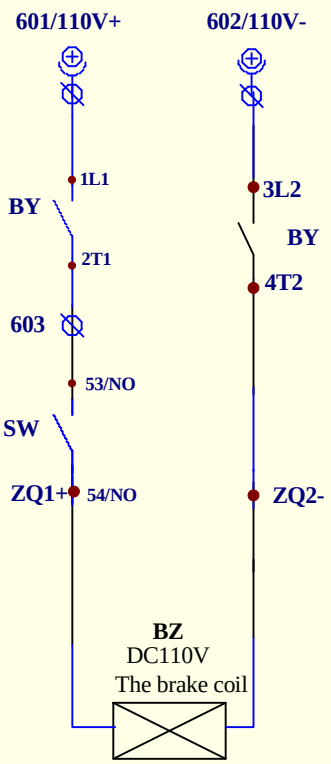


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User provided well lighting

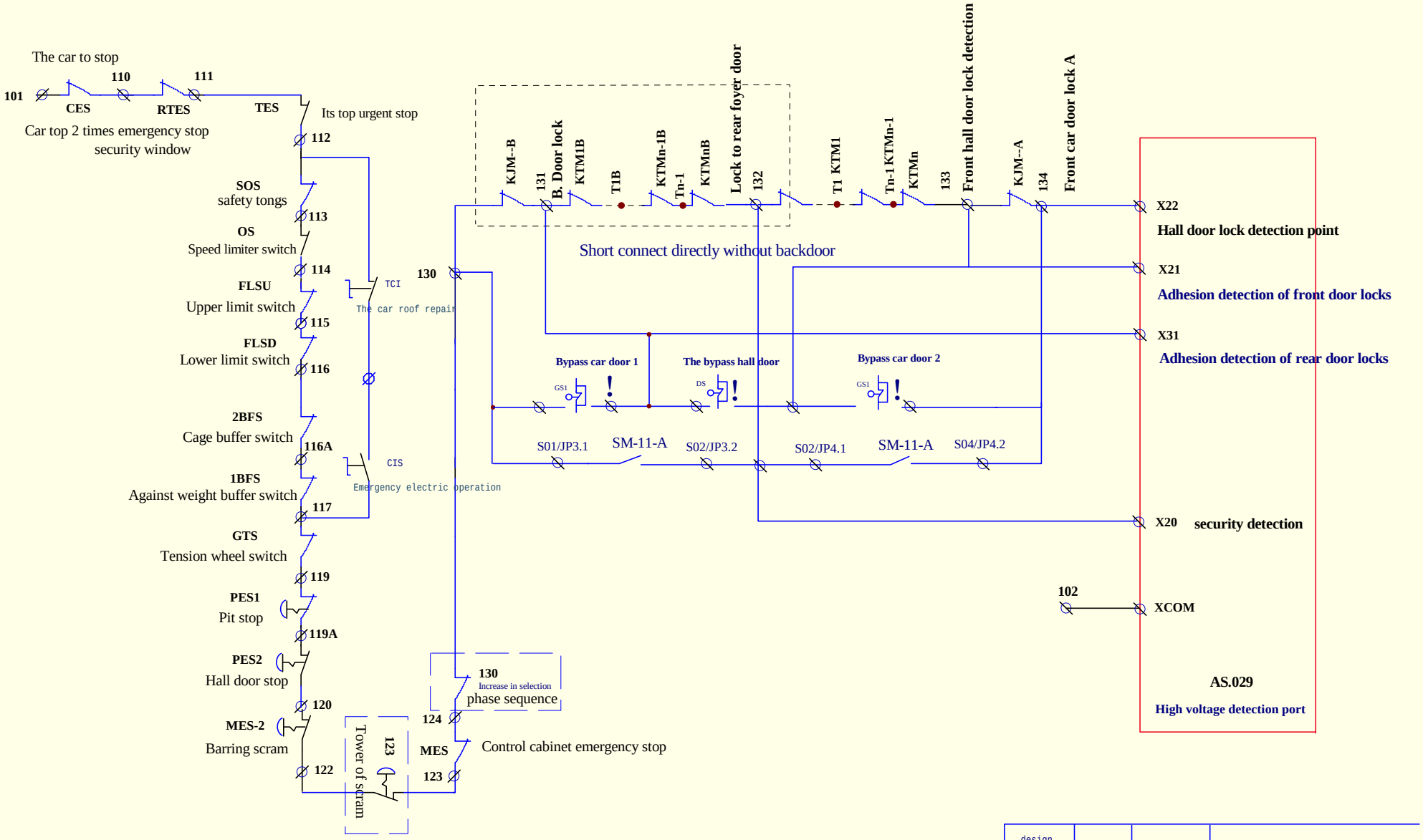


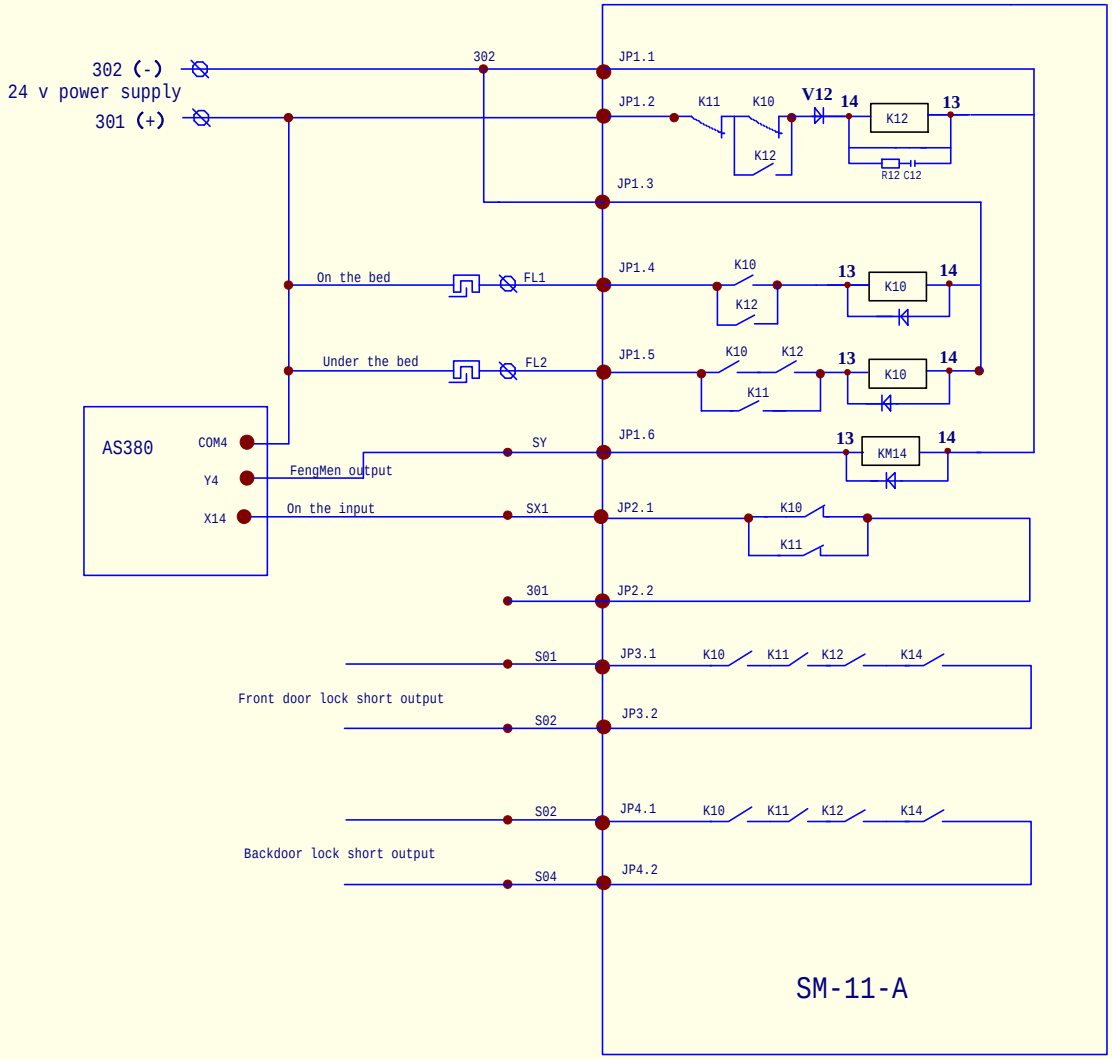


Note: 1. No machine room is equipped with machine room lighting and socket

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

design		total of 45 pages	Lighting and locking circuit
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The car to stop
101
110
111
CES
RTES
TES
Its top urgent stop
Car top 2 times emergency stop
security window
112
SOS
safety tongs
113
OS
Speed limiter switch
114
FLSU
Upper limit switch
115
FLSD
Lower limit switch
116
2BFS
Cage buffer switch
116A
1BFS
Against weight buffer switch
117
GTS
Tension wheel switch
119
PES1
Pit stop
119A
PES2
Hall door stop
120
MES-2
Barring scram
122
Tower of scram
123
124
MES
Control cabinet emergency stop
130
Increase in selection
phase sequence
130
TCI
The car roof repair
CIS
Emergency electric operation
KJM--B
131
B. Door lock
KTM1B
T1B
KTMn-1B
Tn-1
KTMnB
Lock to rear foyer door
132
T1 KTM1
Tn-1 KTMn-1
KTMn
133
Front hall door lock detection
KJM--A
134
Front car door lock A
Short connect directly without backdoor
Bypass car door 1
The bypass hall door
Bypass car door 2
GS1
DS
GS1
S01/JP3.1
SM-11-A
S02/JP3.2
S02/JP4.1
SM-11-A
S04/JP4.2
X22
Hall door lock detection point
X21
Adhesion detection of front door locks
X31
Adhesion detection of rear door locks
X20
security detection
102
XCOM
AS.029
High voltage detection port
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Safety circuit
The principle diagram of the AS380



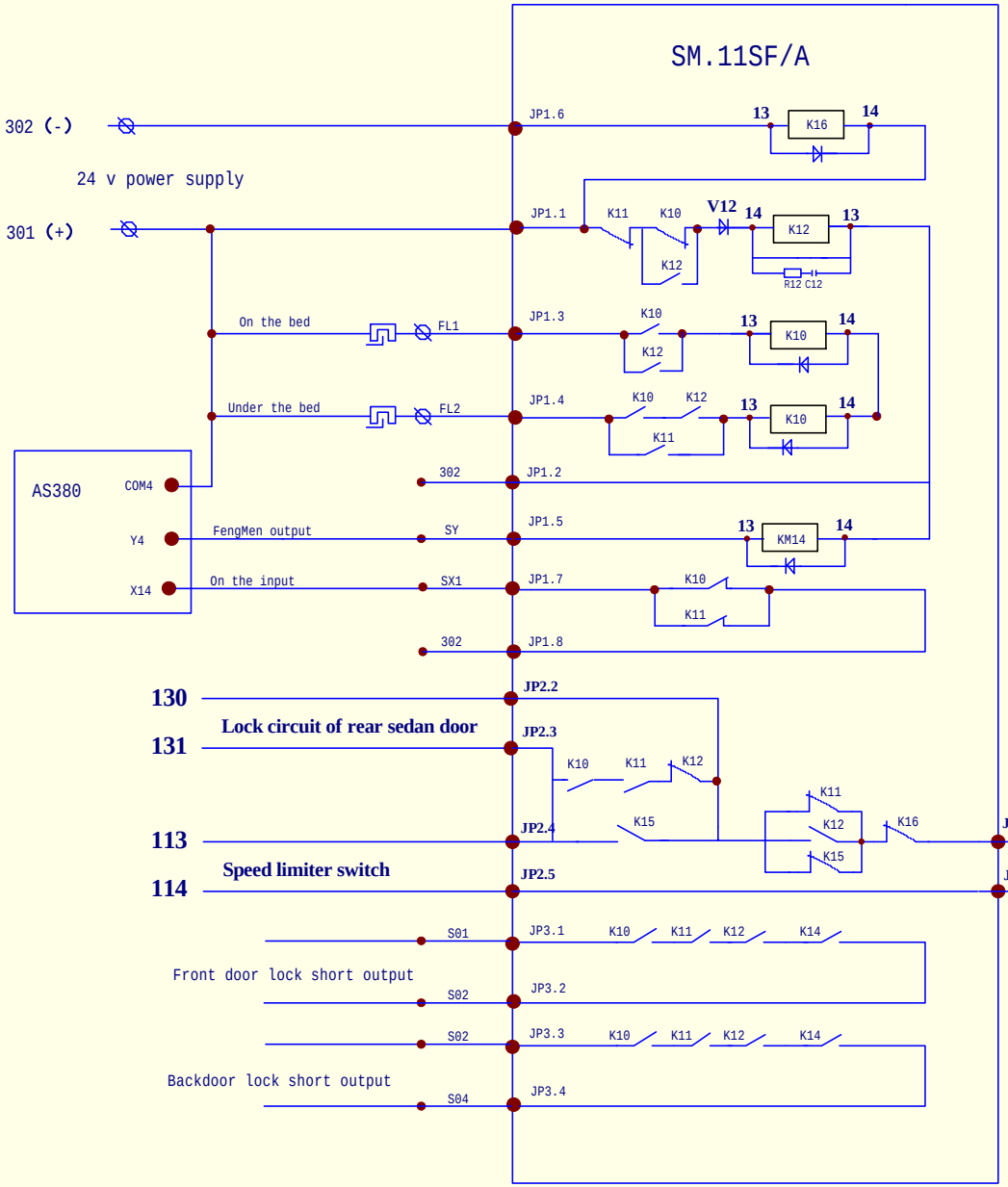
Synchronous motor UCMP field test (F202=1)
First, UCMP test mode

1. It is necessary to confirm that the door plate (HL-UCMP.A1) and the door area switch are provided in advance.
2. In the menu of "UCM Functions ", the Bit5 "UCMP Fault Detection Allowance "of M0 is set to *;BIT2 "UCM Manual "set to *.
3. Open the elevator to the appropriate floor and close the door (test position: No load at the top of the second floor in the upward test, and full load at the bottom of the second floor in the downward test).
Note:
1) The elevator stops at the top floor, in automatic state, the door lock is closed, select UCM to go up test and prompt "Please drive to the middle floor"
2) The elevator stops at the bottom, in automatic state, the door lock is closed, select UCM downlink test prompt "Please drive to the middle layer"
4. In the value-added function - > UCM function, select the appropriate direction (UCM up/down test). If the door is not closed well, it will be prompted in the test menu and try to close the door.
5. "Please cut off the lock" when the door is closed.Disconnect (HL-UCMP.A1) sedan door lock detection contact input point before access to a switch, simulated disconnect door lock.
6. Disconnect the simulated door lock artificially, and prompt "press ENTER to start the test". After pressing ENTER, prompt "testing", and the elevator will automatically register the instruction of the nearest floor to run.The motherboard automatically outputs Klz, short-locks the door, registers an instruction in this direction (servable layer), and starts.
7. The elevator runs with the door closed. After leaving the door area, open the door panel in advance to disconnect the lock, and the elevator stops abruptly, prompting "Test completed, please check displacement & fault code", and inquire the fault report 51#.
8. Measure the position of the car.
9, UCMP fault reset method: under maintenance, hold maintenance up and down at the same time to maintain 5s, can reset UCMP
The fault.Note: the mainboard power on after power failure, UCM fault is maintained, will not reset.

Note: The synchronization host is used when moving unexpectedly

Synchronizing loop diagram of UCMP at Systat

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UCMP field test of induction motor
First, UCMP test mode
1. In the menu of "UCM Functions ", BIT5 "UCMP Detection Allowed ", set to *;BIT2 is set to "UCM Manual"
As a *.
2. Open the elevator to the appropriate floor and close the door (test position: No load at the top of the second floor in the upping test, downtest
When the test is full load bottom layer 2).
Note:
1) The elevator is parked on the top floor, in automatic state, the door lock is closed, select UCM uplink test prompt "Please drive to the middle
Layer ".
2) The elevator is parked at the bottom, in automatic state, the door lock is closed, select UCM downlink test prompt "Please drive to the middle
Layer ".
3. In the value-added function - > UCM function, select the appropriate direction (UCM up/down test), if the door is not closed, test again
It will be prompted in the trial menu and will also try to close the door.
4. Disconnect the SM.11SF/A car door lock detection before touching the input point access A switch, simulated disconnect door lock.
5. Press Enter, the motherboard will automatically output KLZ, short connect the door lock, register an instruction in this direction, and start.
6. Open the door panel in advance to disconnect the lock and the elevator will stop in an emergency.If UCMP fault detection is enabled, there will be
UCMP fault log.Query failure alarm 51#.

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

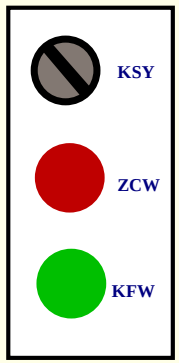
Synchronizer UCMP asynchronous loop diagram

design		total of 45 pages	
proofreading		Page 16	The principle diagram of the AS380
audit			

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

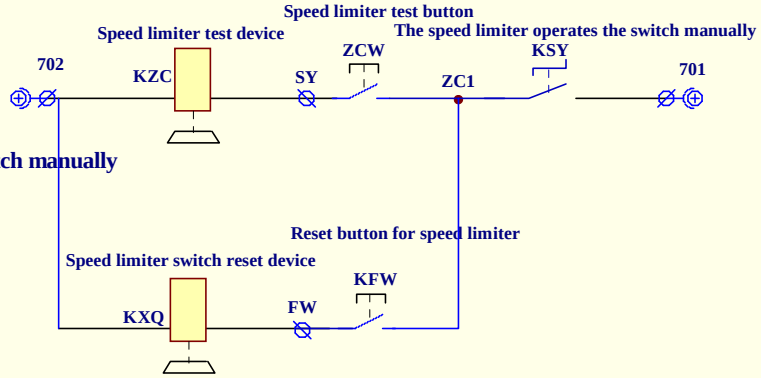
JXH2

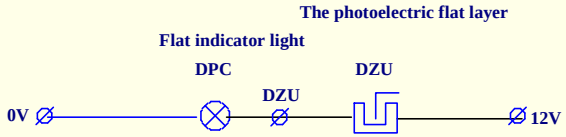


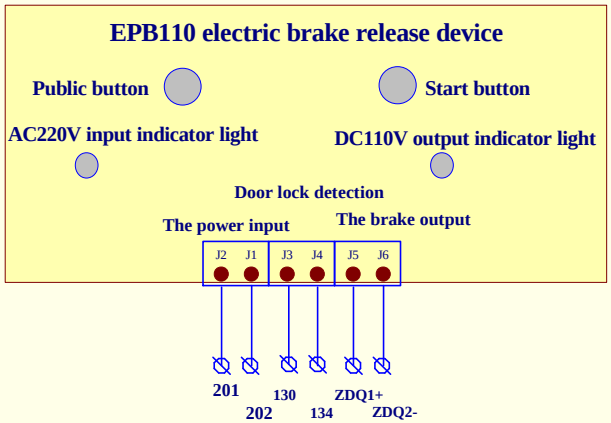
KSY — The speed limiter operates the switch manually

ZCW — Speed limiter test button

KFW — Reset button for speed limiter

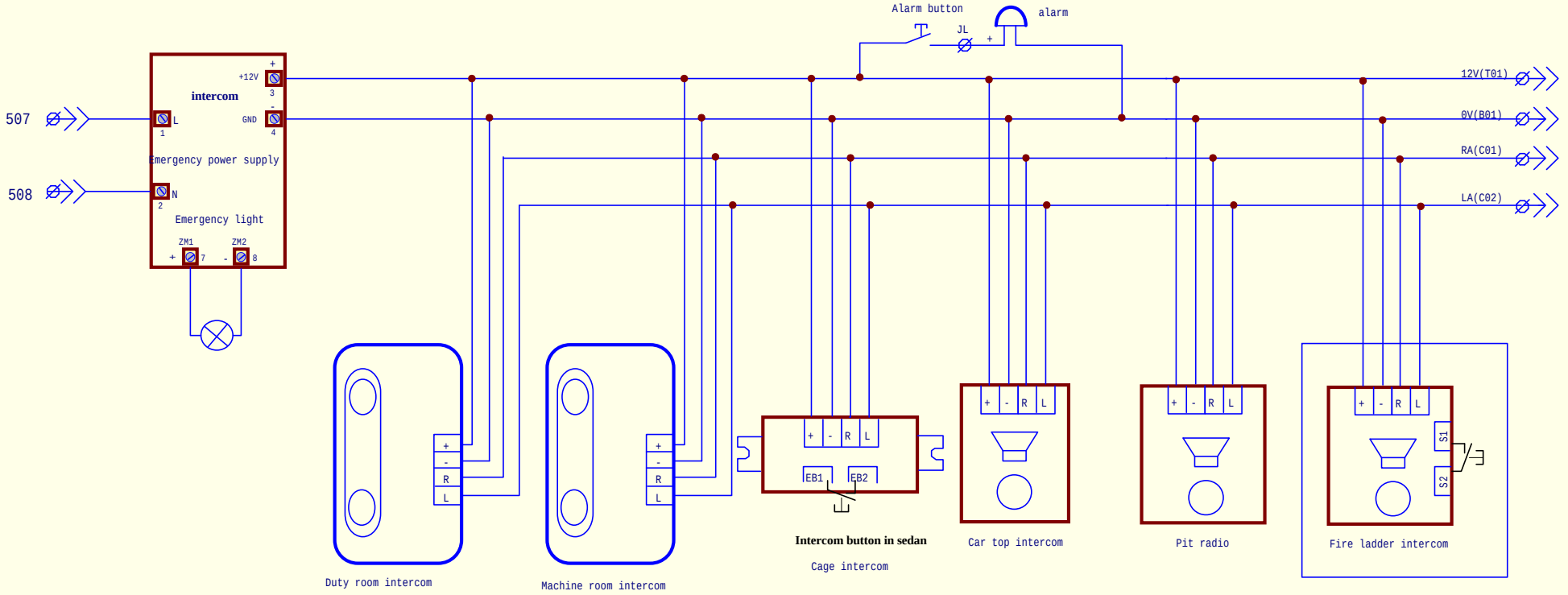






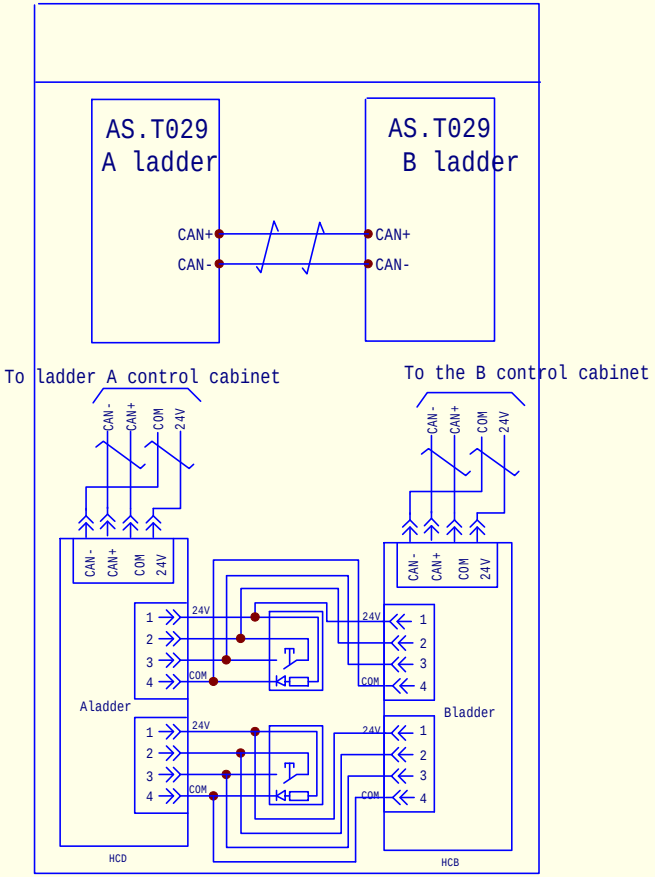
Speed limiter and electric release brake

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

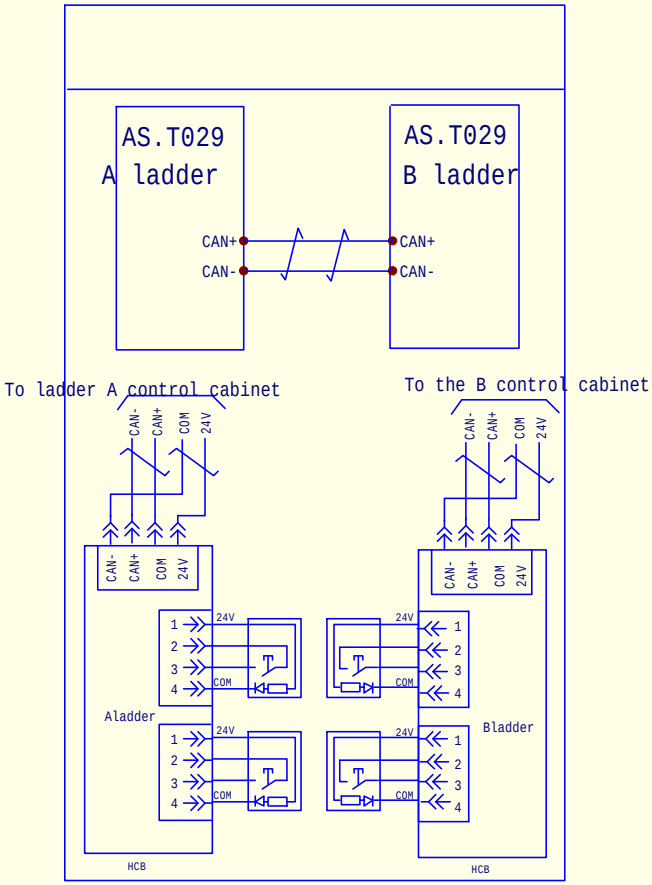


design		total of 45 pages	Interphone system
proofreading		Page 18	The principle diagram of the AS380
audit			

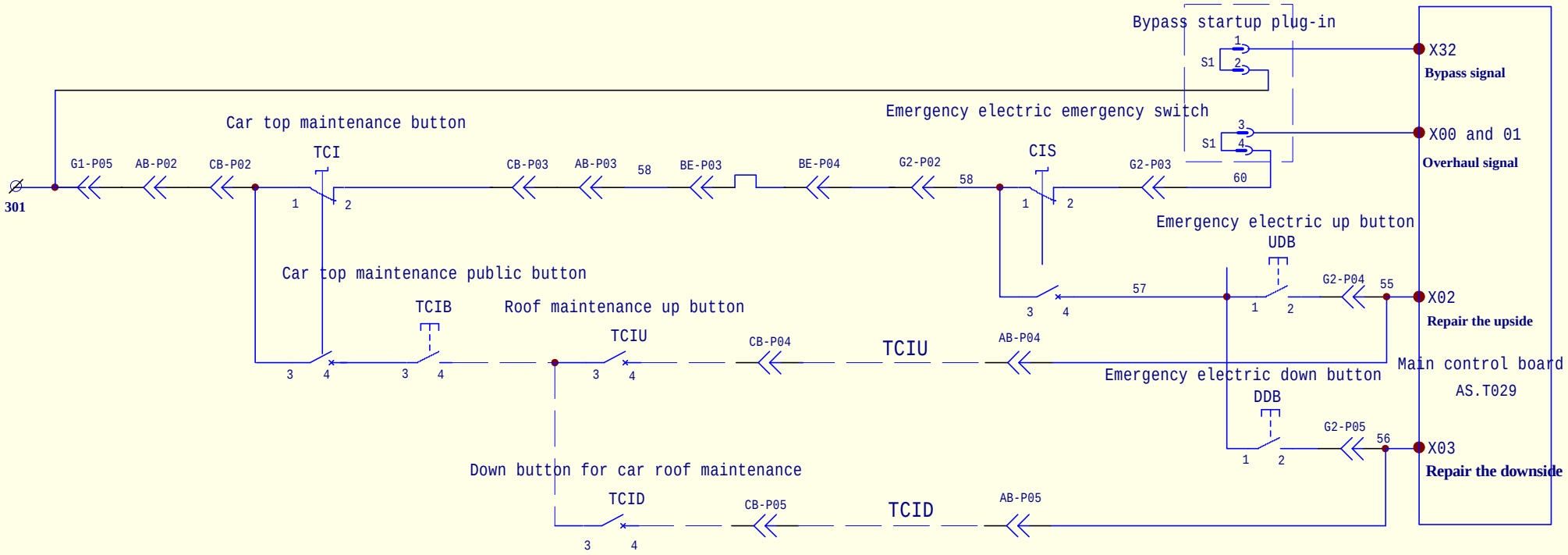
Suitable for parallel operation of ladder A and ladder B on the same side



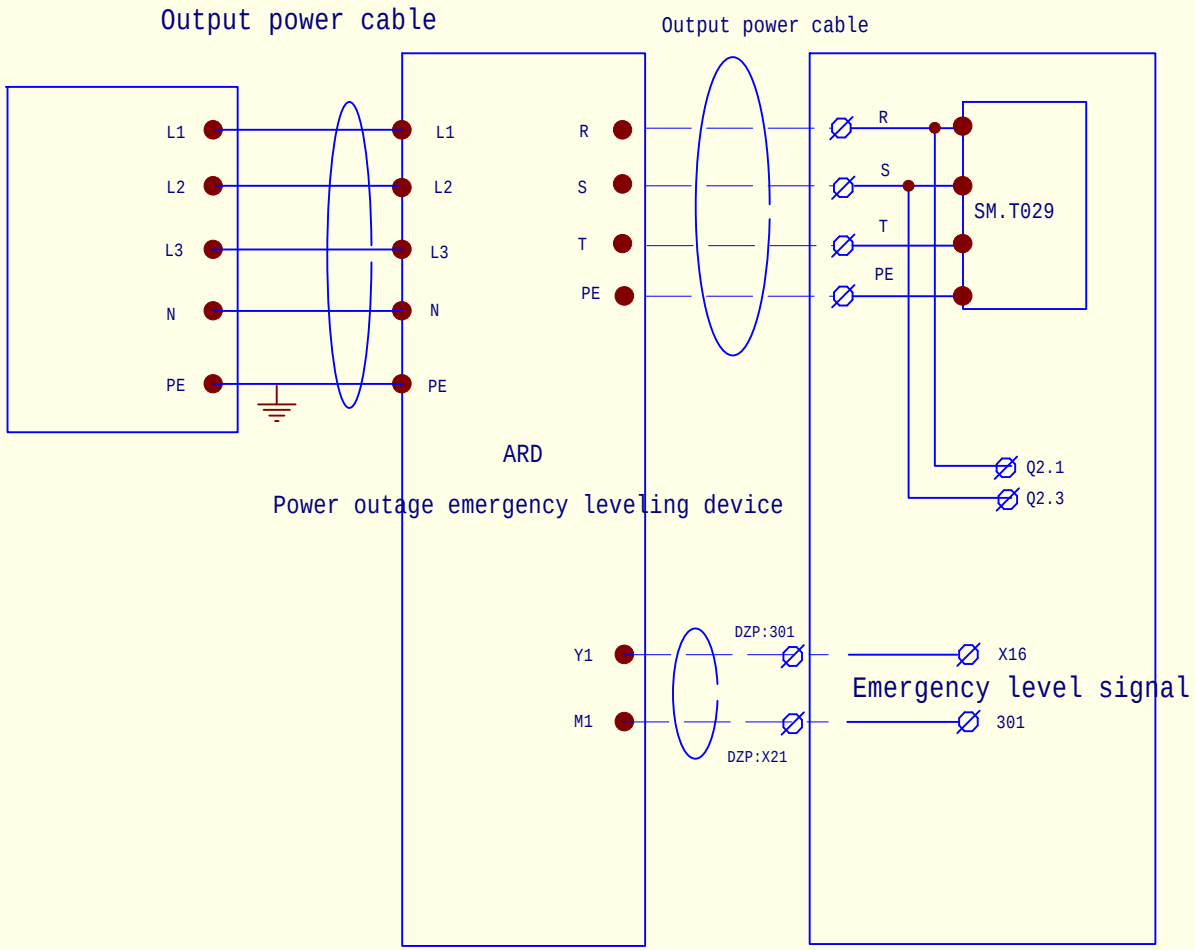
Suitable for parallel operation of ladder A and ladder B on different sides



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



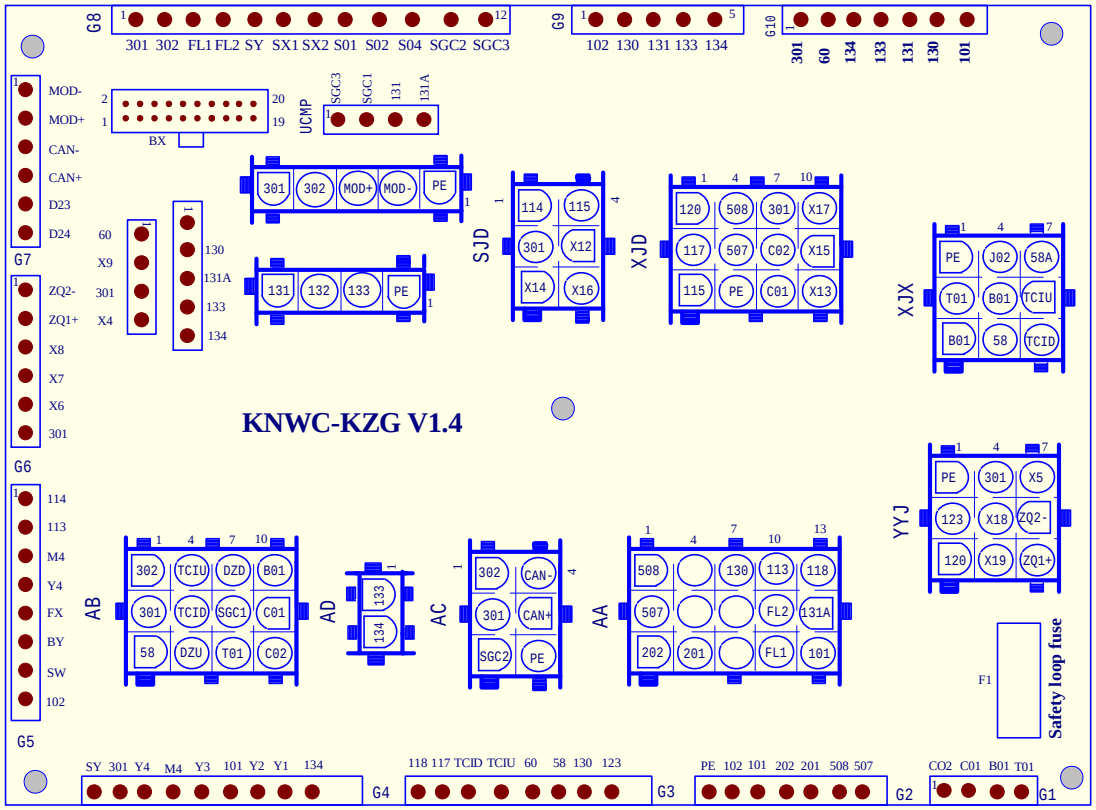
design		total of 45 pages	Overhaul circuit
proofreading		Page 20	The principle diagram of the AS380
audit			



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	

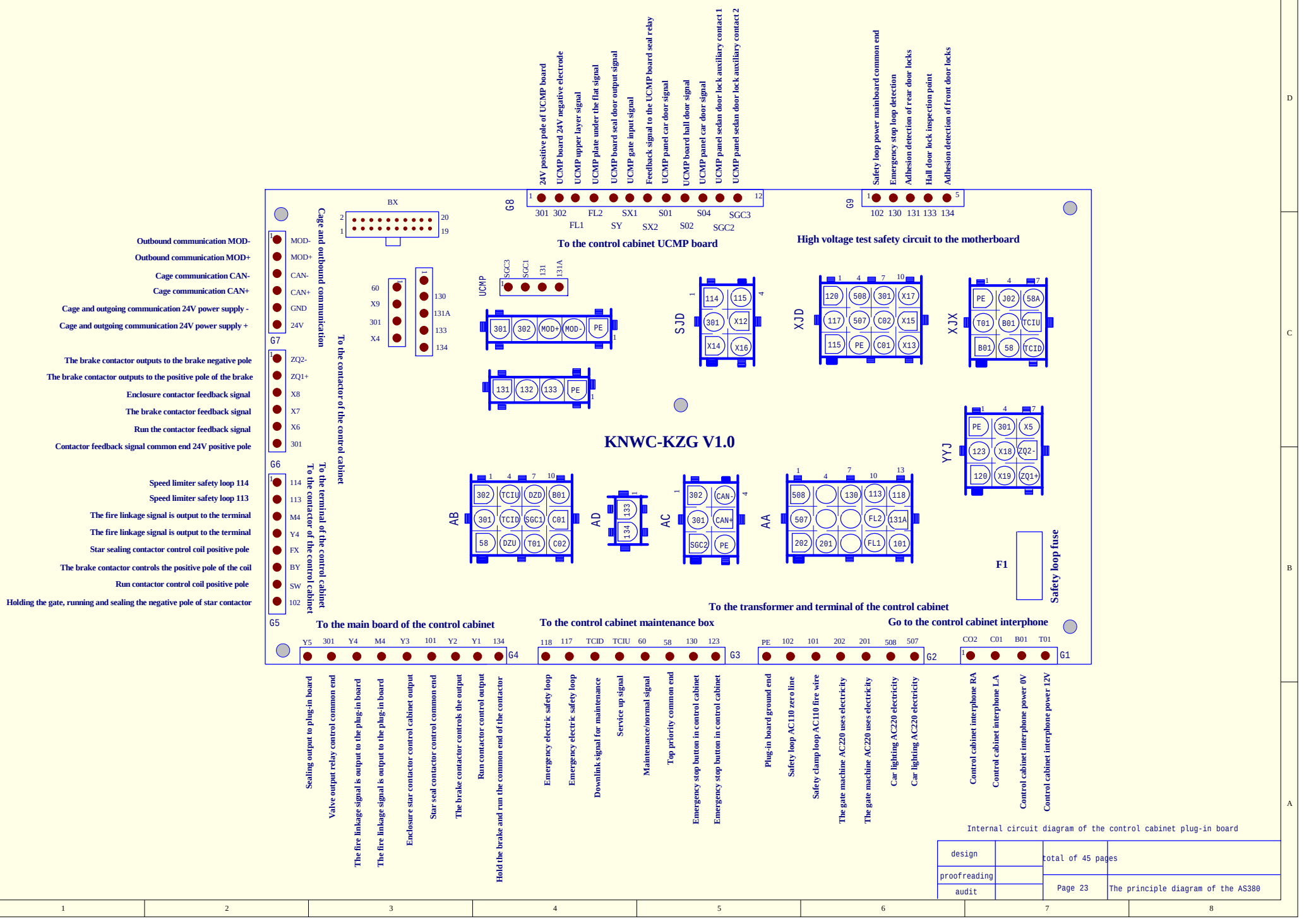
XJX Pit maintenance operation signal line

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

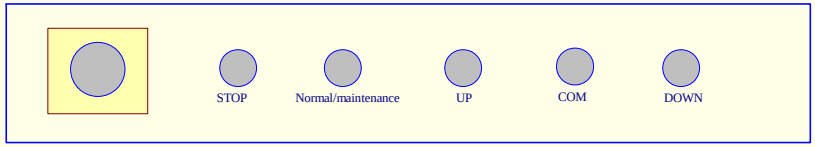
External circuit diagram of the control cabinet plug-in board

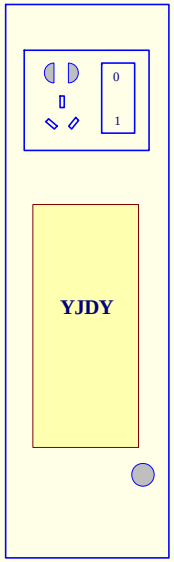
design		total of 45 pages	
proofreading		Page 22	The principle diagram of the AS380
audit			

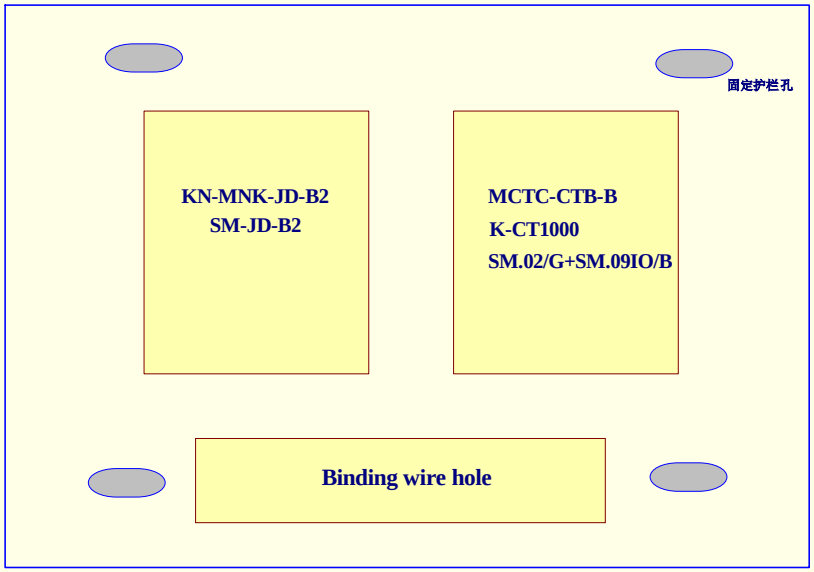


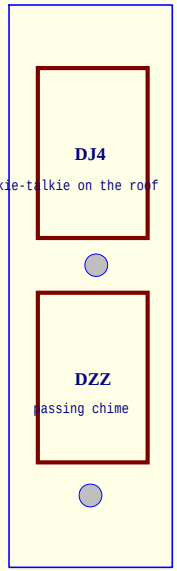
Internal circuit diagram of the control cabinet plug-in board

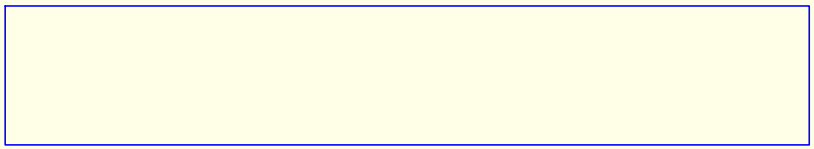
design		total of 45 pages	
proofreading		Page 23	The principle diagram of the AS380
audit			





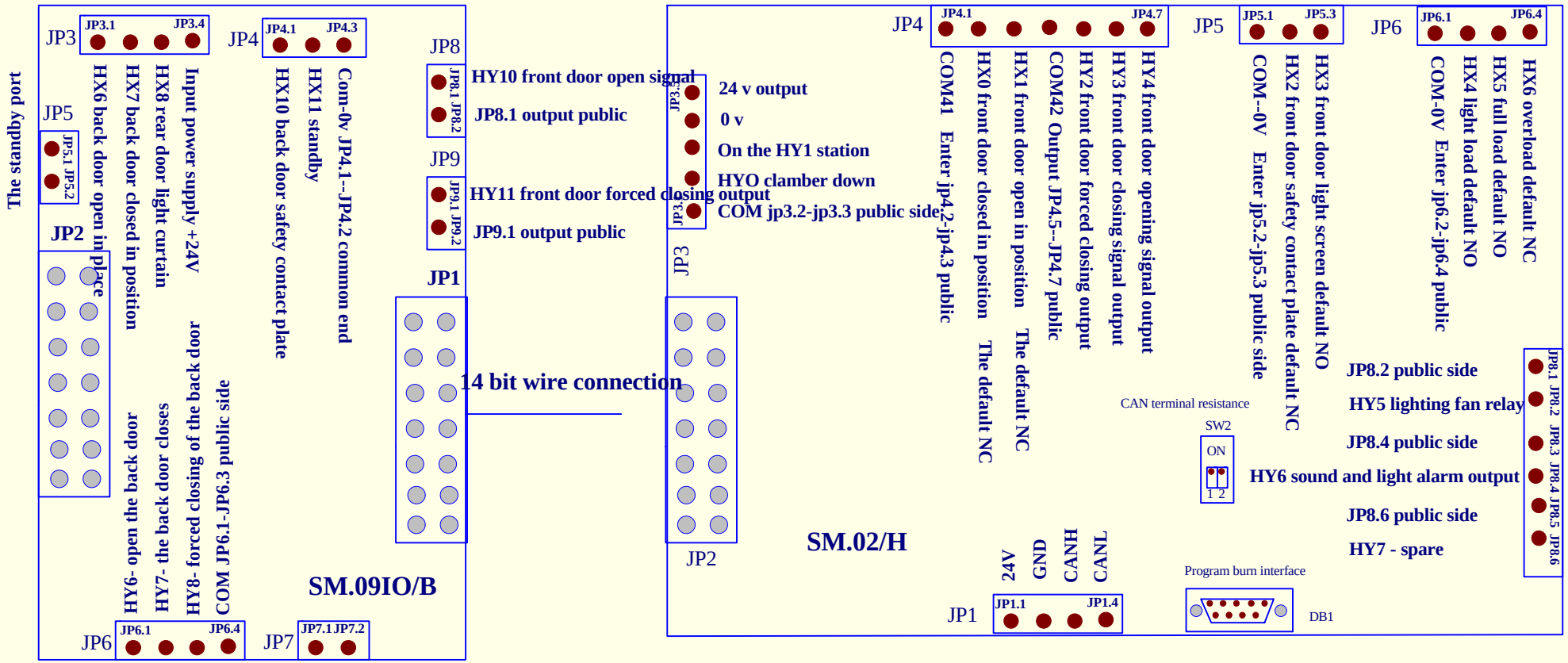




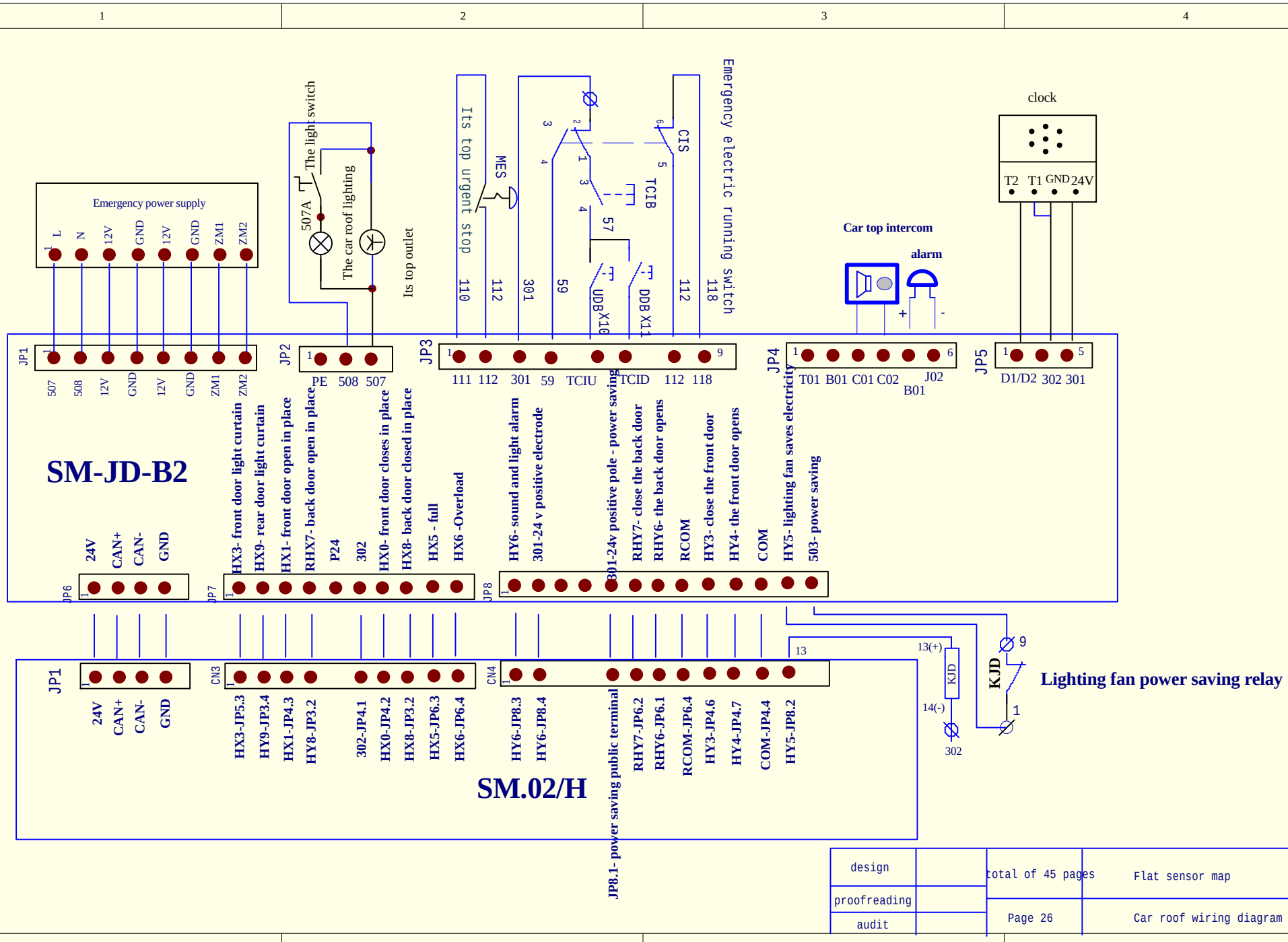


Layout drawing of the inspection box on the roof

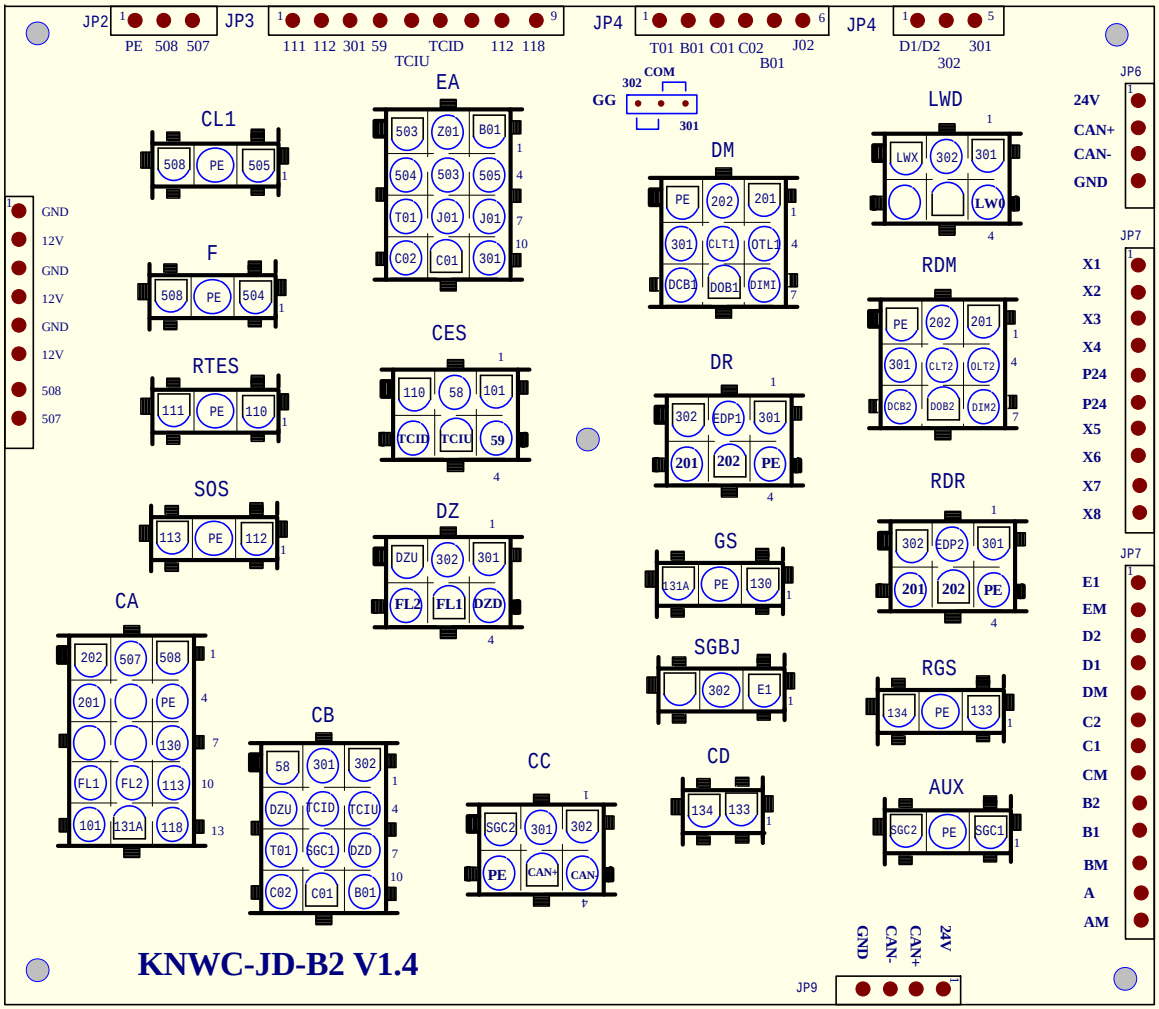
design		total of 45 pages	
proofreading		Page 24	The principle diagram of the AS380
audit			



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			
audit		Page 26	Car roof wiring diagram



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

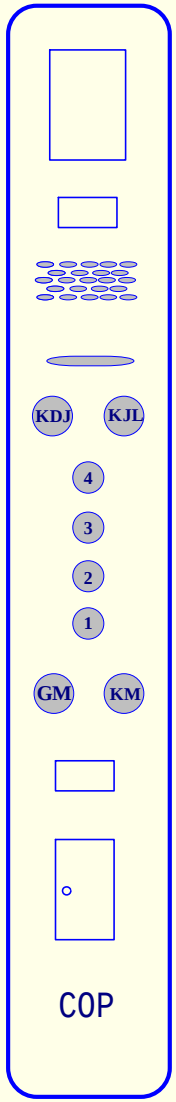
RTES Safety pin/safety window switch wire

drawing number
Cable number

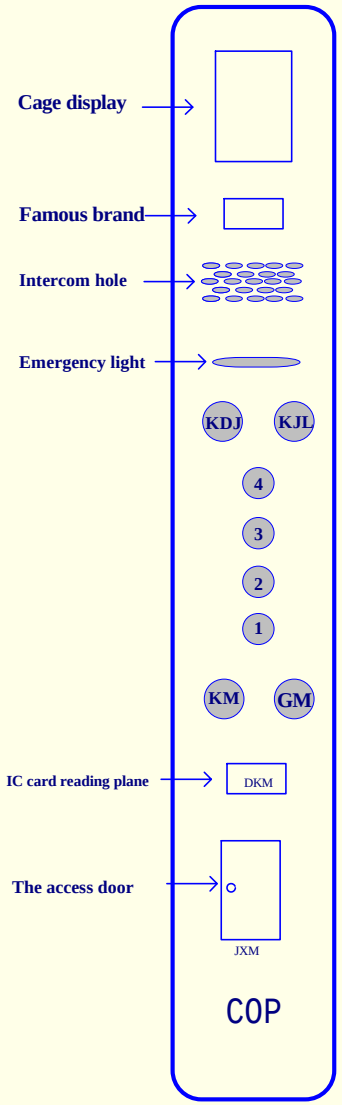
Access box plug-in			Functional description
RTES-P01	1	110	safety pin
RTES-P02	PE	PE	ground
RTES-P03	2	111	safety pin

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

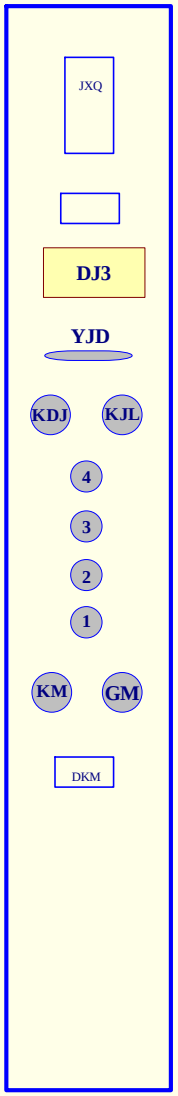
Split type sub-control panel



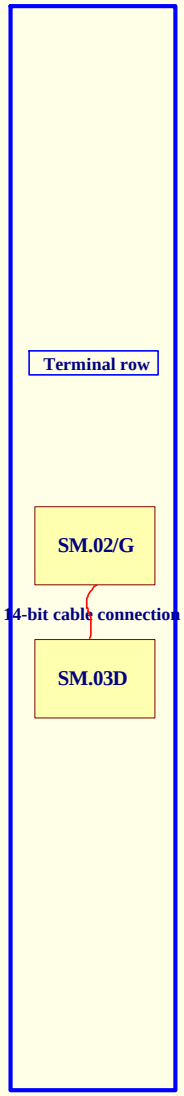
Split type main control panel



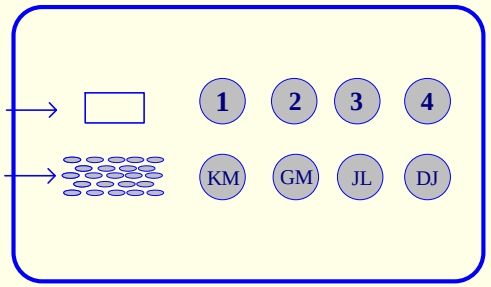
Wipe the layout of components on the vertical plate

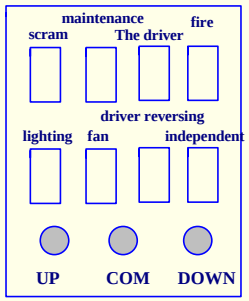


Control tray bottom box component layout



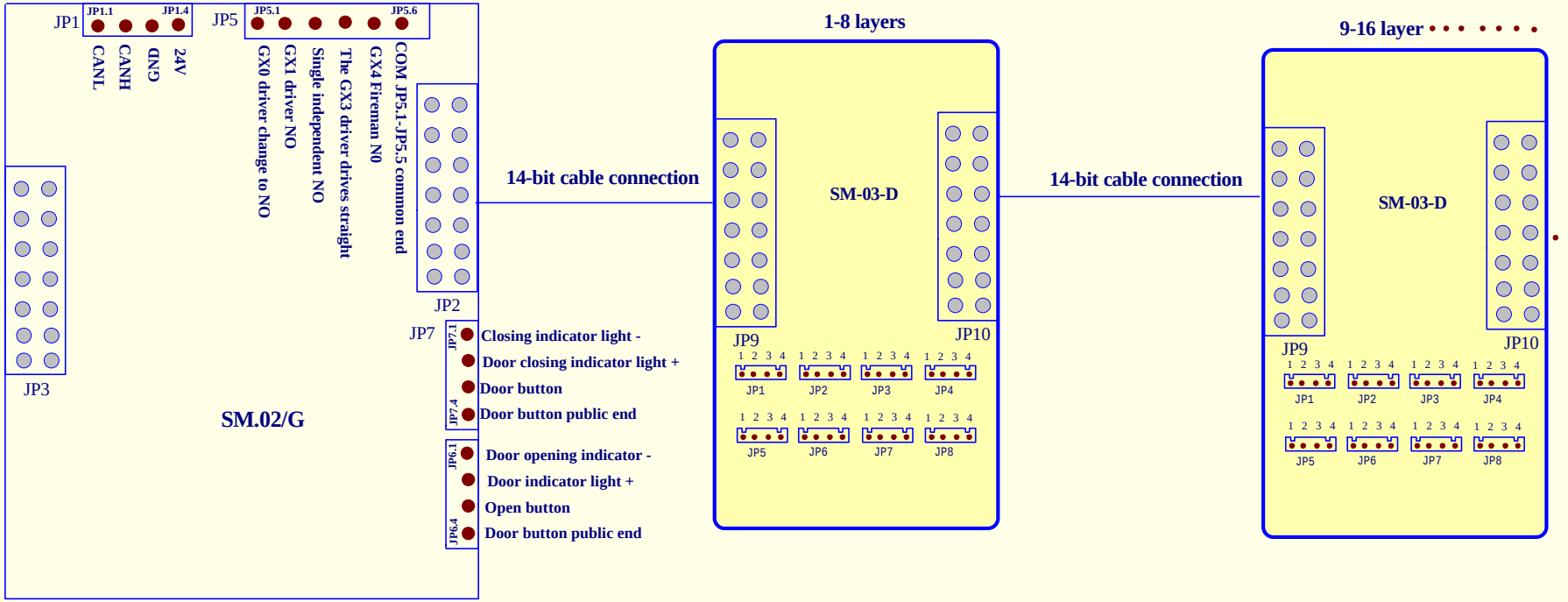
Handicapped control panel





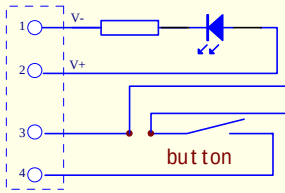
Passenger elevator access door switch layout, no access door, fan and lighting lock

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

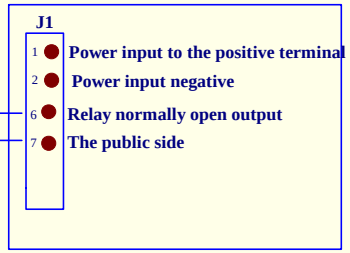


No layered control IC card

Button interface diagram

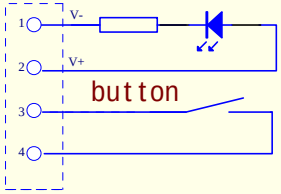


KD-105



Command board button

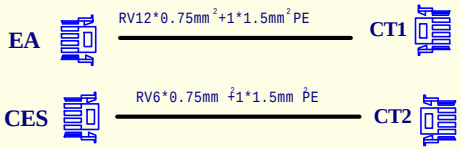
Interface figure



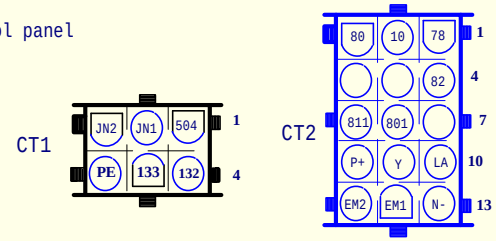
Select the instruction board inside

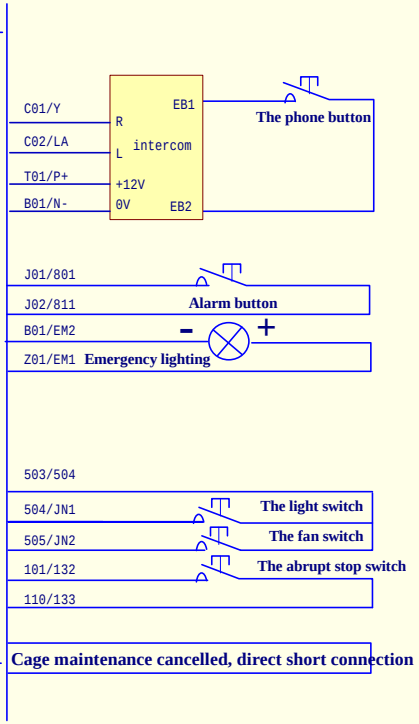
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EA CES plug-in to the top of the car maintenance box



CT1 CT2 plug into the control panel





Plug-in for extension cable of control panel:
EA and CES
Cables are public plugins
Female insert pin, insert pin model: 350536-1

Corresponding to the drawing label

EA	EA-P01	black1	B01	应急照明+
	EA-P02	black2	Z01	应急照明-
	EA-P03	black3	503	照明L
	EA-P04	black4	505	轿厢照明
	EA-P05	black5	503	风扇L
	EA-P06	black6	504	轿厢风扇
	EA-P07	black7	J01	警铃开关
	EA-P08	black8	J02	警铃开关
	EA-P09	black9	T01	对讲电源12V
	EA-P10	black10	301	对讲电源0V
	EA-P11	black11	C01	对讲信号R
	EA-P12	black12	C02	对讲信号L

CES	CES-P01	black1	101	轿厢急停
	CES-P02	black2	58	轿厢检修
	CES-P03	black3	110	轿厢急停
	CES-P04	black4	59	轿厢检修
	CES-P05	black5	TCIU	检修上行
	CES-P06	black6	TCID	检修上行

Plug-in for extension cable of control panel:
CT1 and CT2 are public plug-ins
Model number of public pin:

Corresponding to the drawing label

CT2--14	black1	EM1	应急照明+
CT2--15	black2	EM2	应急照明-
CT1--1	black3	504	照明L
CT1--3	black4	JN1	轿厢照明
CT1--1	black5	504	风扇L
CT1--2	black6	JN2	轿厢风扇
CT2--8	black7	801	警铃开关
CT2--9	black8	811	警铃开关
CT2--12	black9	T01	对讲电源12V
CT2--13	black10	N-	对讲电源0V
CT2--11	black11	Y	对讲信号R
CT2--10	black12	LA	对讲信号L
CT1--4	black1	132	轿厢急停
CT2--1	black2	78	轿厢检修
CT1--5	black3	133	轿厢急停
CT2--2	black4	10	轿厢检修
CT2--3	black5	80	检修上行
CT2--4	black6	82	检修下行

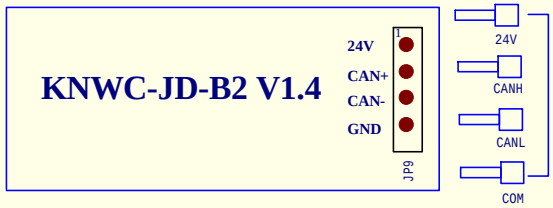
Plug-ins inside the control panel:
CT1 and CT2 are the parent plug-ins
Female insert pin, insert pin model:
350536-1

The CT1 CT2 plug-in has a built-in control panel

Corresponding to the drawing label

CT2--14	black1	EM1	应急照明+
CT2--15	black2	EM2	应急照明-
CT1--1	black3	504	照明L
CT1--3	black4	JN1	轿厢照明
CT1--1	black5	504	风扇L
CT1--2	black6	JN2	轿厢风扇
CT2--8	black7	801	警铃开关
CT2--9	black8	811	警铃开关
CT2--12	black9	P+	对讲电源12V
CT2--13	black10	N-	对讲电源0V
CT2--11	black11	Y	对讲信号R
CT2--10	black12	LA	对讲信号L
CT1--4	black1	132	轿厢急停
CT2--1	black2	78	轿厢检修
CT1--5	black3	133	轿厢急停
CT2--2	black4	10	轿厢检修
CT2--3	black5	80	检修上行
CT2--4	black6	82	检修下行

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

Wiring Diagram of Control Panel - STEP

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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

DZ3

C01 C01
C02 C02
+12V +12V
0V 0V
J01 J01
J02 J02
B01 B01
Z01 Z01

R
L
对讲机
+12V
0V
EB1
EB2

电话按钮

警铃按钮

DZ4

503 503 — The light switch
504 504 — The fan switch
505 505 — The car to stop
101 101
110 110
58 58 — Cage maintenance cancelled, direct short connection
59 59
TCIU TCIU
TCIU TCIU

Straight pin: E7508

KNWC-JD-B2 V1.4

JP9: 24V, CAN+, CAN-, GND

24V
CANH
CANL
GND

RVVP4*0.75mm

4 meters

The car plate

SM.02/G

24V GND CANH CANL

JP1.4 JP1.1 JP1

RVVP4*0.75mm

1 meter

24V GND CANH CANL

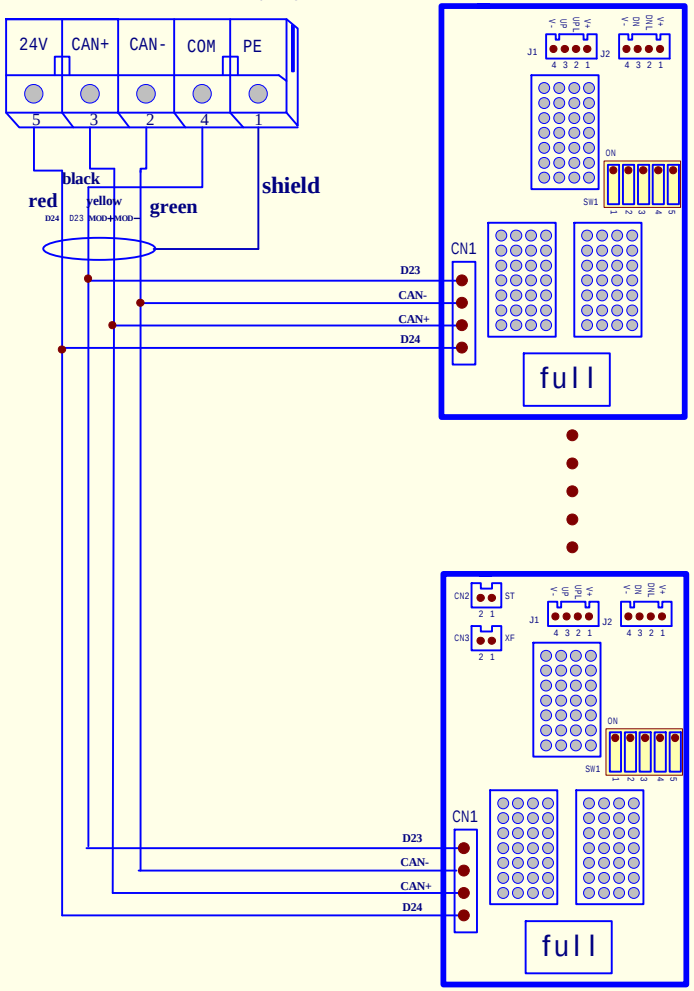
JP1.4 JP1.1 JP1

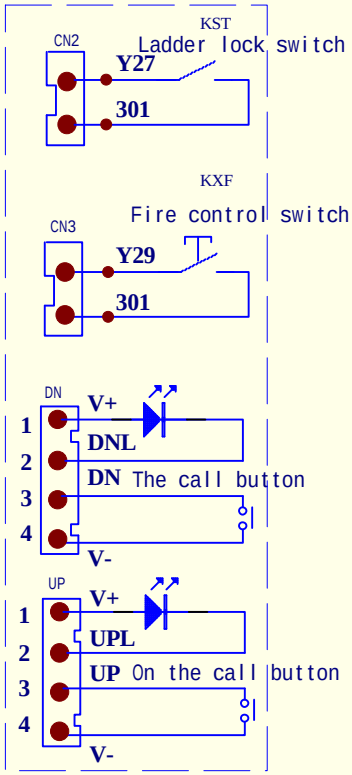
Note: PCB plug-in for female plug-in male pin.
Cable EA and CES plugins are public plugins
Female insert pin, insert pin model: 350536-1

Control Panel Wiring Diagram - Standard Control Panel

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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.

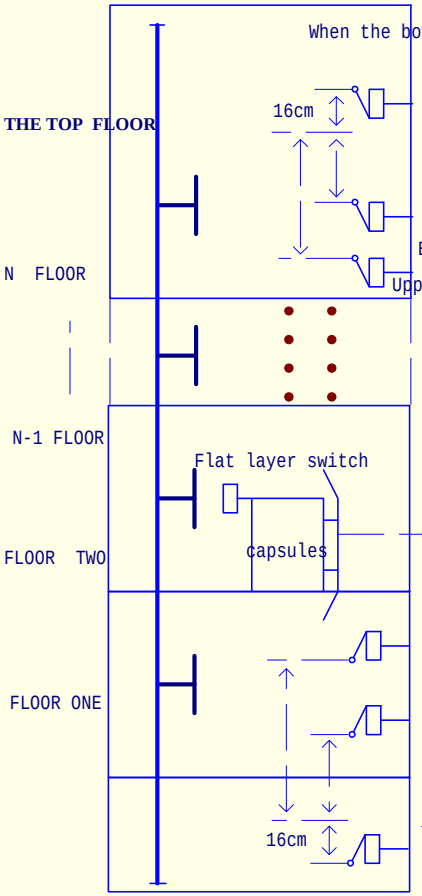
CN2 base station ladder locking interface, docking with ladder locking electric lock.

CN3 fire switch interface, butt joint with fire switch.

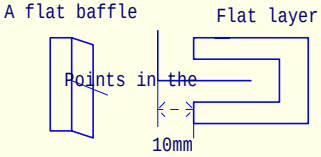
UP UP button interface.

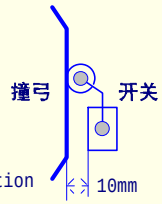
DN downlink button interface.

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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

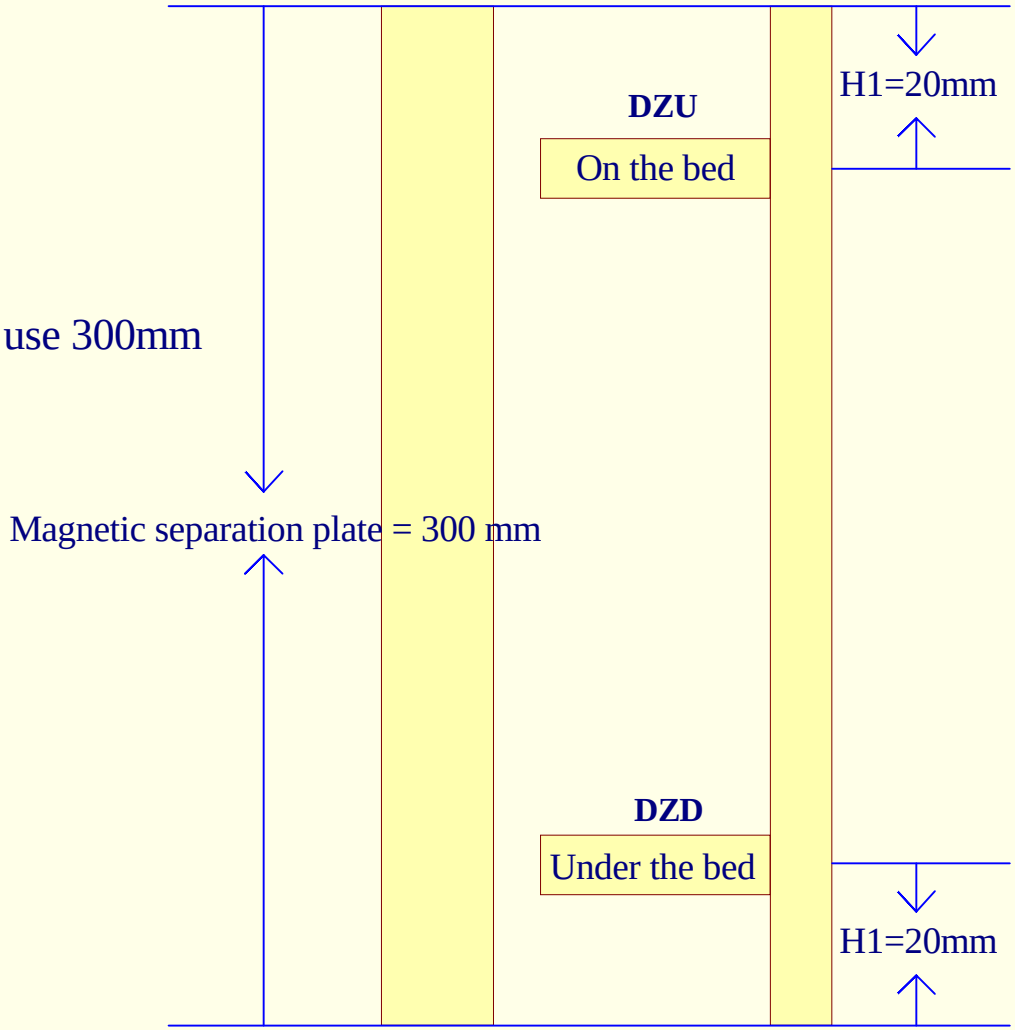
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Installation requirements of flat layer sensor:

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



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proofreading		Page 33	The principle diagram of the AS380
audit			