NICE3000 elevator electrical schematic diagram

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

Drawing no. : K - D - 001 - C

Version: V2.0

Murnak KNWC-KZG plug-in plate - Electrical schematic diagram catalog

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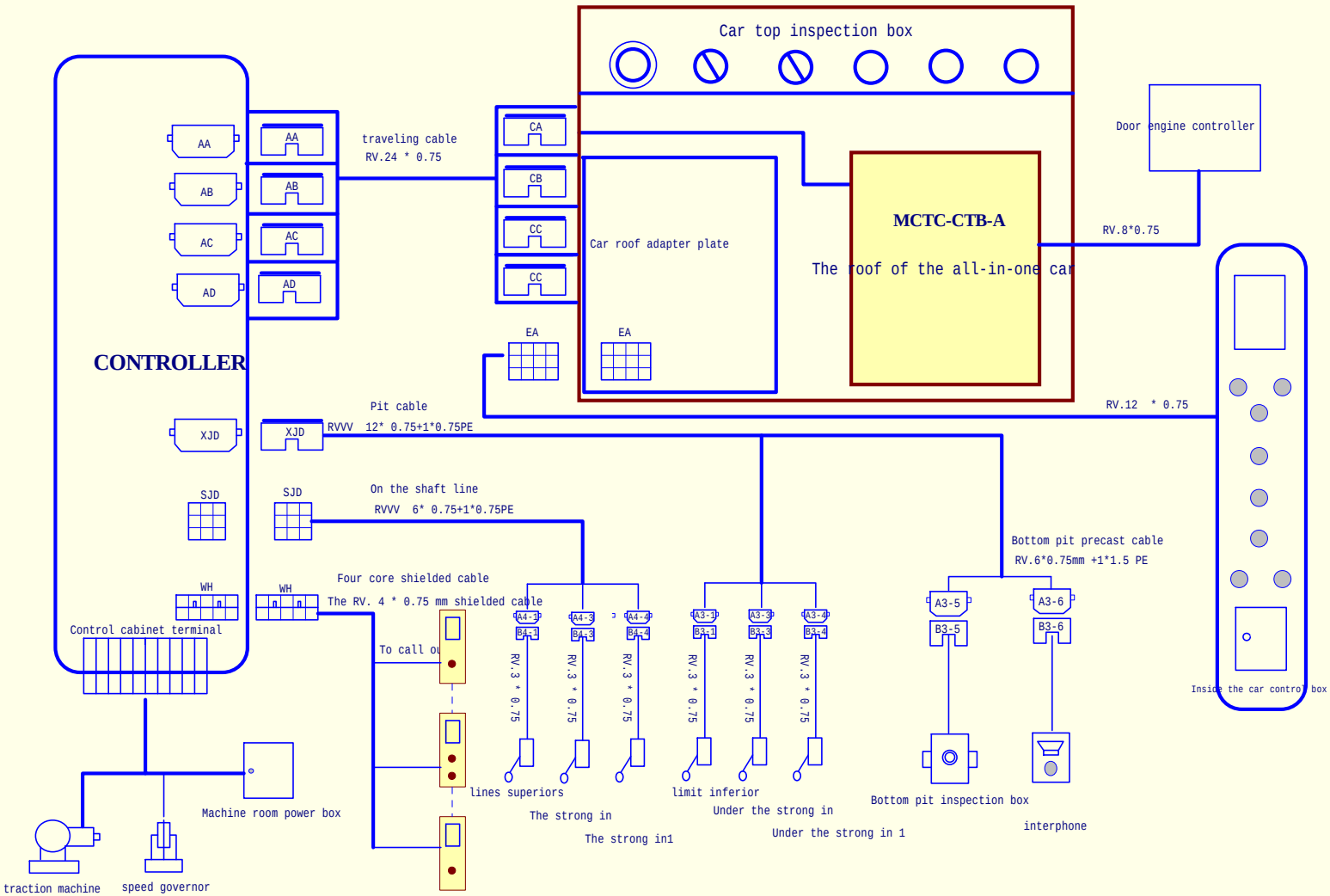
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Drawings change record sheet

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

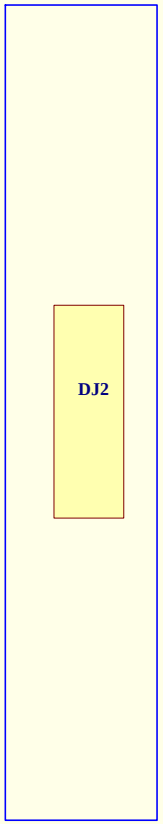
design		total of 45 pages	Drawing change record
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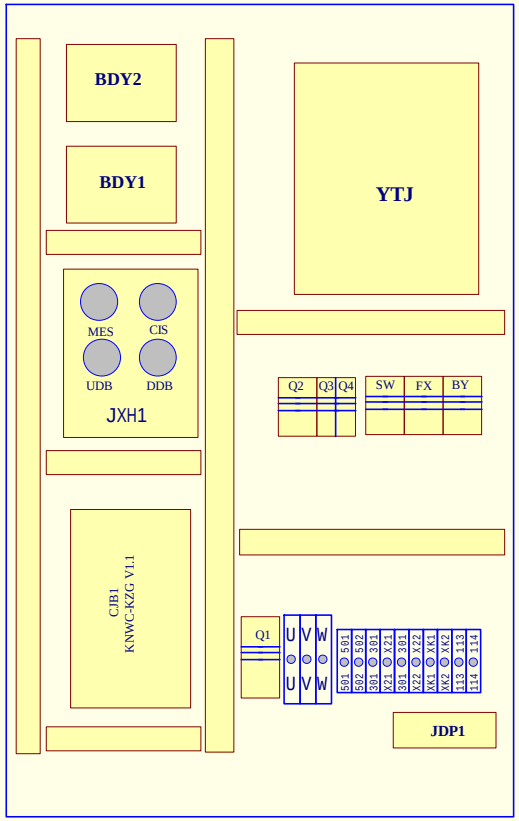
design		total of 45 pages	General wiring diagram
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The layout of the elevator control cabinet in the machine room is available

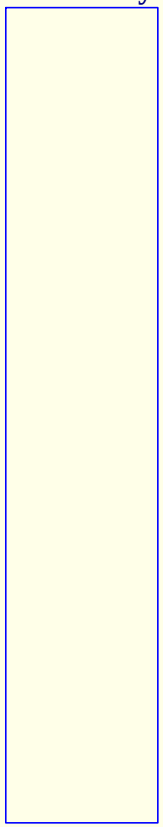
Control cabinet left Side of the layout



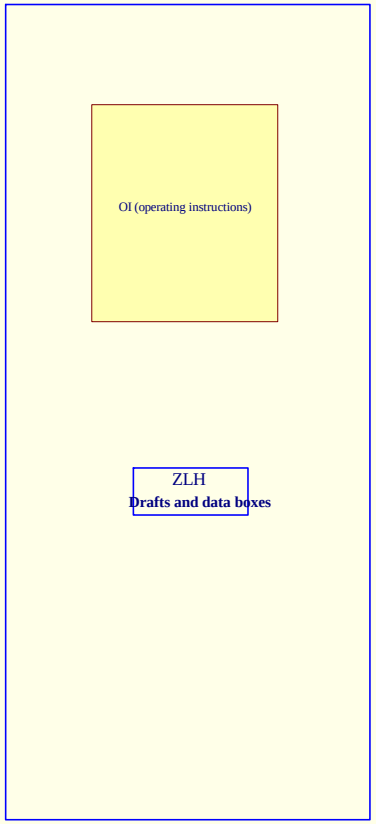
Layout diagram of floor components



Control cabinet to the right Side of the layout

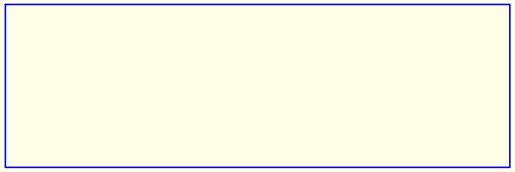


Control cabinet door layout drawing



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	DNB12(1-1A) holding gate
JXH1	Control cabinet inspection box	Components that
BDY2	switching power supply	24 v power supply

Control cabinet bottom layout drawing

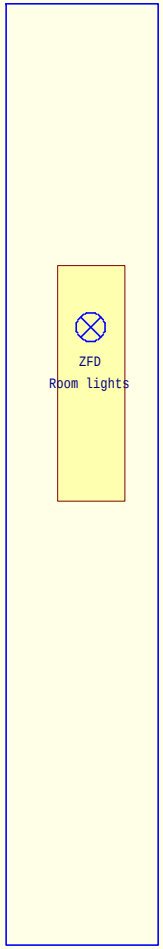


Have the layout of components in the machine room

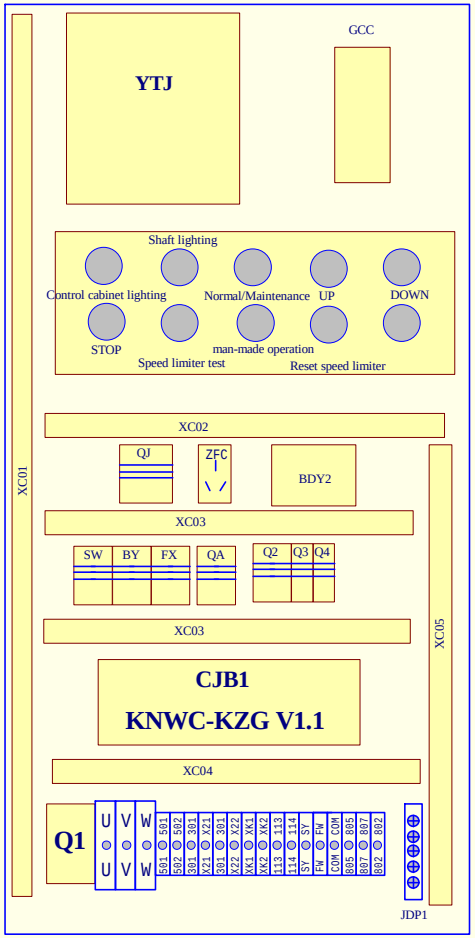
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Machine room - less synchronous elevator control cabinet layout

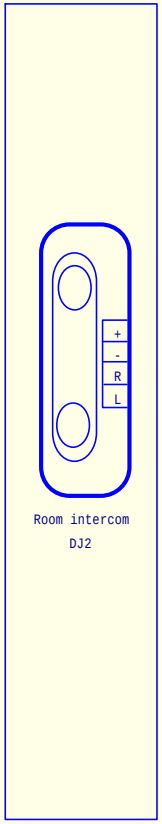
Control cabinet left Side of the layout



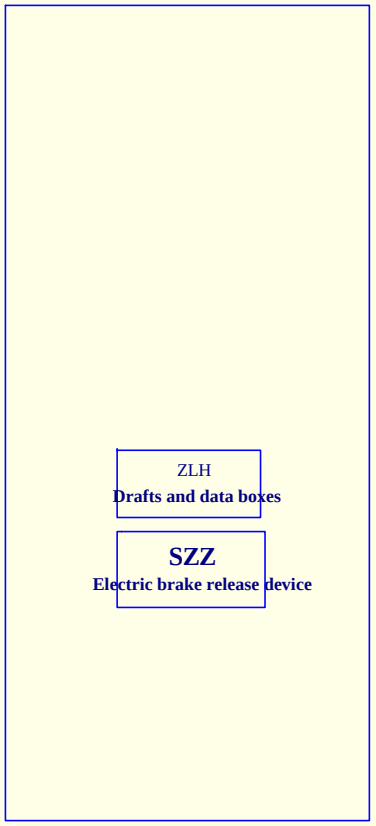
Layout diagram of floor components



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

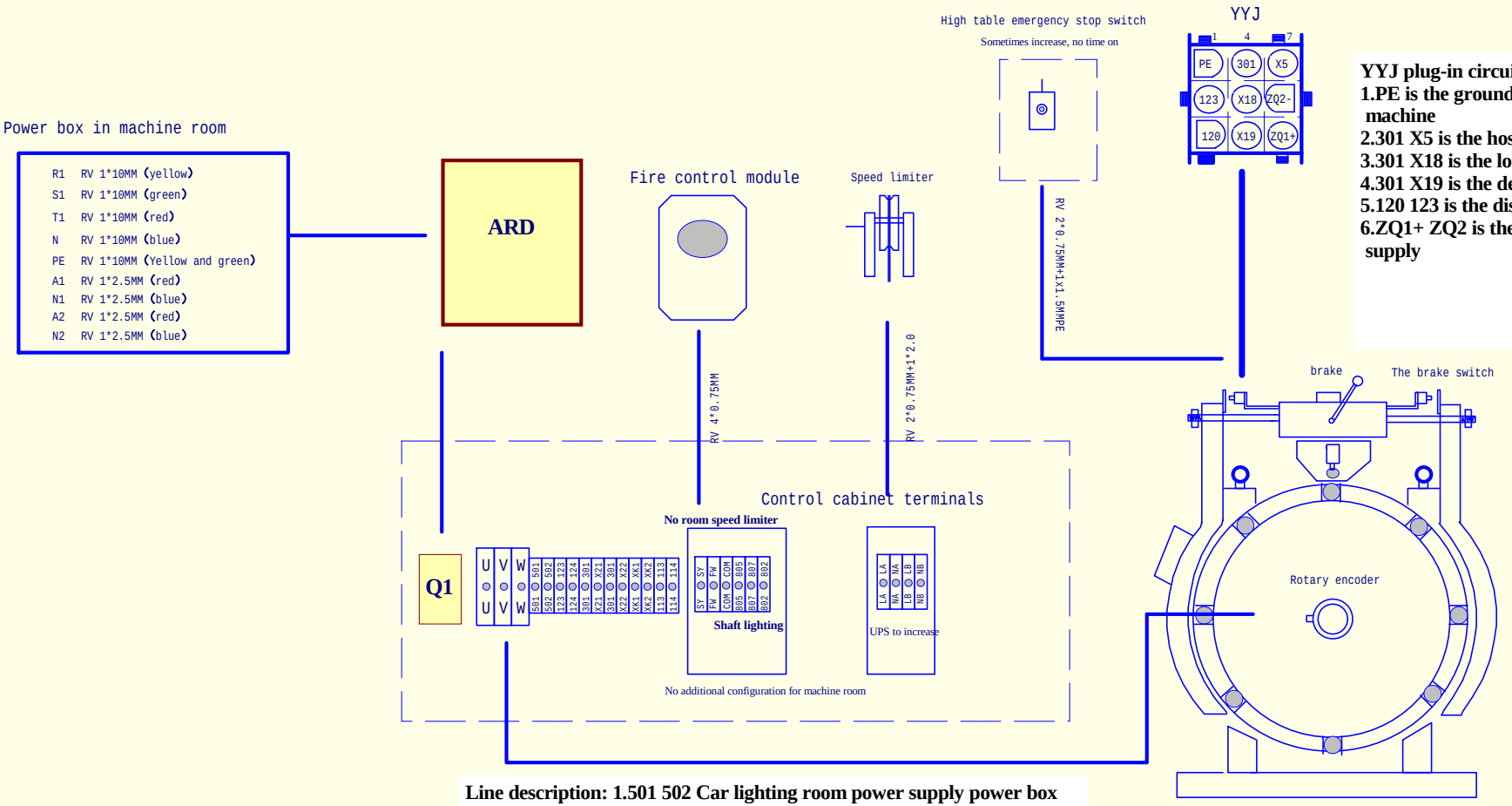
Control cabinet bottom layout drawing



design		total of 45 pages	Room - free component layout
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Drawing code notes						Symbols that		Description of circuit board
Q1-Qn+1	Air switch	KFW	Speed limiter reset button	2BFS	Car bumper		Normally closed contacts	Integrated controller MCTC-MCB-C2
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 MCTC-CTB-A
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 MCTC-CCB-A
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
proofreading		Page 06	The principle diagram of the NICE3000
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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

Line description: 1.501 502 Car lighting room power supply power box access
2. 123 124 ARD phase sequence relay safety loop
2. 301 X21 fire control input signal
3. 301 X22 ARD startup signal
4. XK1 XK2 fire return signal to fire control room
6. 113 114 Switch between the speed limiter loop and the speed limiter

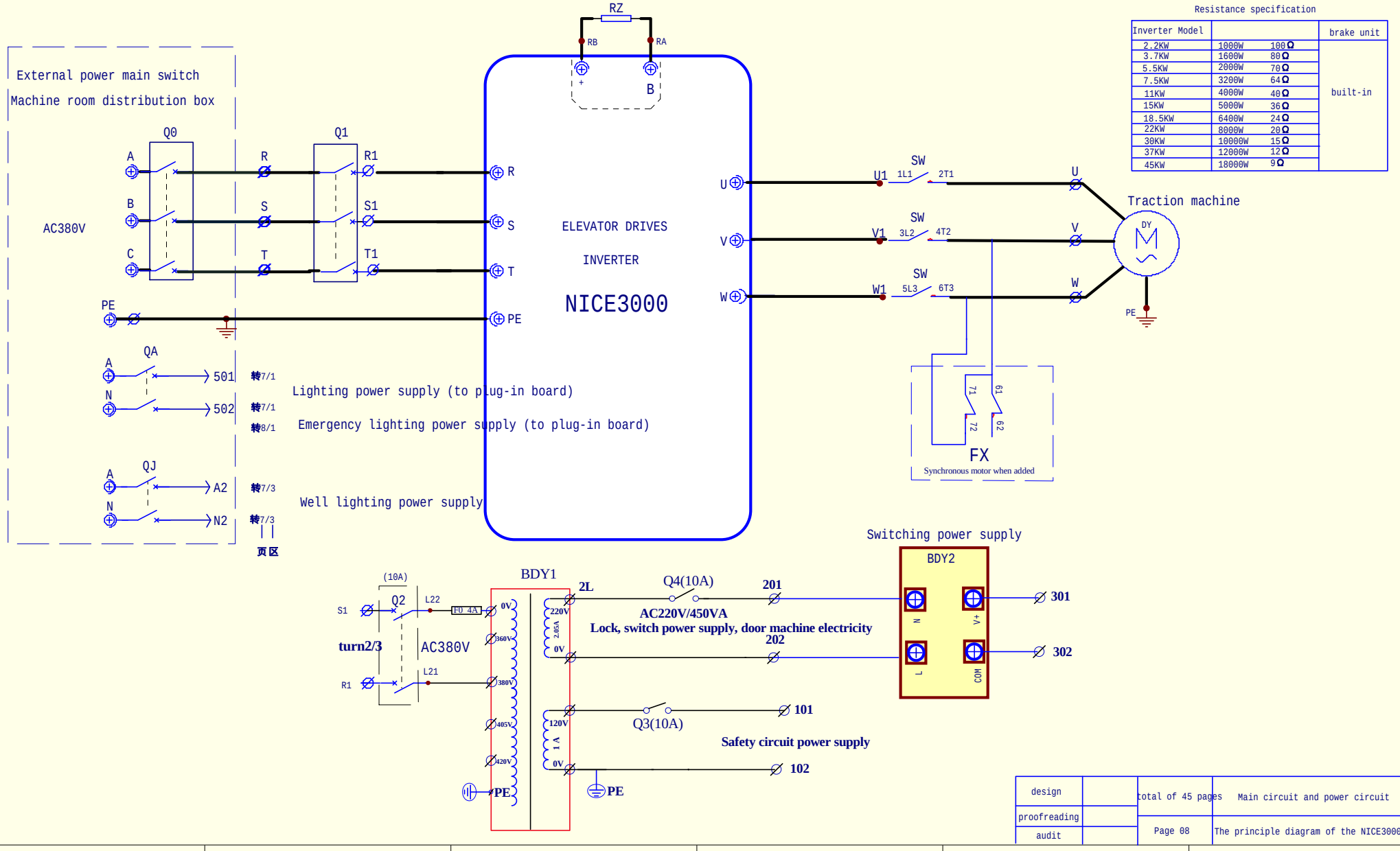
design		total of 45 pages	Machine room wiring diagram
proofreading		Page 07	The principle diagram of the NICE3000
audit			

Refer to the table below for details of resistance specifications

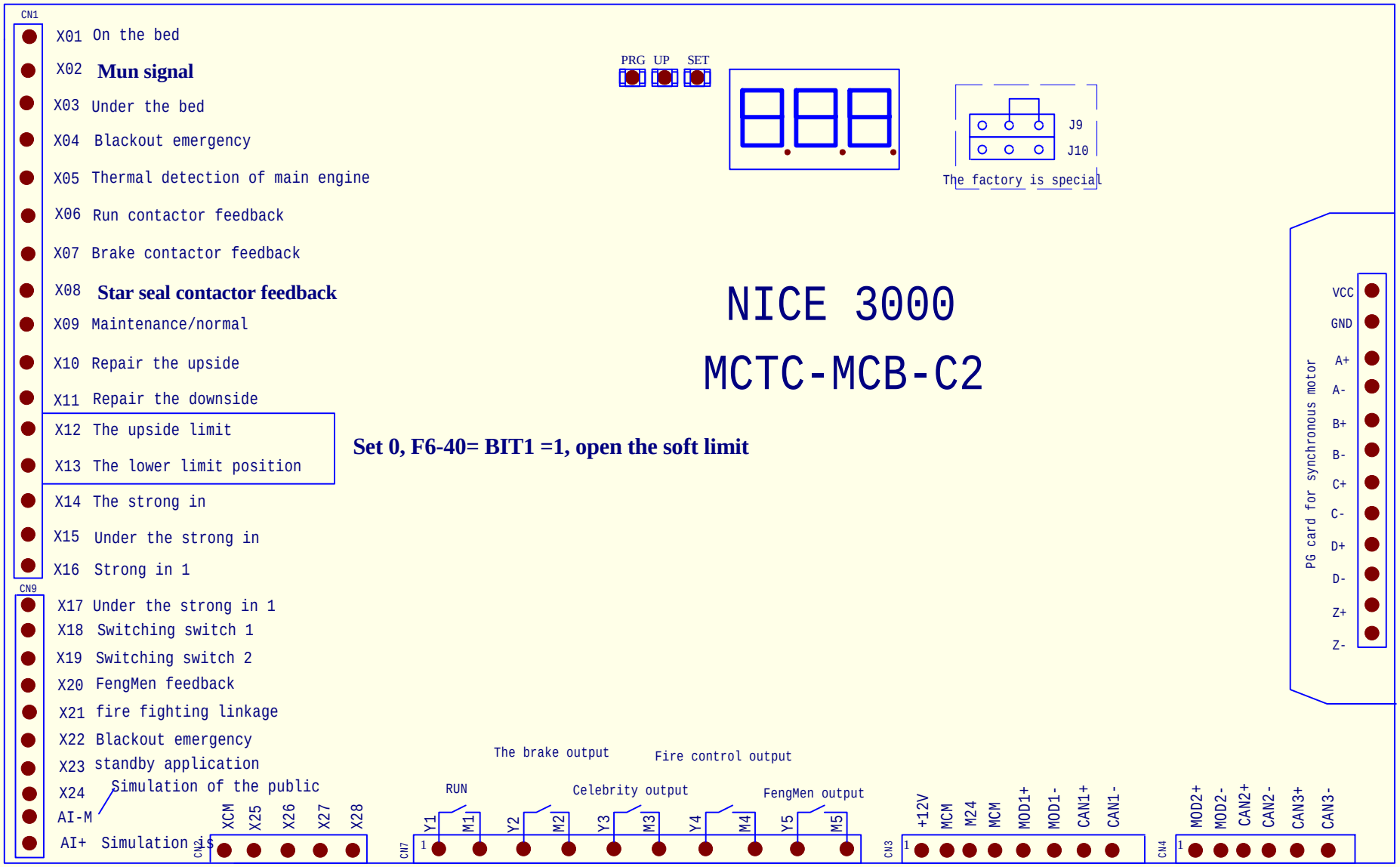
Brake resistance configuration table

Resistance specification

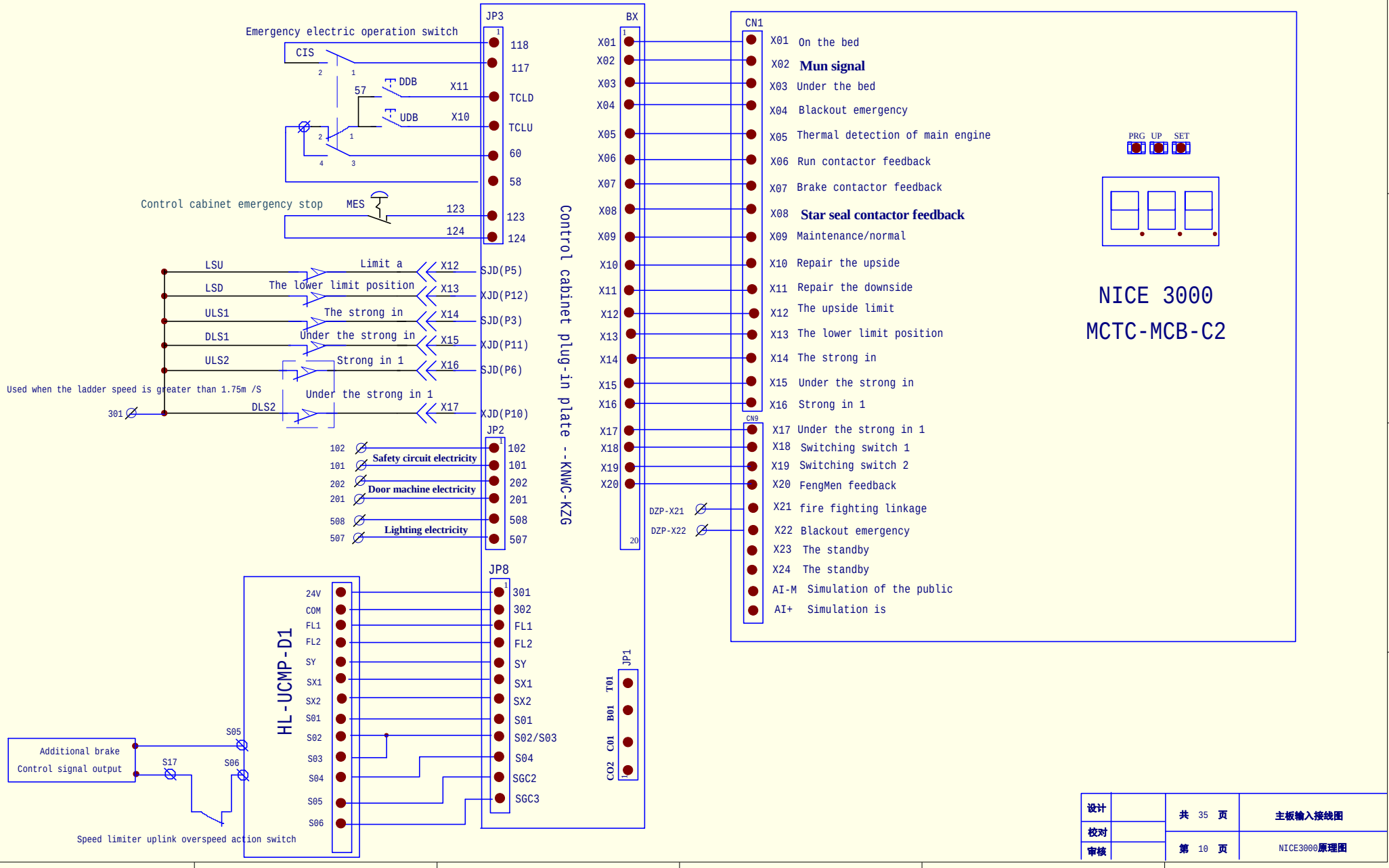
Inverter Model			brake unit
2.2KW	1000W	100Ω	built-in
3.7KW	1600W	80Ω	
5.5KW	2000W	70Ω	
7.5KW	3200W	64Ω	
11KW	4000W	40Ω	
15KW	5000W	36Ω	
18.5KW	6400W	24Ω	
22KW	8000W	20Ω	
30KW	10000W	15Ω	
37KW	12000W	12Ω	
45KW	18000W	9Ω	



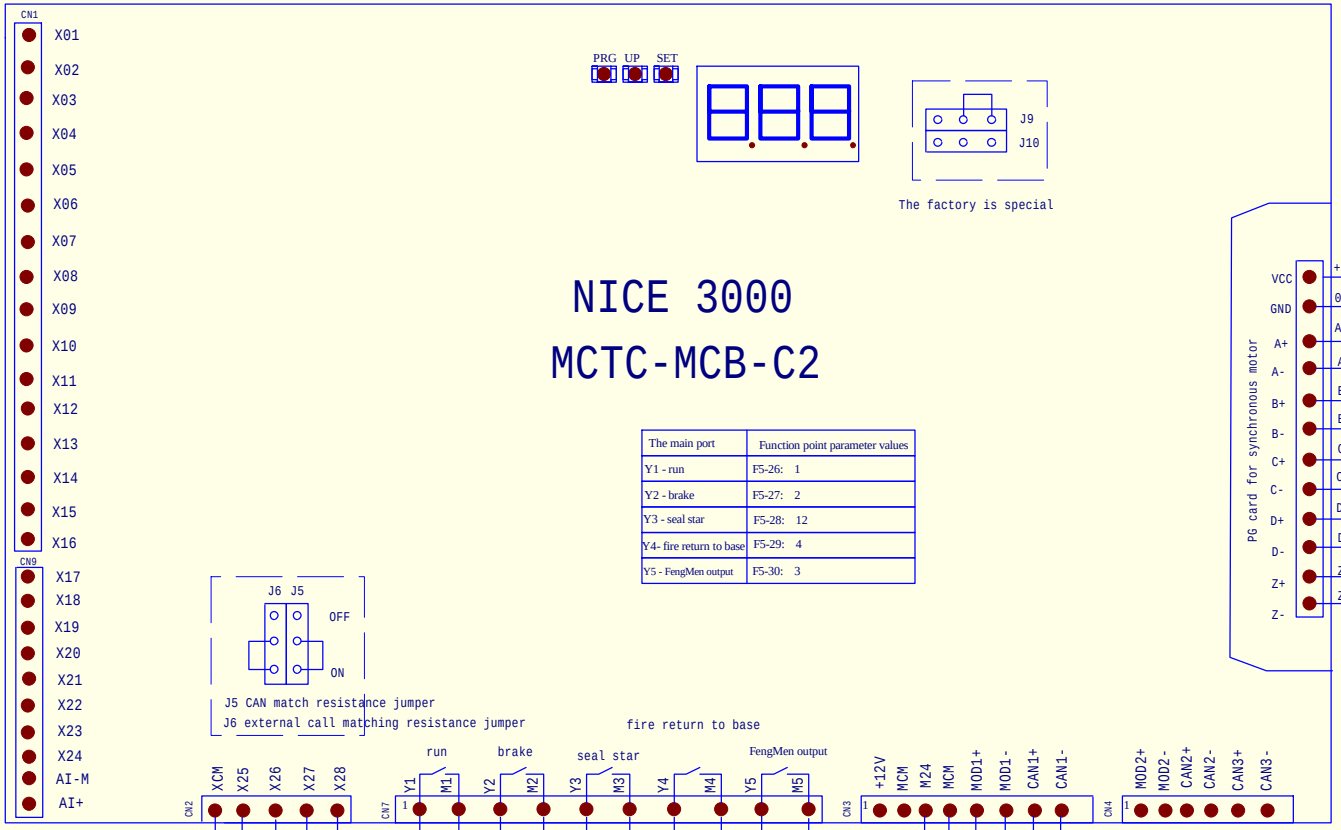
design		total of 45 pages	Main circuit and power circuit
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design		total of 45 pages	Motherboard port diagram
proofreading			
audit		Page 09	The principle diagram of the NICE3000

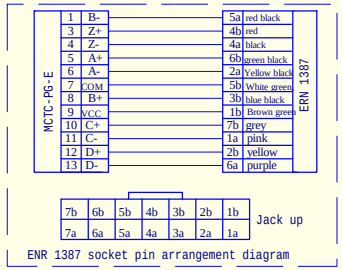

Emergency electric operation switch
CIS
DDB
UDB
57
X11
X10
TCLD
TCLU
60
58
Control cabinet emergency stop
MES
123
124
LSU
LSD
ULS1
DLS1
ULS2
DLS2
Limit a
The lower limit position
The strong in
Under the strong in
Strong in 1
Under the strong in 1
X12
X13
X14
X15
X16
X17
SJD(P5)
XJD(P12)
SJD(P3)
XJD(P11)
SJD(P6)
XJD(P10)
Used when the ladder speed is greater than 1.75m /S
301
JP3
JP2
JP8
JP1
BX
Control cabinet plug-in plate --KNMC-KZG
102
101
202
201
508
507
Safety circuit electricity
Door machine electricity
Lighting electricity
HL-UCMP-D1
24V
COM
FL1
FL2
SY
SX1
SX2
S01
S02
S03
S04
S05
S06
SGC2
SGC3
S02/S03
S04
Additional brake
Control signal output
S05
S17
S06
Speed limiter uplink overspeed action switch
T01
B01
C01
CO2
CN1
CN9
X01 On the bed
X02 Mun signal
X03 Under the bed
X04 Blackout emergency
X05 Thermal detection of main engine
X06 Run contactor feedback
X07 Brake contactor feedback
X08 Star seal contactor feedback
X09 Maintenance/normal
X10 Repair the upside
X11 Repair the downside
X12 The upside limit
X13 The lower limit position
X14 The strong in
X15 Under the strong in
X16 Strong in 1
X17 Under the strong in 1
X18 Switching switch 1
X19 Switching switch 2
X20 FengMen feedback
X21 fire fighting linkage
X22 Blackout emergency
X23 The standby
X24 The standby
AI-M Simulation of the public
AI+ Simulation is
DZP-X21
DZP-X22
PRG UP SET
NICE 3000
MCTC-MCB-C2
设计
校对
审核
共 35 页
第 10 页
主板输入接线图
NICE3000原理图

NICE 3000
MCTC-MCB-C2



The factory is special

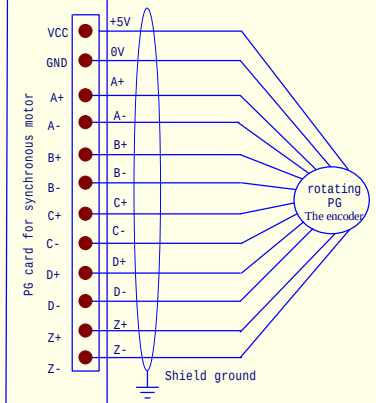
The main port	Function point parameter values
Y1 - run	F5-26: 1
Y2 - brake	F5-27: 2
Y3 - seal star	F5-28: 12
Y4- fire return to base	F5-29: 4
Y5 - FengMen output	F5-30: 3

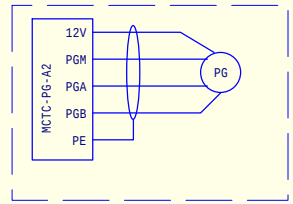


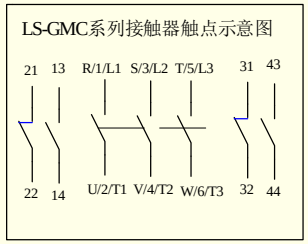
ENR 1387 socket pin arrangement diagram

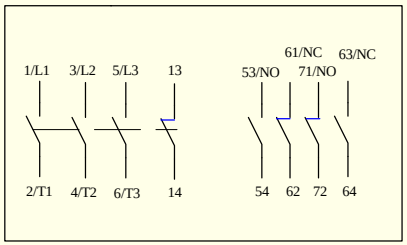
McTc-pg-e wiring instructions
The CN1 port of McTc-pg-e USES the d-type 15-pin (DB15) connector

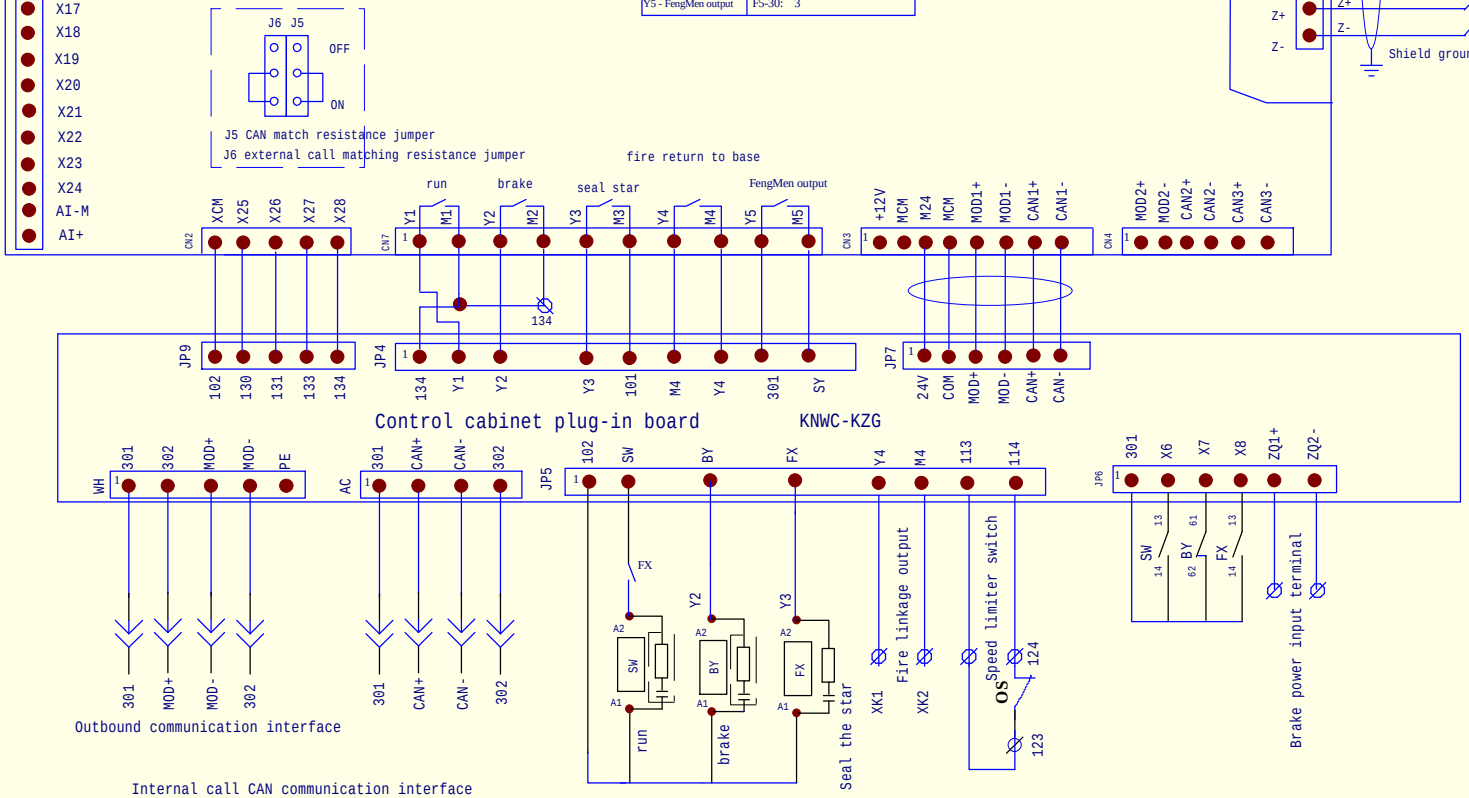
1: b-2: NC 3: Z+
4: Z- 5: A+ 6: A-
7: COM 8: B+ 9: VCC
10: C+ 11: C- 12: D+
13: d-14: NC 15: NC



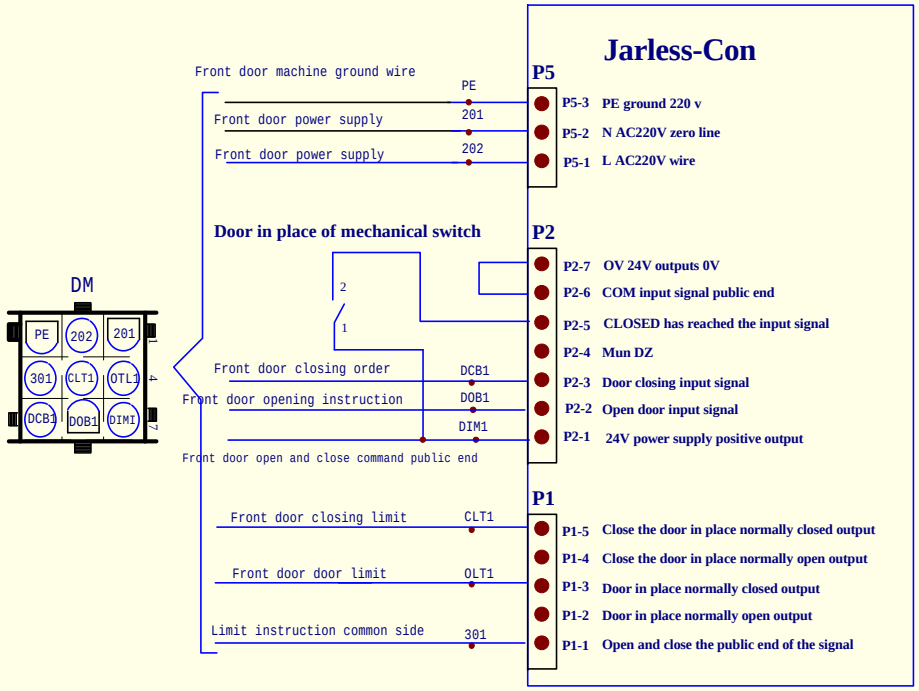


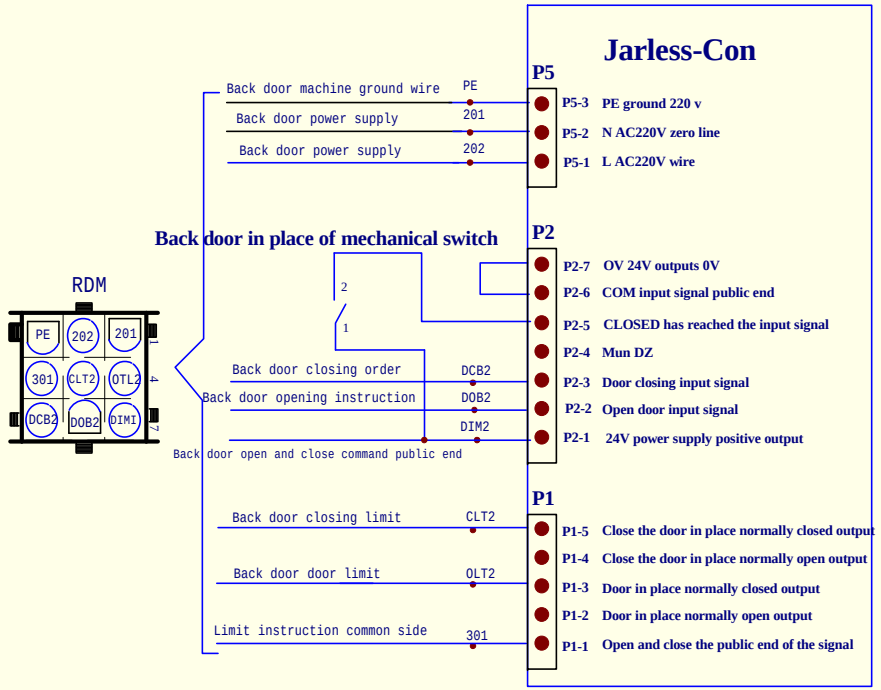


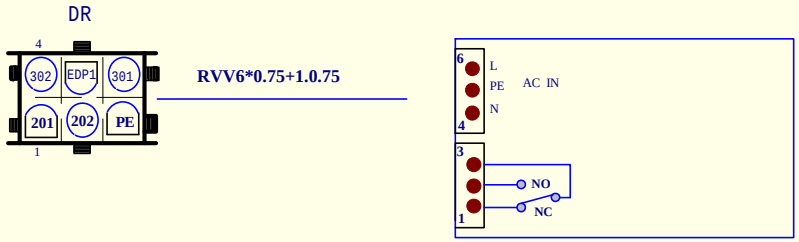




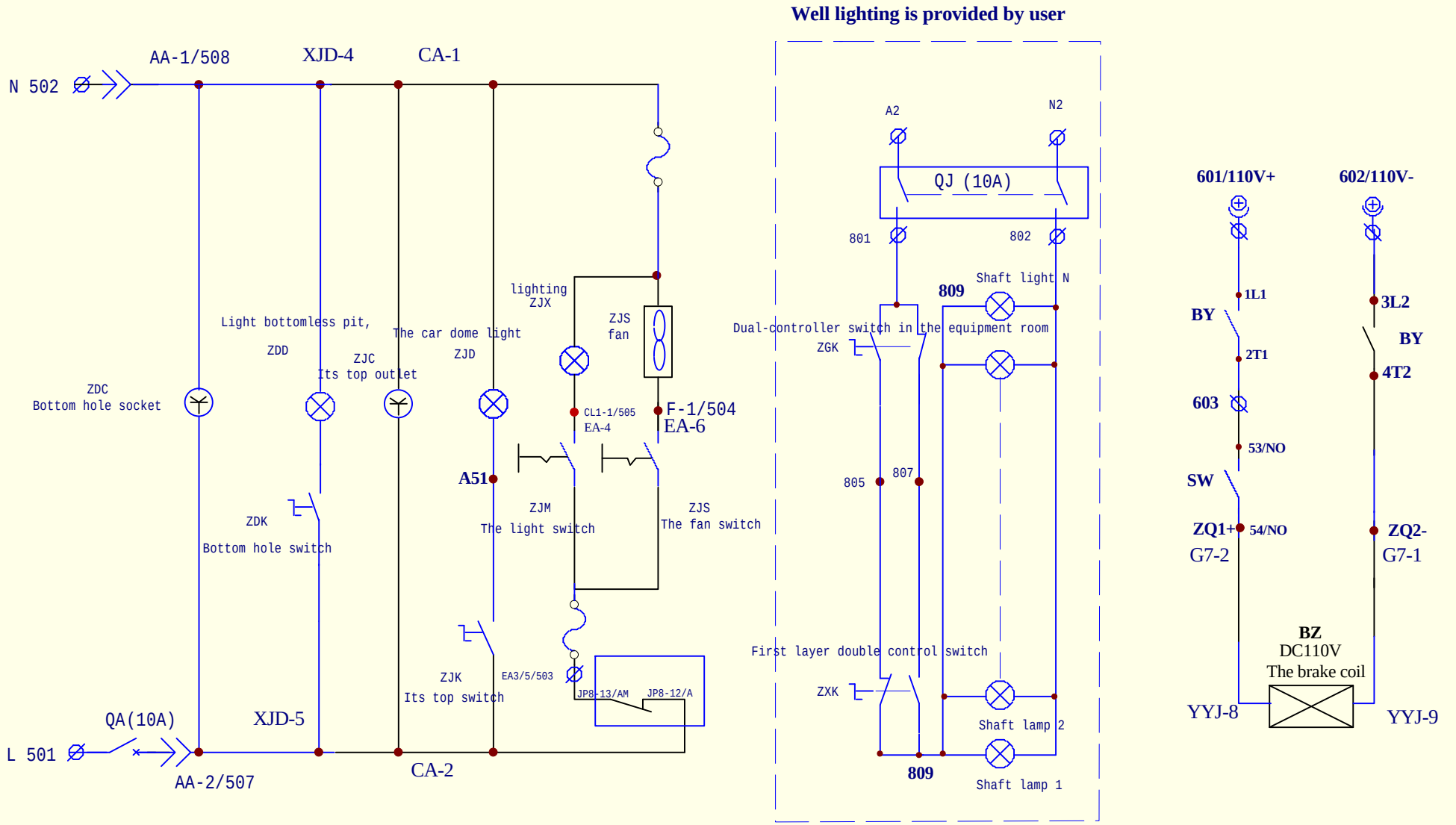
设计		共 35 页	主板输出接线图
校对		第 11 页	NICE3000原理图
审核			







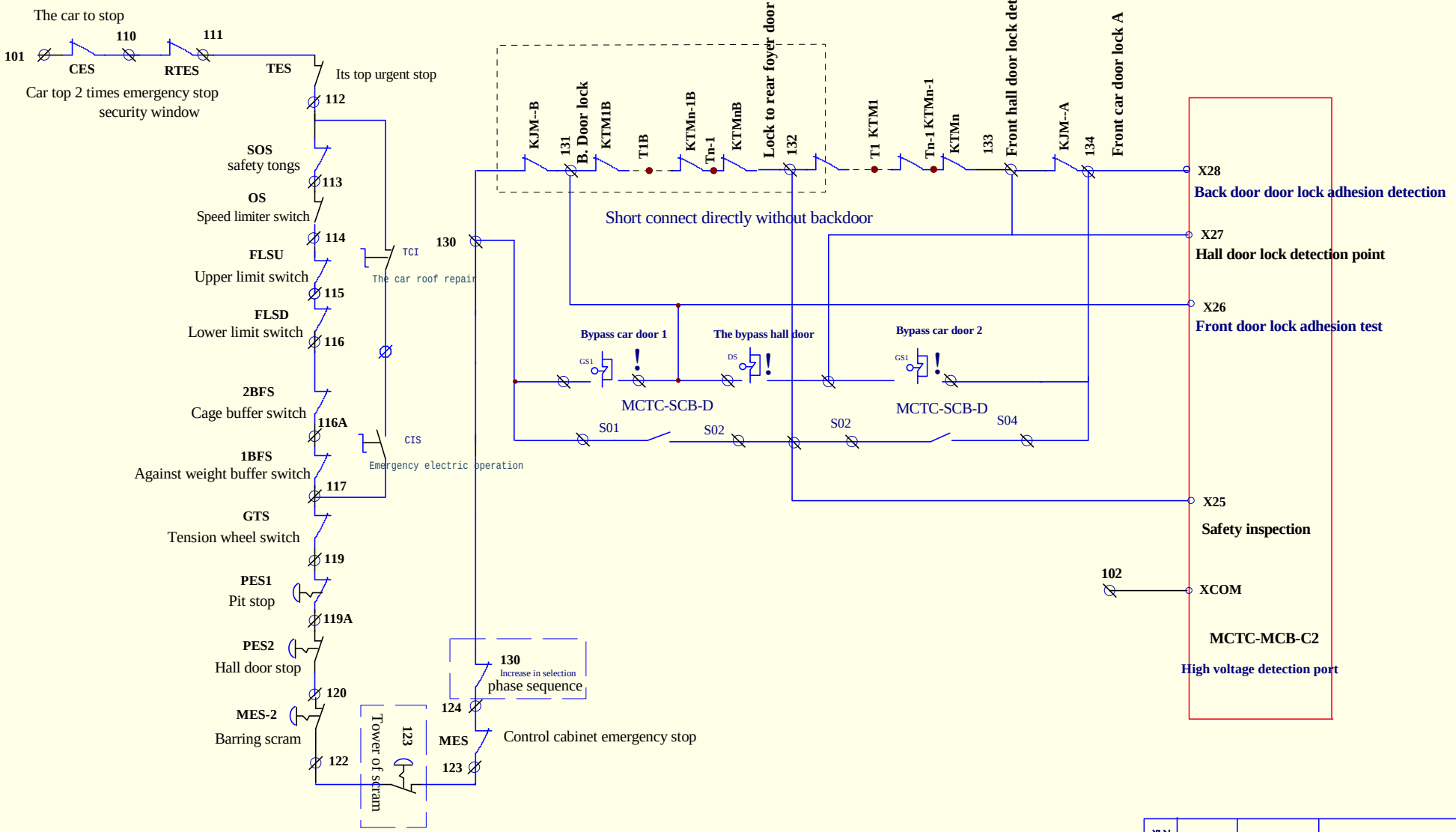
design		total of 45 pages	Circuit of the crane
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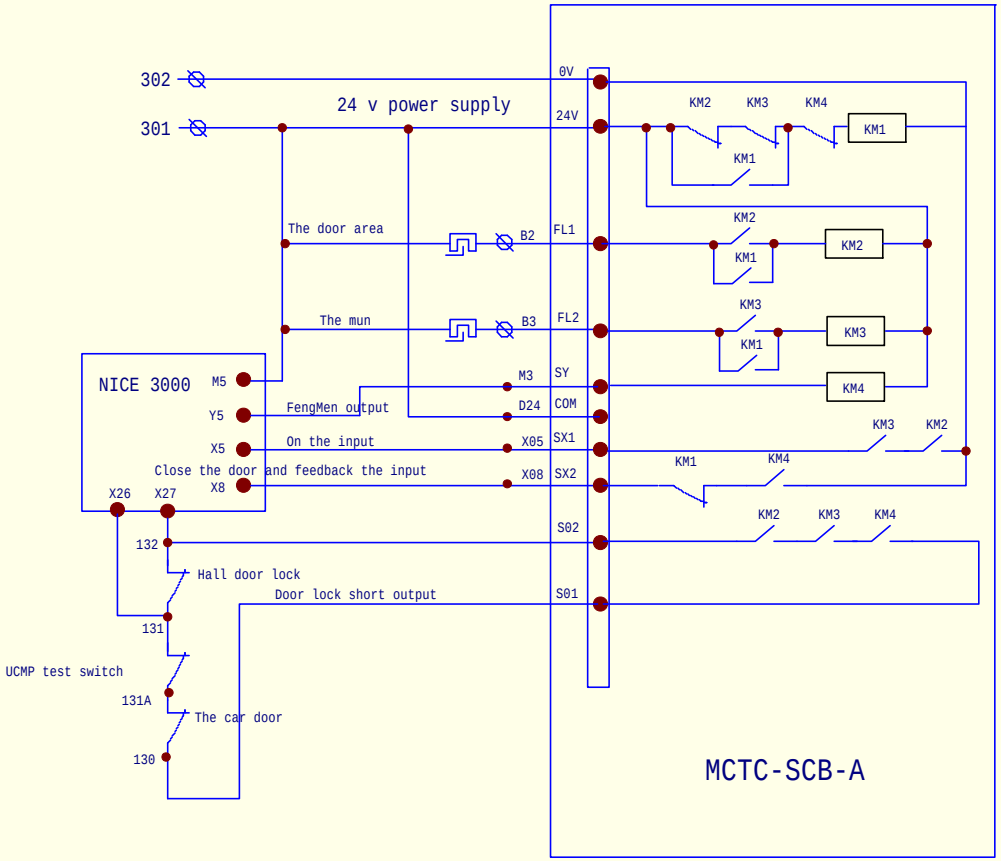
Note: 1. No machine room is equipped with machine room lighting and socket

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

design		total of 45 pages	Lighting and locking circuit
proofreading		Page 13	The principle diagram of the NICE3000
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设计		共 35 页	安全回路
校对			
审核		第 14 页	NICE3000原理图



UCMP test method indicates that BIT9 of f8-19 sets 1 to turn off UCMP function and turns on by default

Test conditions:

1) the maintenance switch is effective, the elevator stops in the door area, and the door lock is kept closed.

Test methods:

1) it must be in the condition that the maintenance switch is effective, the door lock is closed, and in the door area

2) keypad trigger: set f-8 and 7 on the keypad, E88 will be displayed, UCMP test function will be enabled, and the door lock loop will be disconnected.

Big keyboard trigger mode: f3-24 is set to 2. After the setting, disconnect the door lock loop

3) manually press and hold the uplink or downlink button for maintenance, the door closure contactor outputs, the door lock is short connected, and the elevator is normal at this time

Maintenance start up operation

4) after the elevator runs out of the door area, UCMP module will cancel the short connection of the door lock, and the elevator will report E65 (UCMP fault), elevator stops running.

Other design instructions:

1) no maintenance or door area or door lock is invalid, setting f-8 to set 7 and f3-24 to set 2 is invalid.

2) after setting f-8 to 7 or f3-24 to 2, it will clear automatically after one run and clear automatically after power failure

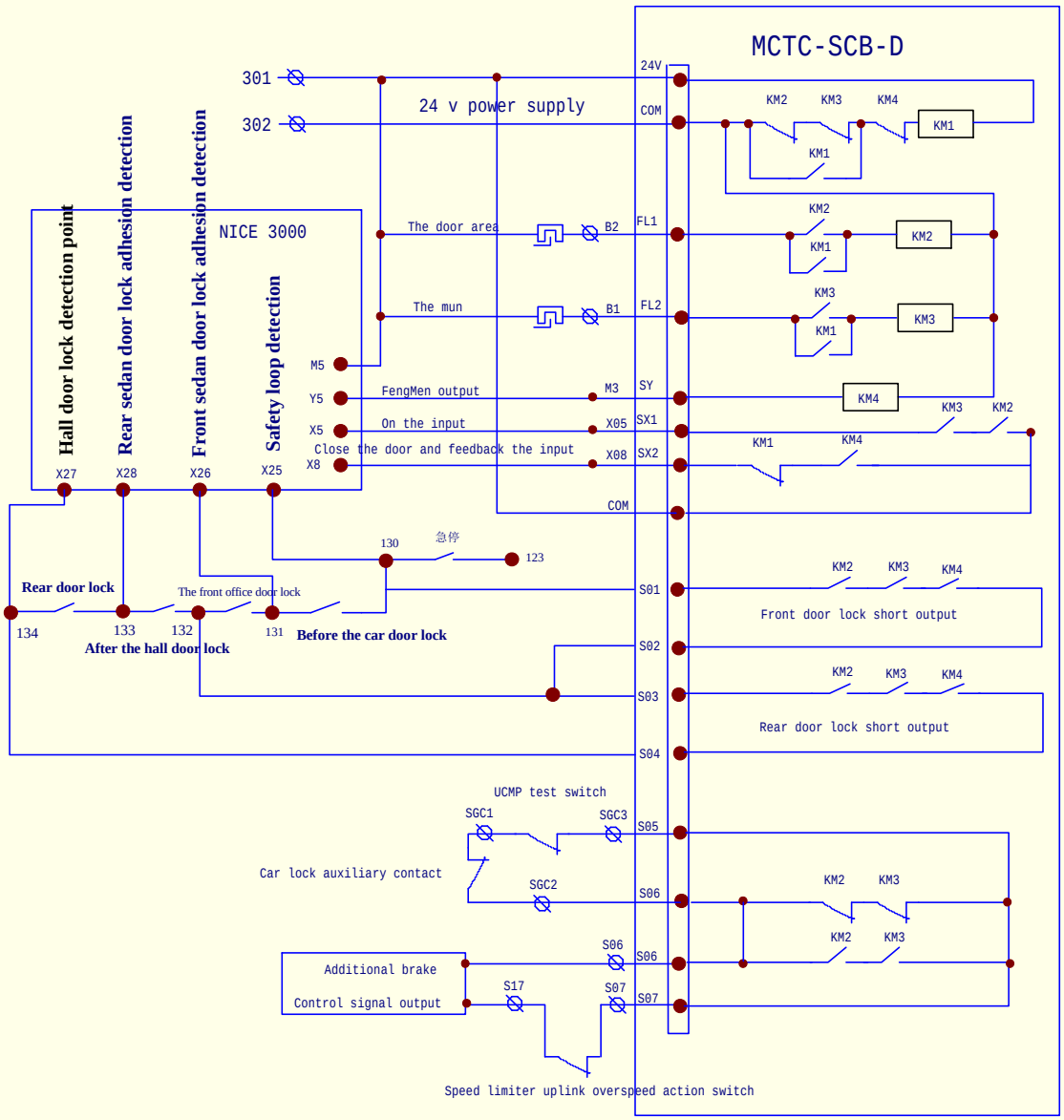
Zero.

3) in UCMP test mode, start the acceleration curve according to the acceleration f3-08, and start the acceleration period of 1.0s.

The acceleration end period is set at 1.0s to ensure the average startup speed is greater than 0.5m/s

Note: synchronous accidental movement use

设计		共 35 页	同步电机UCMP回路
校对		第 15 页	NICE3000原理图
审核			



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Zero.

3) in UCMP test mode, start the acceleration curve according to the acceleration f3-08, and start the acceleration period of 1.0s.

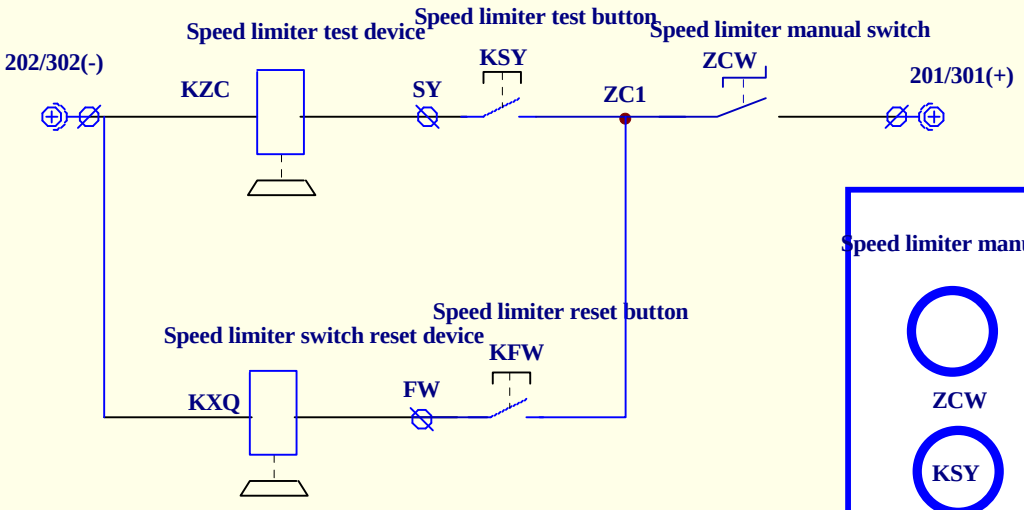
The acceleration end period is set at 1.0s to ensure the average startup speed is greater than 0.5m/s

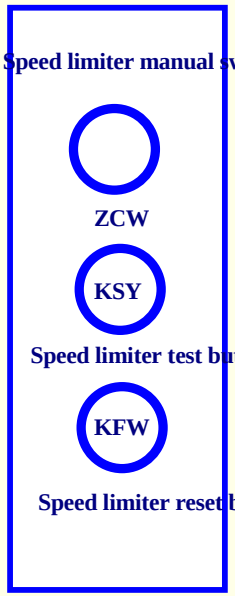
Note: double door machine and asynchronous accidental mobile use

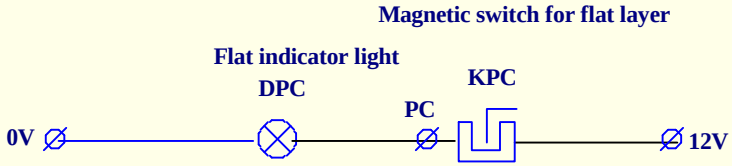
Synchronizer UCMP asynchronous loop diagram

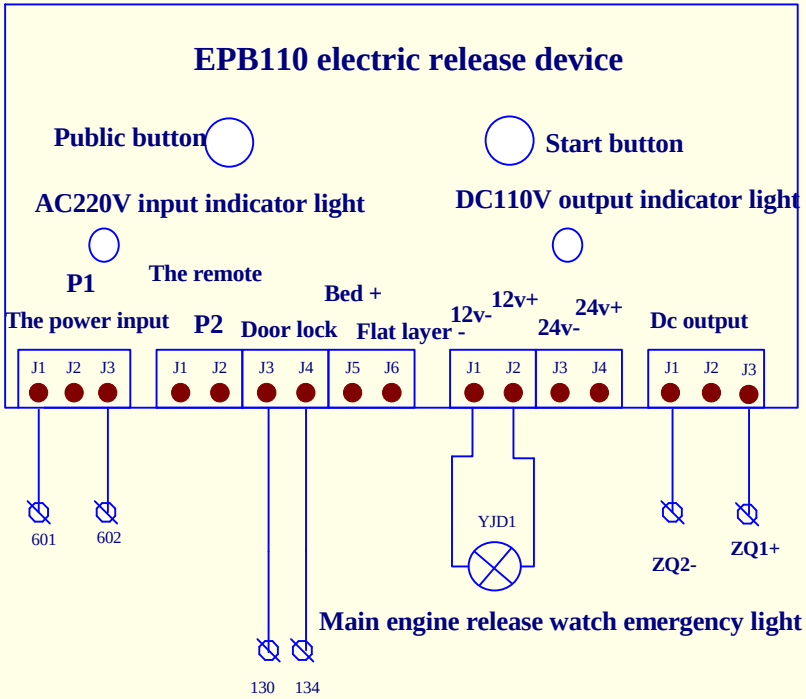
design		total of 45 pages	
proofreading		Page 16	The principle diagram of the NICE3000
audit			

Note: 201.202 is the elevator internal AC220V power supply 301.302 is the internal DC24V power supply





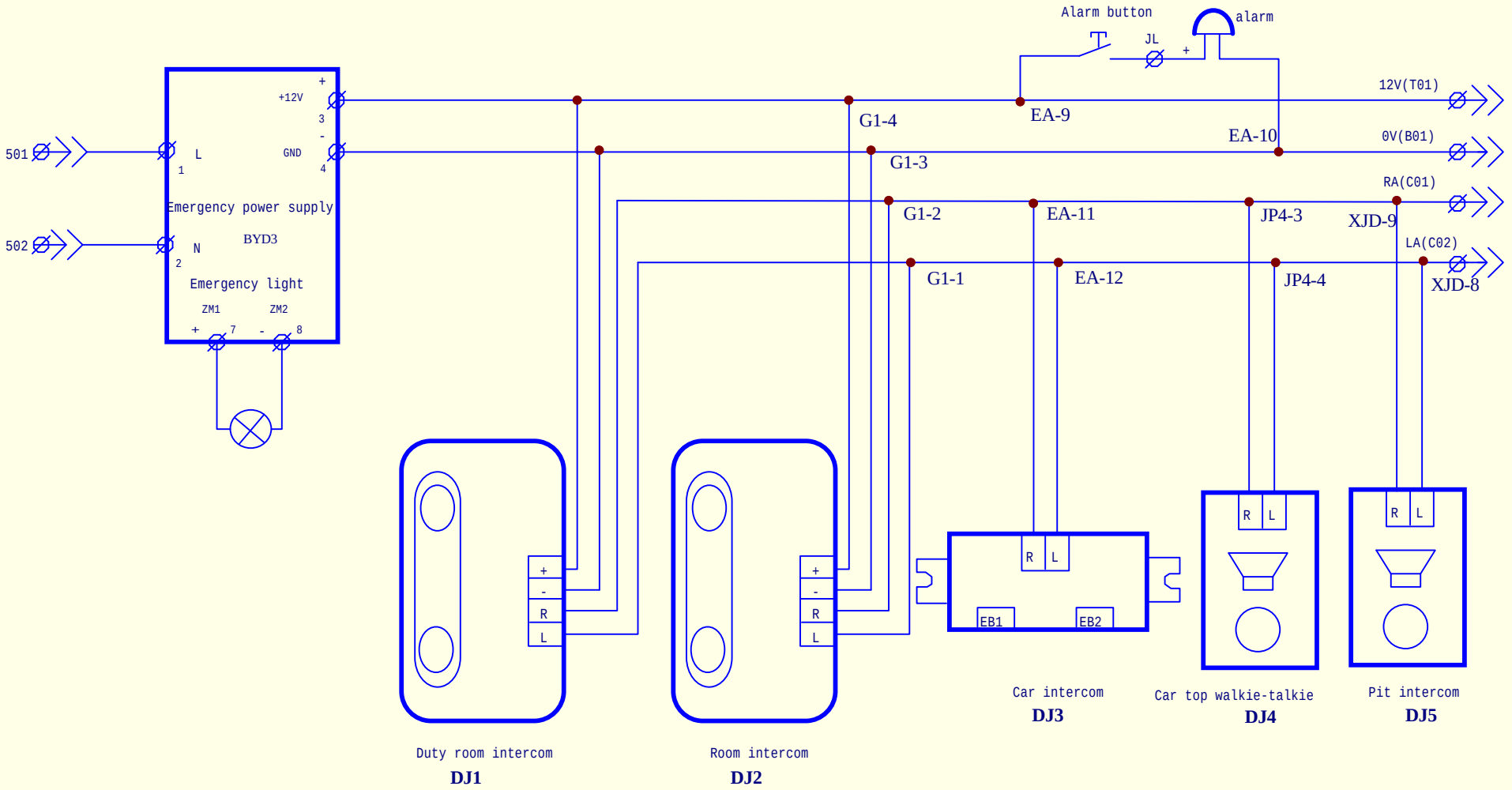




Special button operation box

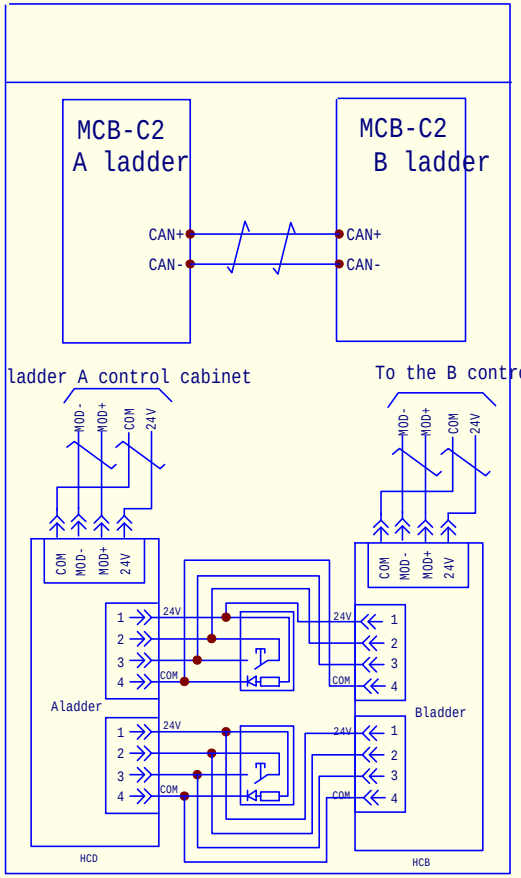
Speed limiter and electric release brake

design		total of 45 pages	
proofreading			
audit		Page 17	The principle diagram of the NICE3000

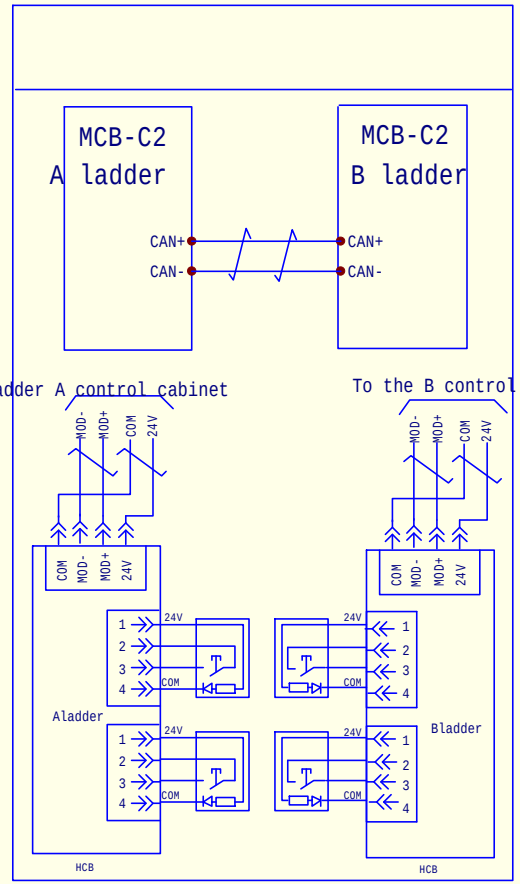


design		total of 45 pages	Interphone system
proofreading		Page 18	The principle diagram of the NICE3000
audit			

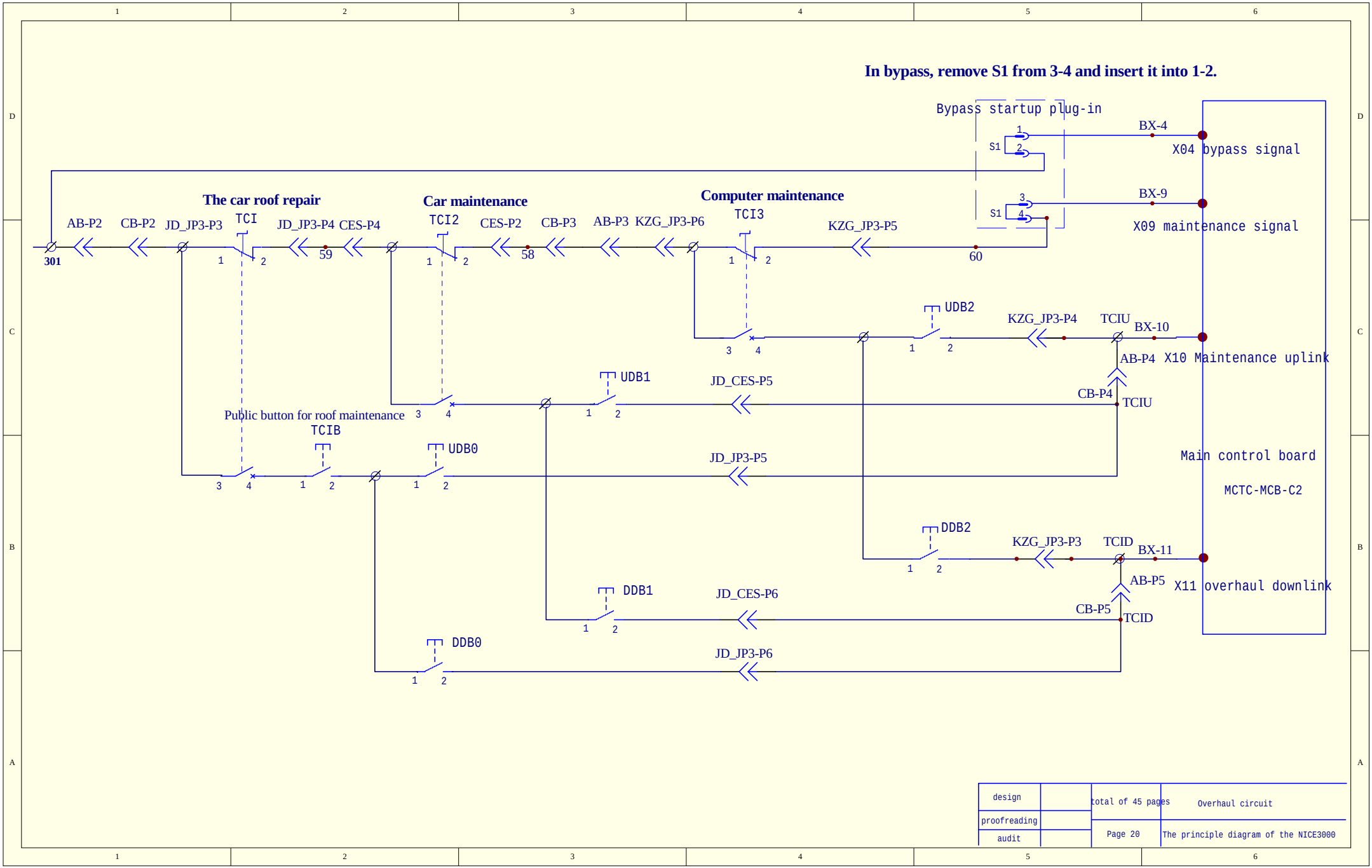
Suitable for parallel operation of ladder A and ladder B on the same side

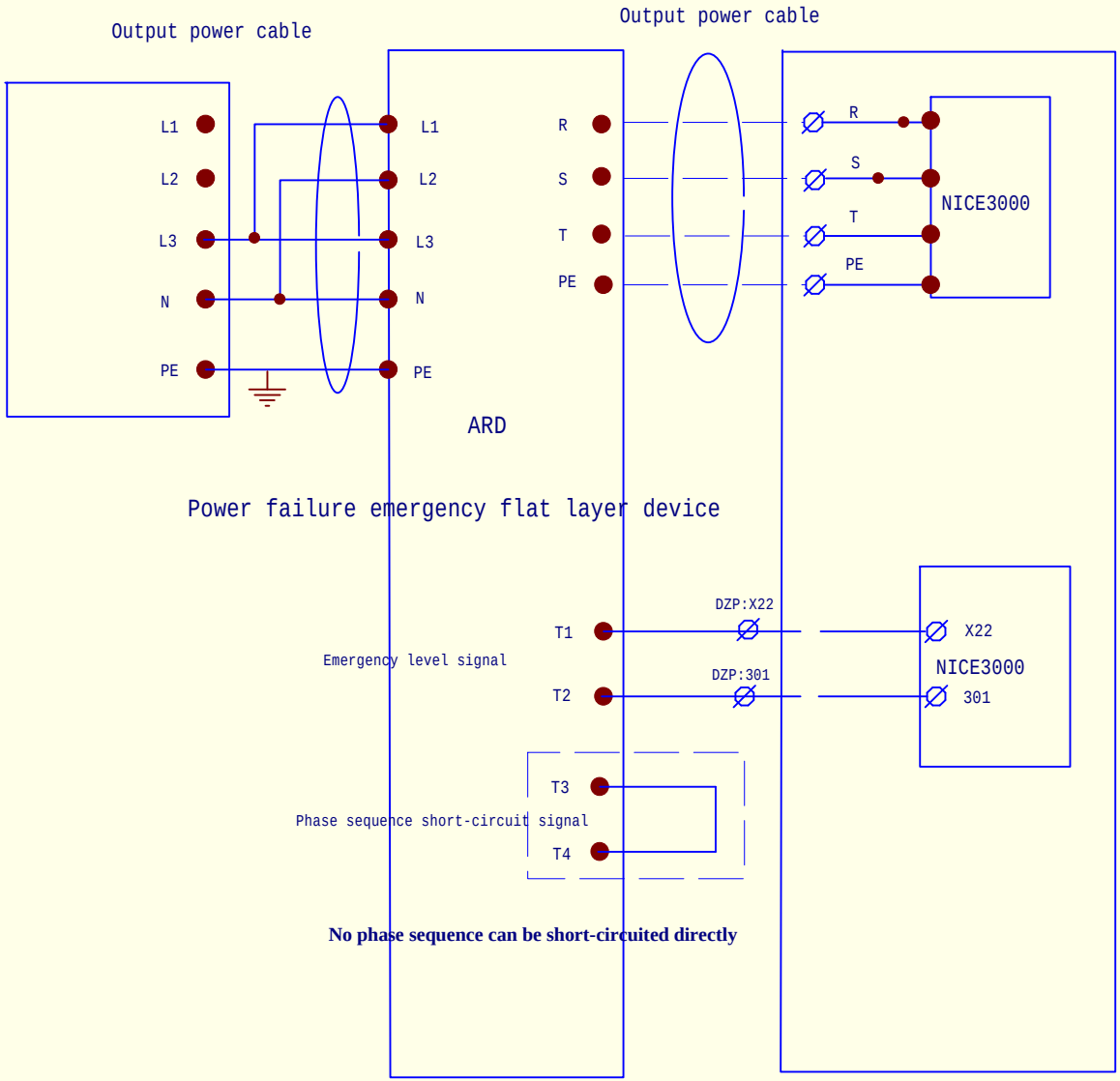


Suitable for parallel operation of ladder A and ladder B on different sides



design		total of 45 pages	Parallel circuits
proofreading		Page 19	The principle diagram of the NICE3000
audit			

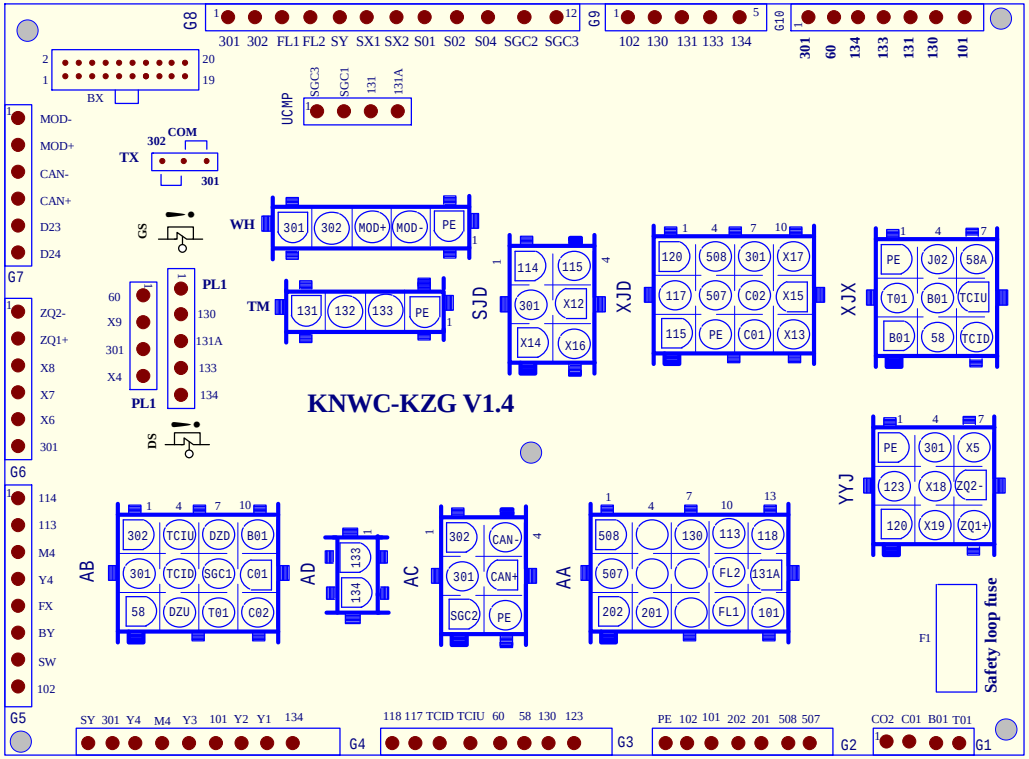

In bypass, remove S1 from 3-4 and insert it into 1-2.
Bypass startup plug-in
S1
BX-4
X04 bypass signal
BX-9
X09 maintenance signal
The car roof repair
Car maintenance
Computer maintenance
AB-P2
CB-P2
JD_JP3-P3
TCI
JD_JP3-P4
CES-P4
TCI2
CES-P2
CB-P3
AB-P3
KZG_JP3-P6
TCI3
KZG_JP3-P5
301
59
58
60
UDB2
KZG_JP3-P4
TCIU
BX-10
AB-P4
X10 Maintenance uplink
CB-P4
UDB1
JD_CES-P5
Public button for roof maintenance
TCIB
UDB0
JD_JP3-P5
Main control board
MCTC-MCB-C2
DDB2
KZG_JP3-P3
TCID
BX-11
AB-P5
X11 overhaul downlink
DDB1
JD_CES-P6
CB-P5
DDB0
JD_JP3-P6
design
proofreading
audit
total of 45 pages
Overhaul circuit
Page 20
The principle diagram of the NICE3000



设计		共 35 页	ARD回路接线图
校对			
审核		第 21 页	NICE3000原理图

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



KNWC-KZG V1.4

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

Cable number Drawing number Its top plug-in

Control cabinet 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	

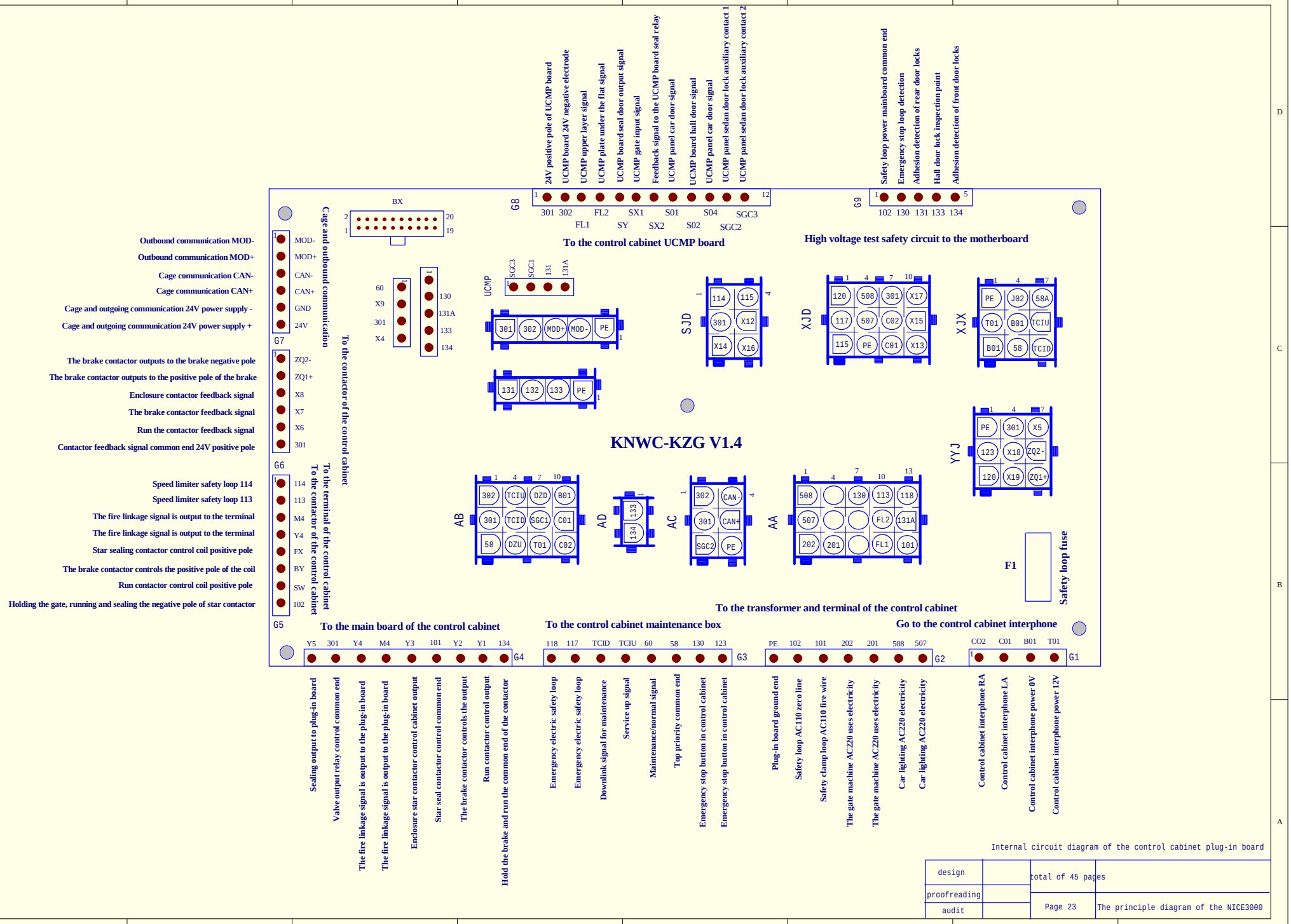
XJX Pit maintenance operation signal line

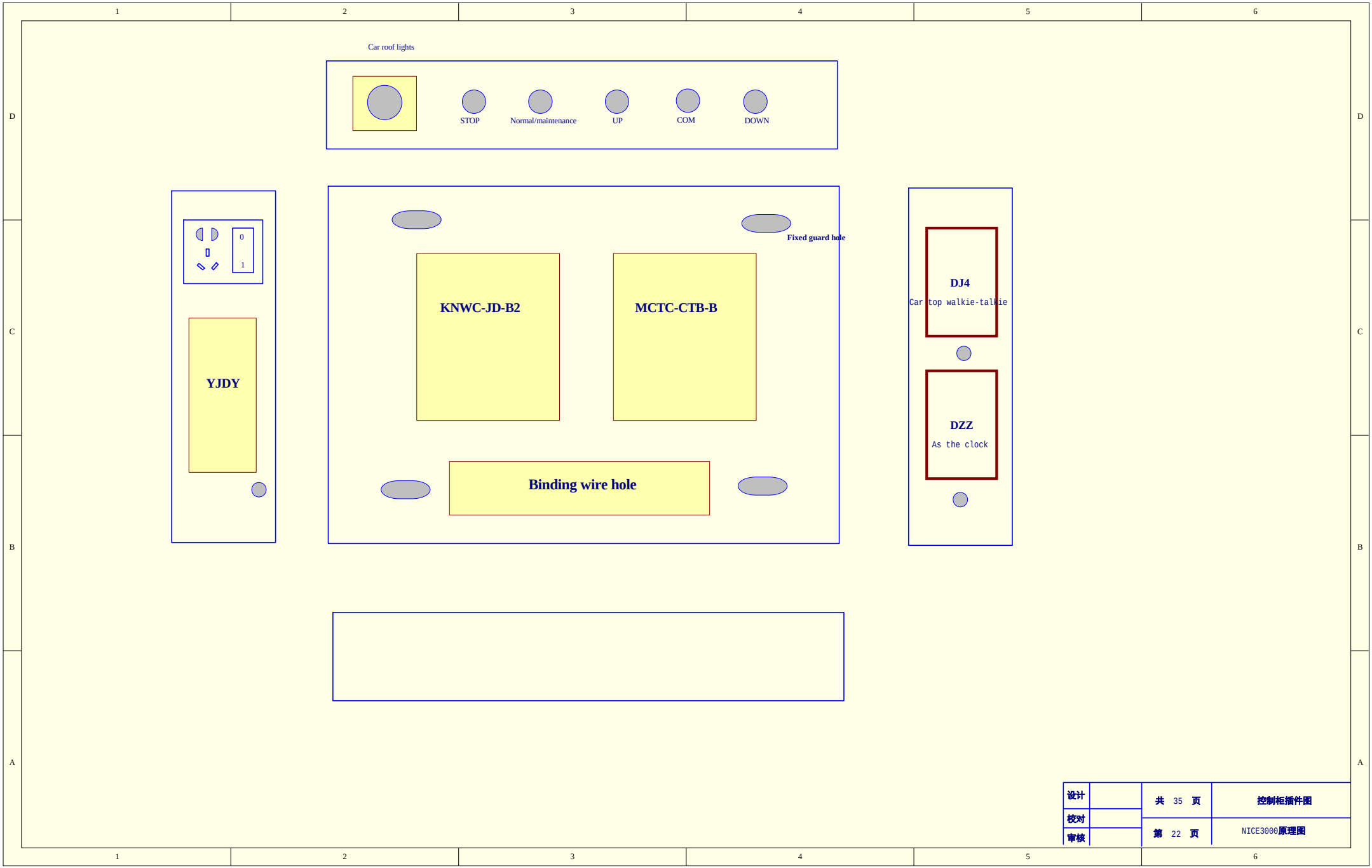
Cable number

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

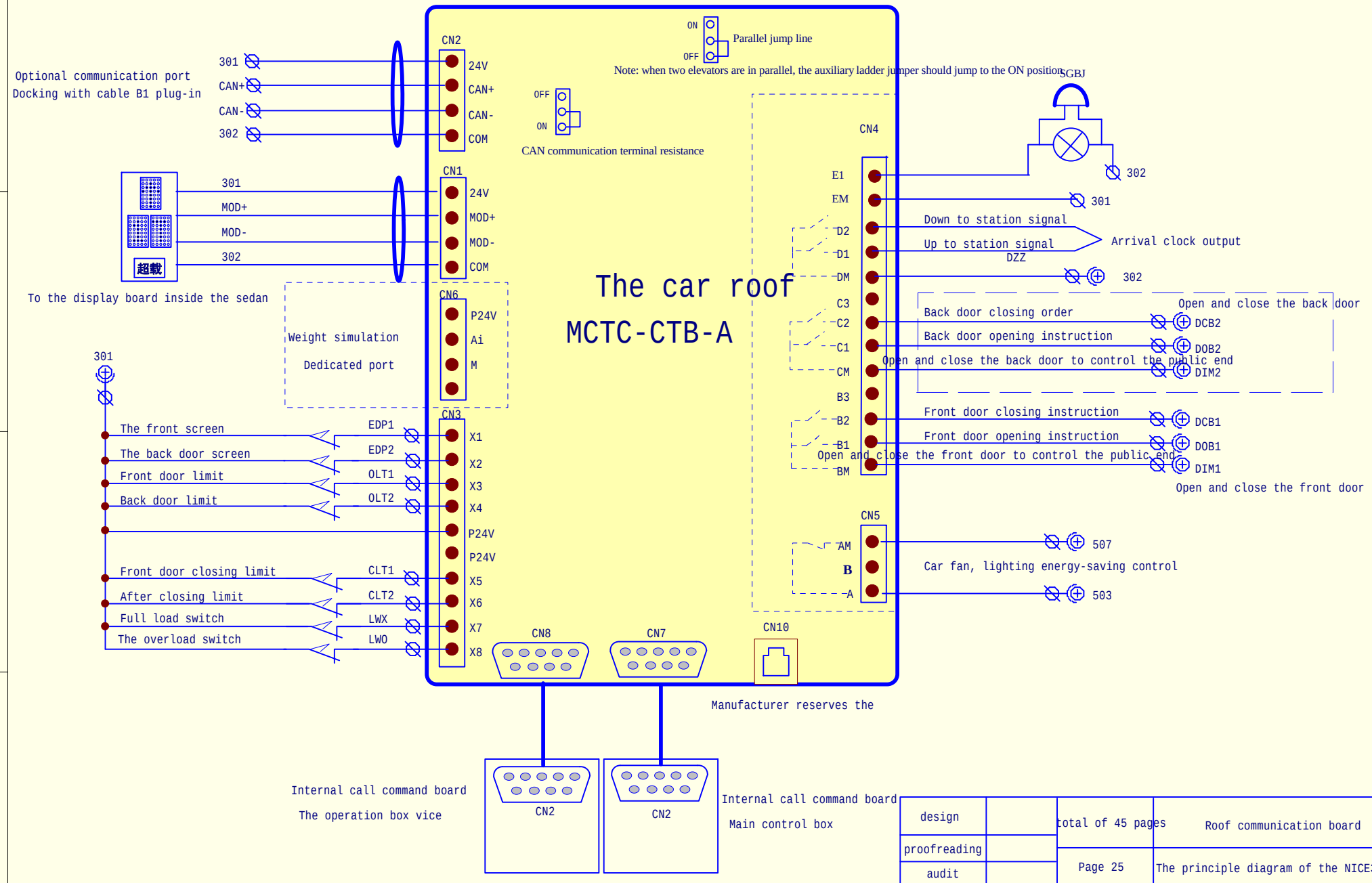
External circuit diagram of the control cabinet plug-in board

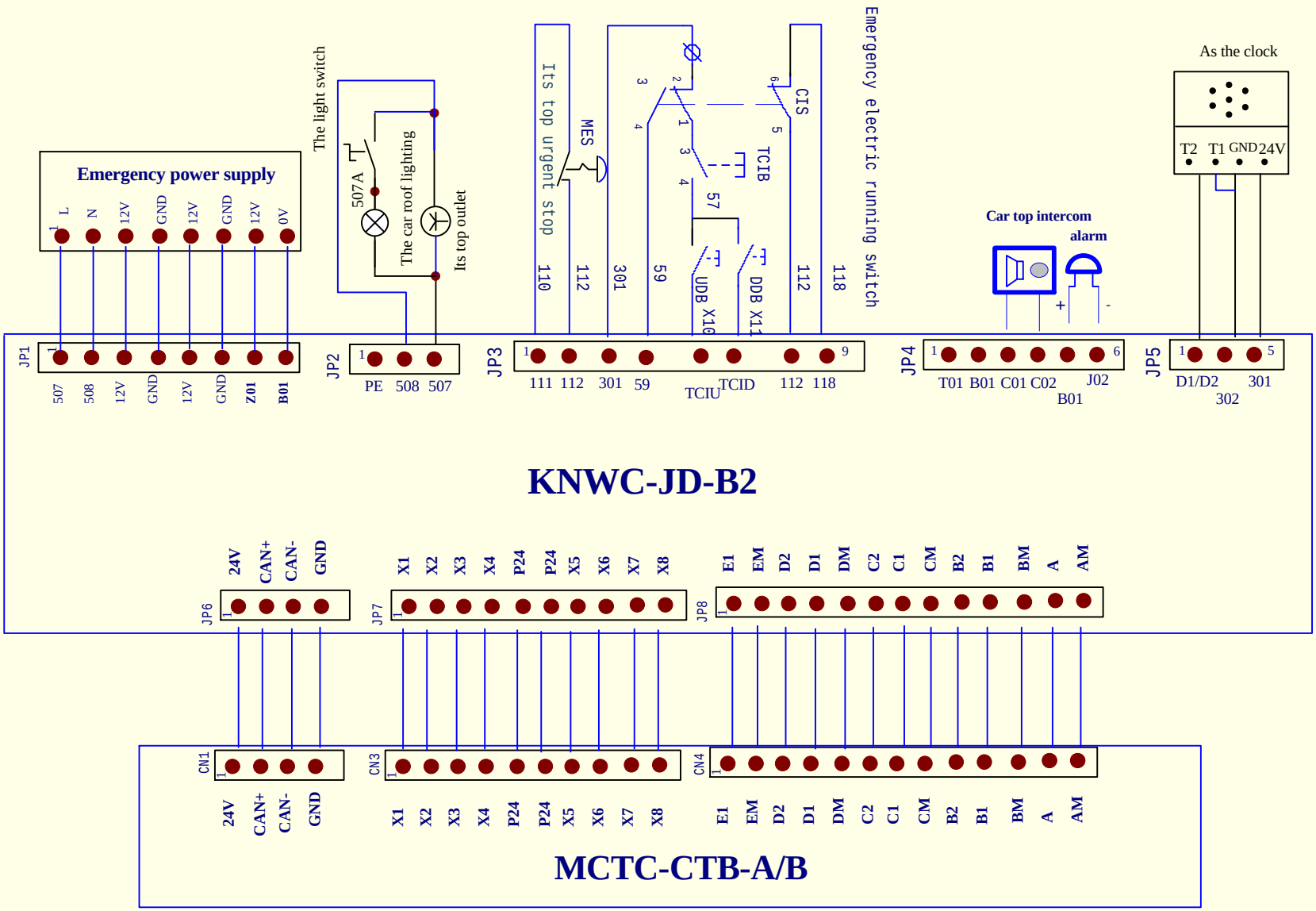
design		total of 45 pages	
proofreading		Page 22	The principle diagram of the NICE3000
audit			


KNWC-KZG V1.4
To the control cabinet UCMP board
High voltage test safety circuit to the motherboard
To the transformer and terminal of the control cabinet
To the main board of the control cabinet
To the control cabinet maintenance box
Go to the control cabinet interphone
Safety loop fuse
F1
Cage and outbound communication
To the contactor of the control cabinet
To the terminal of the control cabinet
To the contactor of the control cabinet
Outbound communication MOD-
Outbound communication MOD+
Cage communication CAN-
Cage communication CAN+
Cage and outgoing communication 24V power supply -
Cage and outgoing communication 24V power supply +
The brake contactor outputs to the brake negative pole
The brake contactor outputs to the positive pole of the brake
Enclosure contactor feedback signal
The brake contactor feedback signal
Run the contactor feedback signal
Contactor feedback signal common end 24V positive pole
Speed limiter safety loop 114
Speed limiter safety loop 113
The fire linkage signal is output to the terminal
The fire linkage signal is output to the terminal
Star sealing contactor control coil positive pole
The brake contactor controls the positive pole of the coil
Run contactor control coil positive pole
Holding the gate, running and sealing the negative pole of star contactor
24V positive pole of UCMP board
UCMP board 24V negative electrode
UCMP upper layer signal
UCMP plate under the flat signal
UCMP board seal door output signal
UCMP gate input signal
Feedback signal to the UCMP board seal relay
UCMP panel car door signal
UCMP board hall door signal
UCMP panel car door signal
UCMP panel sedan door lock auxiliary contact 1
UCMP panel sedan door lock auxiliary contact 2
Safety loop power mainboard common end
Emergency stop loop detection
Adhesion detection of rear door locks
Hall door lock inspection point
Adhesion detection of front door locks
Sealing output to plug-in board
Valve output relay control common end
The fire linkage signal is output to the plug-in board
The fire linkage signal is output to the plug-in board
Enclosure star contactor control cabinet output
Star seal contactor control common end
The brake contactor controls the output
Run contactor control output
Hold the brake and run the common end of the contactor
Emergency electric safety loop
Emergency electric safety loop
Downlink signal for maintenance
Service up signal
Maintenance/normal signal
Top priority common end
Emergency stop button in control cabinet
Emergency stop button in control cabinet
Plug-in board ground end
Safety loop AC110 zero line
Safety clamp loop AC110 fire wire
The gate machine AC220 uses electricity
The gate machine AC220 uses electricity
Car lighting AC220 electricity
Car lighting AC220 electricity
Control cabinet interphone RA
Control cabinet interphone LA
Control cabinet interphone power 0V
Control cabinet interphone power 12V
Internal circuit diagram of the control cabinet plug-in board
design
proofreading
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Page 23
The principle diagram of the NICE3000

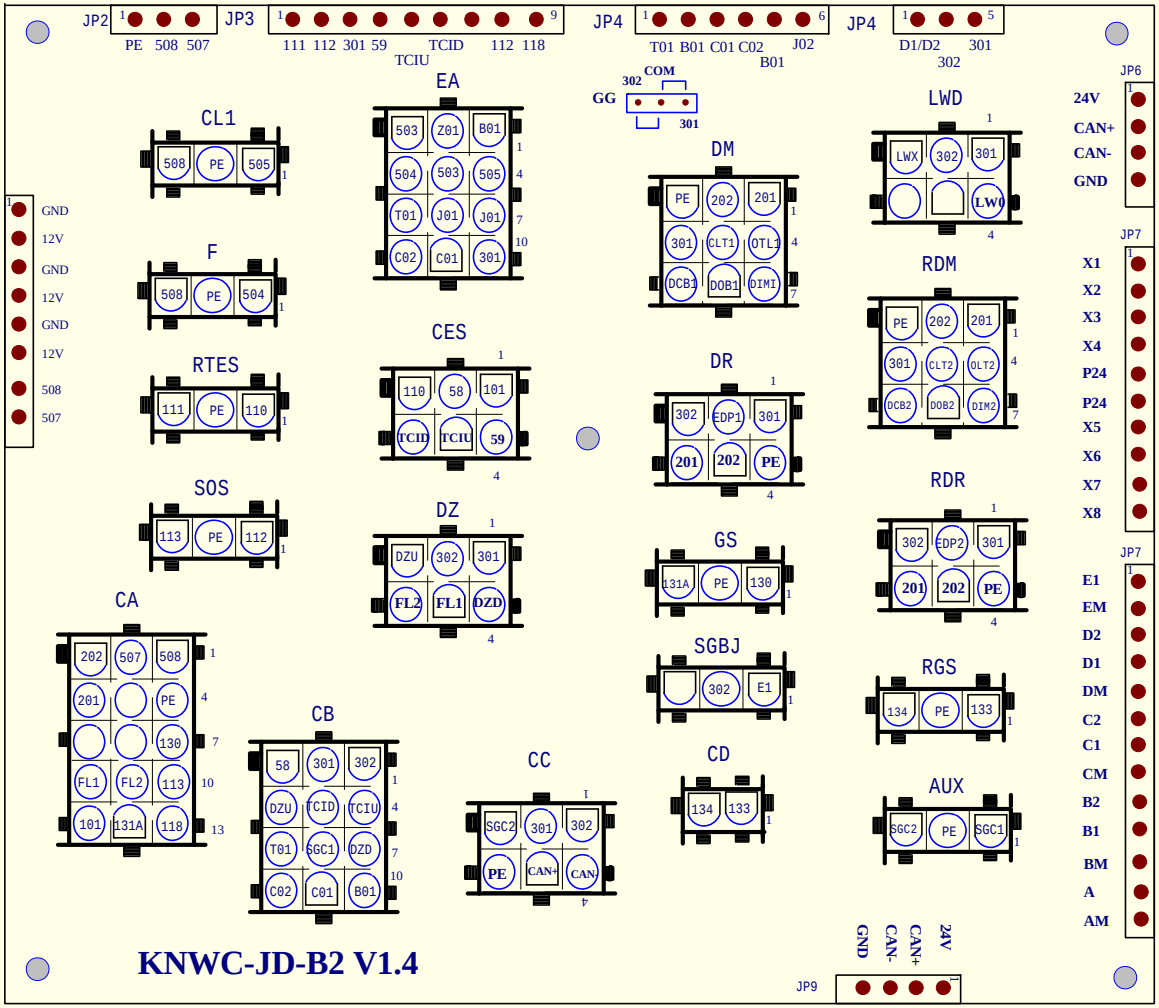


设计		共 35 页	控制柜插件图
校对		第 22 页	NICE3000原理图
审核			


Optional communication port
Docking with cable B1 plug-in
301
CAN+
CAN-
302
CN2
24V
CAN+
CAN-
COM
ON
OFF
Parallel jump line
Note: when two elevators are in parallel, the auxiliary ladder jumper should jump to the ON position
OFF
ON
CAN communication terminal resistance
SGBJ
302
CN4
E1
EM
D2
D1
DM
C3
C2
C1
CM
B3
B2
B1
BM
301
Down to station signal
Up to station signal
DZZ
Arrival clock output
302
Open and close the back door
Back door closing order
DCB2
Back door opening instruction
DOB2
Open and close the back door to control the public end
DIM2
Front door closing instruction
DCB1
Front door opening instruction
DOB1
Open and close the front door to control the public end
DIM1
Open and close the front door
CN5
AM
B
A
507
Car fan, lighting energy-saving control
503
301
MOD+
MOD-
302
超载
To the display board inside the sedan
CN1
24V
MOD+
MOD-
COM
CN6
P24V
Ai
M
Weight simulation
Dedicated port
The car roof
MCTC-CTB-A
301
The front screen
The back door screen
Front door limit
Back door limit
Front door closing limit
After closing limit
Full load switch
The overload switch
EDP1
EDP2
OLT1
OLT2
CLT1
CLT2
LWX
LWO
CN3
X1
X2
X3
X4
P24V
P24V
X5
X6
X7
X8
CN8
CN7
CN10
Manufacturer reserves the
Internal call command board
The operation box vice
CN2
CN2
Internal call command board
Main control box
design
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Page 25
Roof communication board
The principle diagram of the NICE3000



design		Wiring diagram of car roof plug-in board	
proofreading		total of 45 pages	
audit		Page 26	The principle diagram of the NICE3000



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	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	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	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	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	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	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	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	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
RDR	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	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	F-P01	1	504	Fan L
	F-P02	PE	PE	ground
	F-P03	2	508	Fan N

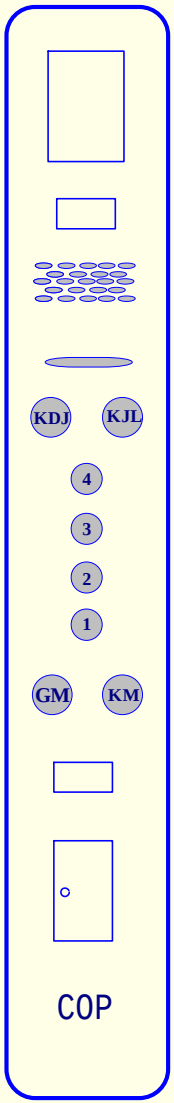
RTES Safety pin/safety window switch wire

drawing number
Cable number

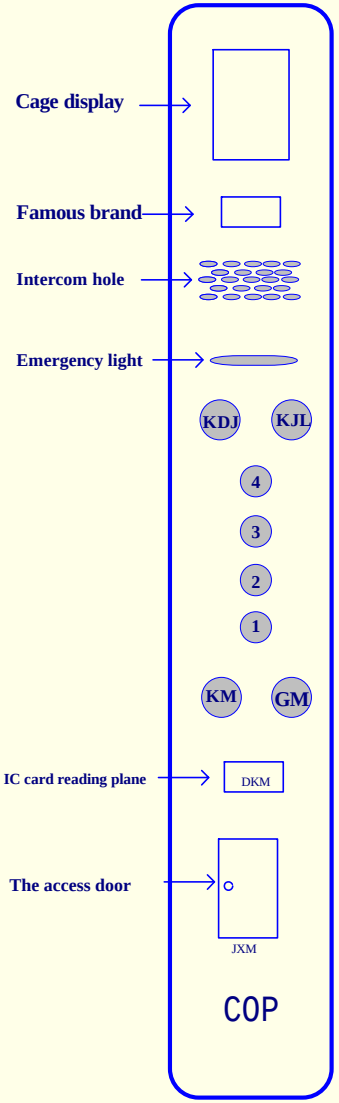
Access box plug-in				Functional description
RTES	RTES-P01	1	110	safety pin
	RTES-P02	PE	PE	ground
	RTES-P03	2	111	safety pin

design		total of 45 pages	Plug-in board on the roof of car
proofreading		Page 27	The principle diagram of the NICE3000
audit			

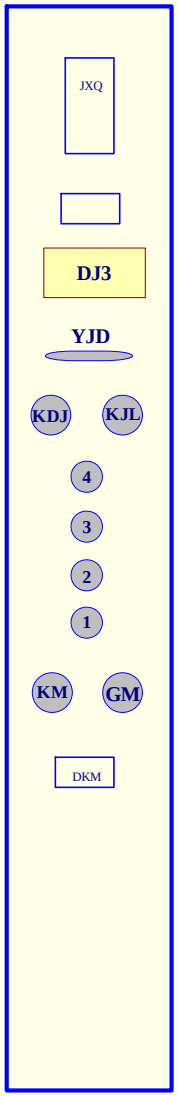
Split type sub-control panel



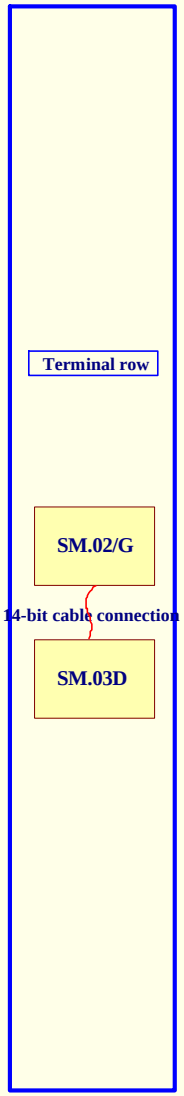
Split type main control panel



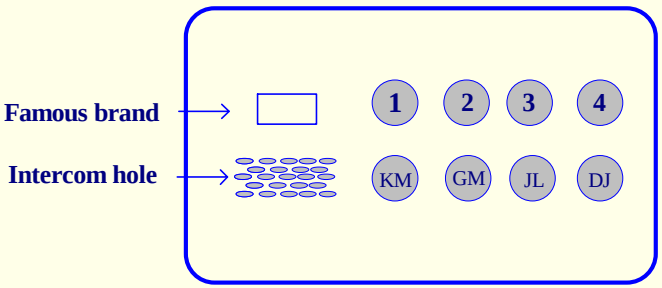
Wipe the layout of components on the vertical plate

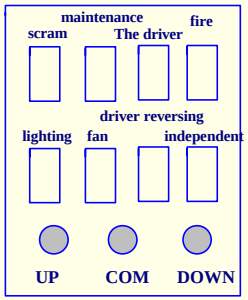


Control tray bottom box component layout



Handicapped control panel

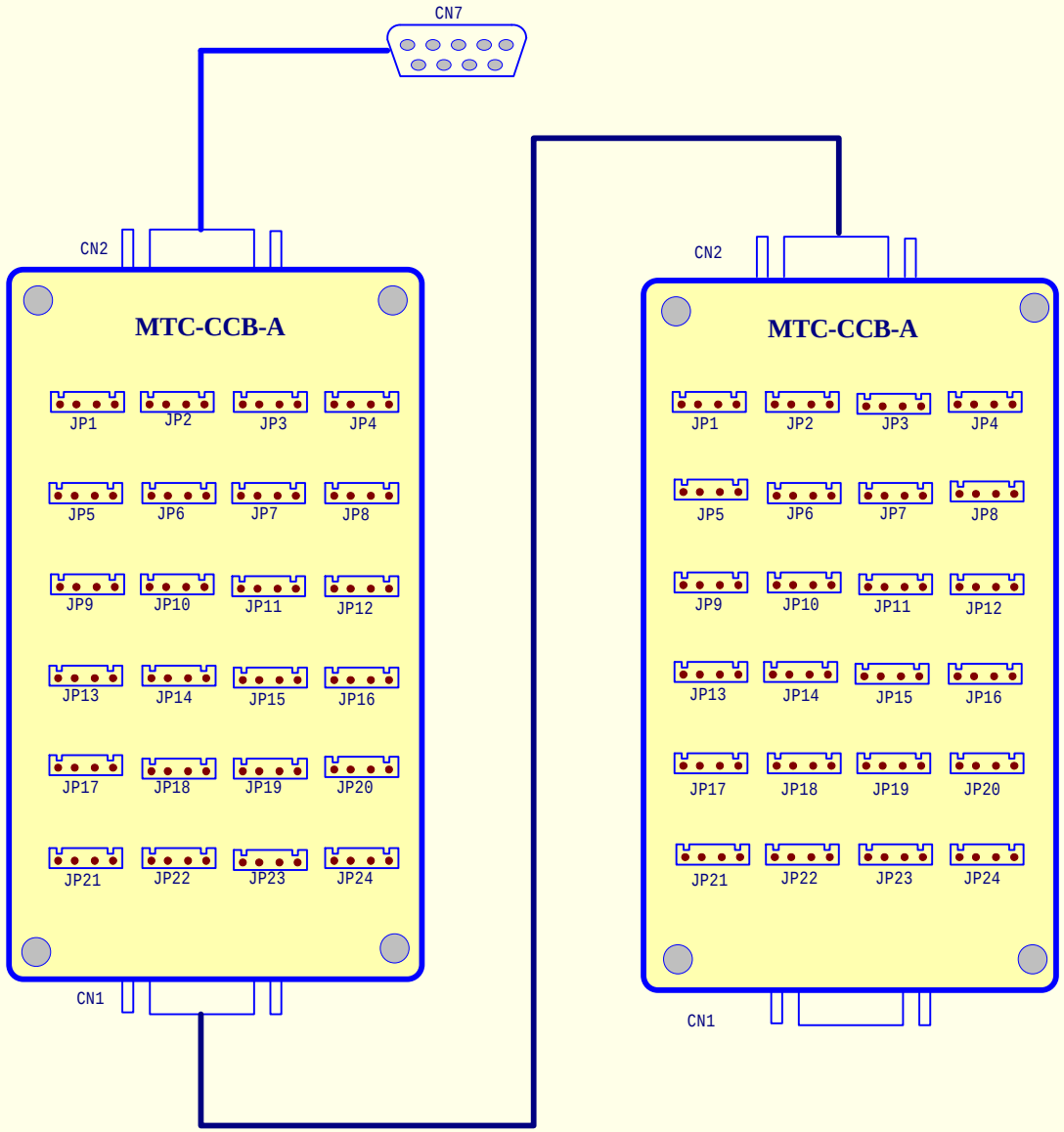




Passenger elevator access door switch layout, no access door, fan and lighting lock

design		total of 45 pages	Control panel layout
proofreading		Page 28	The principle diagram of the NICE300
audit			

To the corresponding port of the communication board on the top of the car



Serial number (n)

Corresponding interface

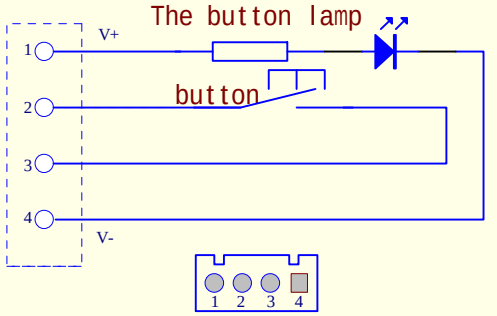
		define
1—16	JP1—JP16	Select button 1 —16
17	JP17	Open button
18	JP18	close button
19	JP19	Door delay button
20	JP20	direct
21	JP21	The driver
22	JP22	reversing
23	JP23	independent
24	JP24	fire

16, the second inner selection plate is selected.

For palette 2, JPn input

(Signal corresponds to (16+n) layer button input.

Socket wiring location diagram



Socket terminals are arranged

design		total of 45 pages	Internal command board
proofreading		Page 29	The principle diagram of the NICE3000
audit			

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

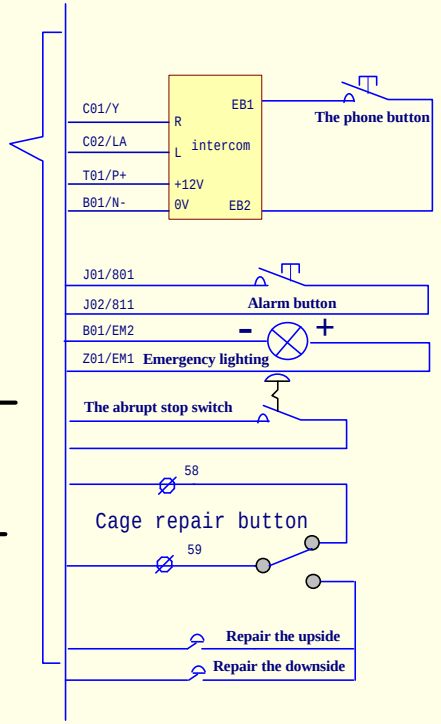
Corresponding to the drawing label

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	

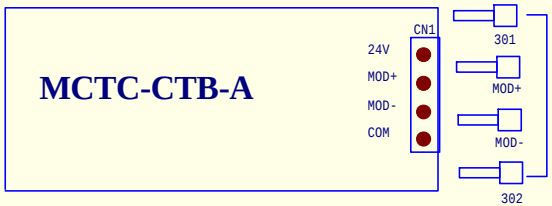
CES	CES-P01	black1	101	The car to stop	CES-P01	DES
	CES-P02	black2	58	The car maintenance	CES-P02	
	CES-P03	black3	110	The car to stop	CES-P03	
	CES-P04	black4	59	The car maintenance	CES-P04	
	CES-P05	black5	TCIU	Repair the upside	CES-P05	
	CES-P06	black6	TCID	Repair the downside	CES-P06	

EA — RV12*0.75mm²+1*1.5mm²PE — 长度3米

CES — RV6*0.75mm²+1*1.5mm²PE — 长度3米

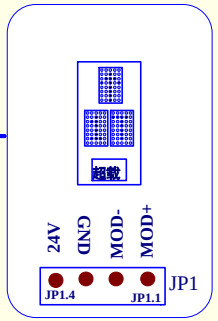


Straight barrel pin: E7508



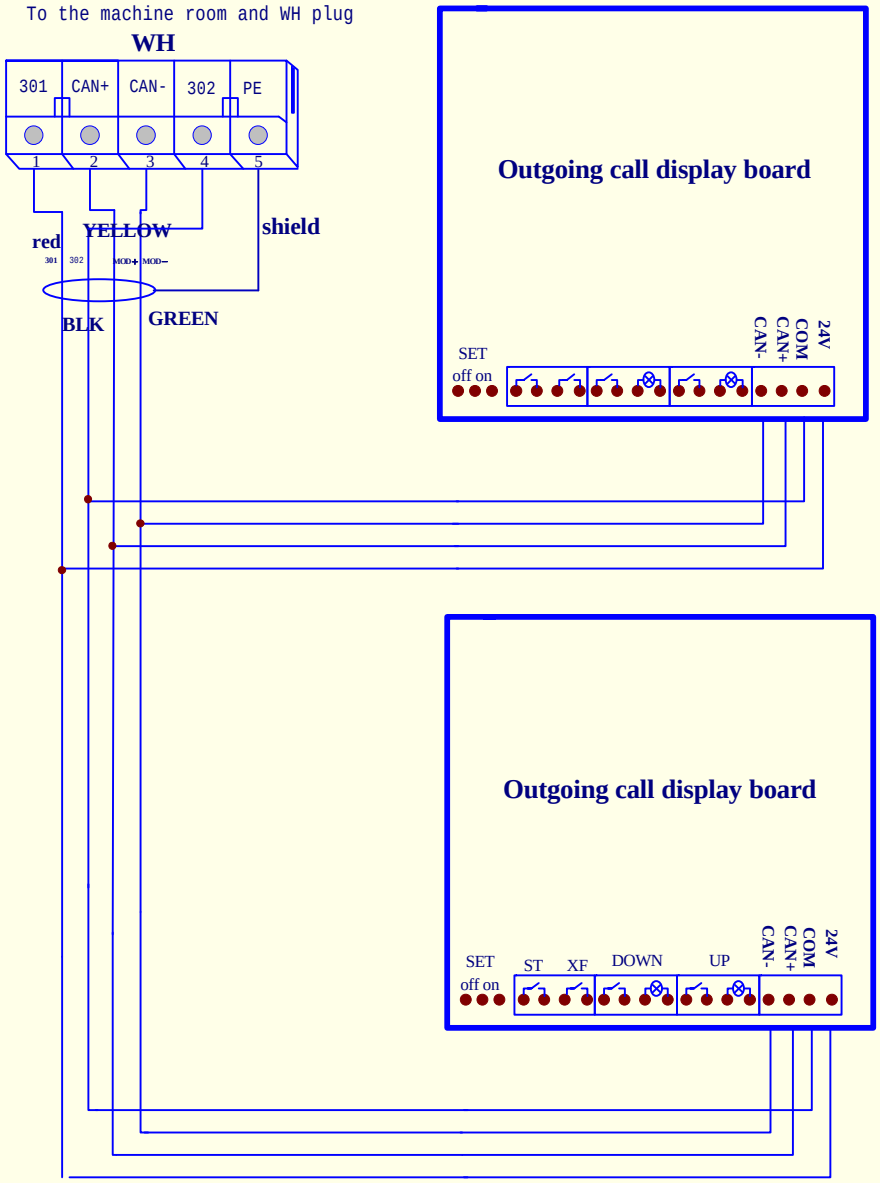
(RVVP4*0.75mm) shielded cable

4 meters



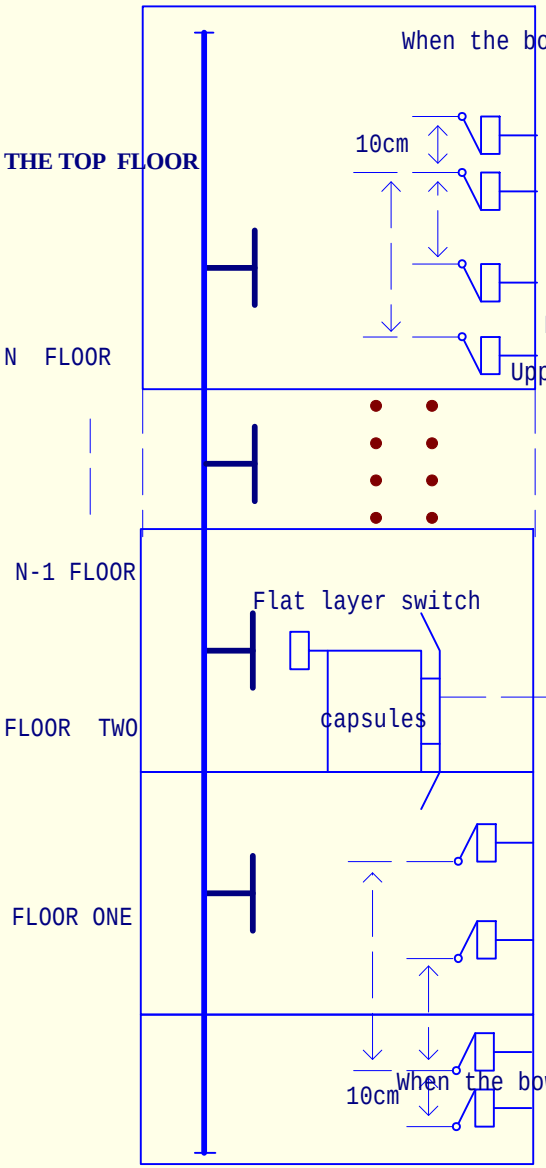
Note: PCB plug-in for female plug-in male pin.
Cable EA and CES plugins are public plugins
Female insert pin, insert pin model: 350536-1

design		total of 45 pages	Wiring Diagram of Control Panel
proofreading		Page 30	The principle diagram of the NICE3000
audit			

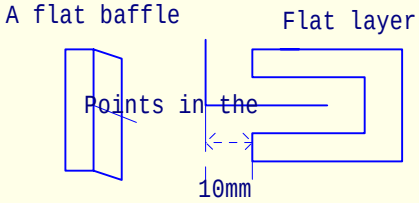


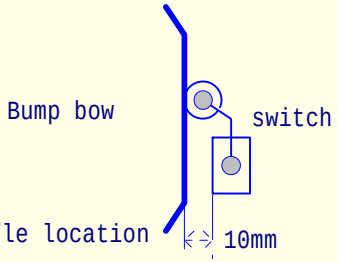
Use the jumper switch to set the address as follows:
Short jumper switch (SET) In the ON state, the display area displays the floor address currently stored, and the floor address setting state is entered.
Each time you press the call button, the current floor address increases by one.
The floor address will change to 0, thus the loop.
After the setting is complete, switch the short hop to off, and the current floor address value will be automatically stored and exit the setting state.

design		total of 45 pages	Outbound communications
proofreading		Page 31	The principle diagram of the NICE3000
audit			



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

When the bow hits the lower limit switch, the cage floor sill is 5cm lower than the floor sill of the exit door

Installation drawing of well information switch

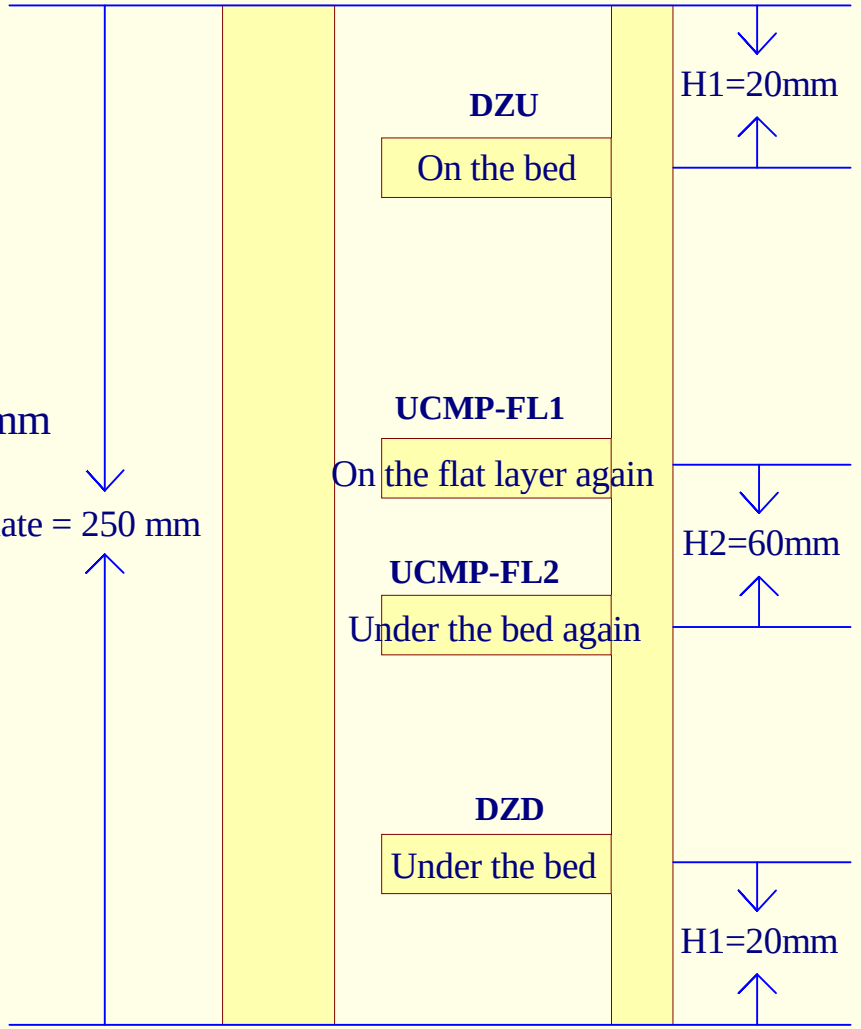
design		total of 45 pages	
proofreading		Page 32	The principle diagram of the NICE3000
audit			

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 250mm



design		total of 45 pages	Flat sensor map-UCMP
proofreading		Page 33	The principle diagram of the NICE3000
audit			