

Name: Villa Elevator Controller NICE3000-A1 Type Interface Board Schematic Diagram

名称: 别墅电梯控制柜NICE3000-A1型接口板原理图

Model: 型号: KZG-XY-A1

No.: 编码: 20210706

Version: 版本: V1.0

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Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
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21				0
22				0
23				0
24				0
25				0
26				0
27				0
28				0
29				0
30				0
31				0
32				0
33				0
34				
35				

NICE-3000New主要标准参数表 NICE-3000New Main Standard Parameter Table

Function Code 功能代号	Parameter Name 参数名称	Set Value 设定值	Function Code 功能代号	Parameter Name 参数名称	Set Value 设定值	Function Code 功能代号	Parameter Name 参数名称	Set Value 设定值
F0-00	Control method 控制方式	1	F5-11	X11 function selection X11 功能选择	10(Maintenance electric down normally open) 10 (检修电动下行常开)	F6-40	Program control option 1 程序控制选项1	Bit1 is set to 1 (software limit function) Bit1设为1 (软件限位功能)
F0-01	Command source selection 命令源选择	1	F5-12	X12 function selection X12功能选择	(The machine room is overlaid and normally closed, and the car overload is set to 0 - optional) (机房满载常闭, 轿厢满载检测和选配)	F6-52	Special inspection function 特殊检修功能	Bit4 is set to 1 (overhaul operation protection) Bit4设为1 (大修运行保护)
F0-03	Running speed 运行速度	By actual 按实际	F5-13	X13 function selection X13功能选择	(The machine room is always open with full load, and the car full load is set to 0 - optional) (机房满载常开, 轿厢满载检测和选配)	F8-01	Pre-torque selection 预转矩选择	2
F0-04	Rated speed 额定速度	By actual 按实际	F5-14	X14 function selection X14功能选择	48 (Up one-level force decelerate NC) 48 (上行一级强减常闭)	F8-10	ARD selection ARD选择	1 (UPS power supply operation - optional) 1 (UPS供电源运行-选配)
F0-05	Rated capacity 额定载重	By actual 按实际	F5-15	X15 function selection X15功能选择	49 (Down one-level force decelerate NC) 49 (下行一级强减常闭)	F8-00	Number of door operators 门机数量	1 (single door), 2 (through door) 1 (单开门), 2 (贯通门)
F1-00	Encoder type selection 编码器类型选择	0 for synchronous machines and 2 for asynchronous machines 同步机为0, 异步机为2	F5-16	X16 function selection X16功能选择	50 (Up two-level force decelerate NC) 50 (上行二级强减常闭)	F8-02	Door operator 1 service floor 1 门机1服务层1	According to the actual setting on site (binary setting) 按现场实际设定 (二进制设定)
F1-01	Rated power 额定功率	By motor 按主机	F5-17	X17 function selection X17功能选择	51 (Down two-level force decelerate NC) 51 (下行二级强减常闭)	F8-03	Door operator 1 service floor 2 门机1服务层2	
F1-02	Rated voltage 额定电压	By motor 按主机	F5-18	X18 function selection X18功能选择	58 (Brake feedback 1 is NC) 58 (抱闸反馈1常闭)	F8-18	Door operator 1 service floor 3 门机1服务层3	
F1-03	Rated current 额定电流	By motor 按主机	F5-19	X19 function selection X19功能选择	0	F8-04	Door operator 2 service floor 1 门机2服务层1	Bit0=1, bit1=2, bit2=4, bit3=8, bit4=16, bit5=32, bit6=64, bit7=128, bit8=256, bit9=512, bit10=1024, bit11=2048, bit12=4096, bit13=8192, bit14=16384, bit15=32768 F8-05/F8-06/F8-35 are set in the same way Bit0=1, bit1=2, bit2=4, bit3=8, bit4=16, bit5=32, bit6=64, bit7=128, bit8=256, bit9=512, bit10=1024, bit11=2048, bit12=4096, bit13=8192, bit14=16384, bit15=32768 F8-05/F8-06/F8-35 设定方式相同
F1-04	Rated frequency 额定频率	By motor 按主机	F5-20	X20 function selection X20功能选择	99 (The thermal protection switch of the traction machine is NC-optional) 99 (曳引机热保护开关常闭-选配)	F8-05	Door operator 2 service floor 2 门机2服务层2	
F1-05	Rated rotating speed 额定转速	By motor 按主机	F5-21	X21 function selection X21功能选择	0	F8-19	Door operator 2 service floor 3 门机2服务层3	
F1-11	Tuning selection 调谐选择	1. Tuning with load, 2. Tuning without load, 3. Self-learning 1. 带载调谐, 2. 无载调谐, 3. 开道自学习	F5-22	X22 function selection X22功能选择	110 (Brake feedback 2 is NC) 110 (抱闸反馈2常闭)	FC-04	Through door selection 贯通门选择	0. Simultaneous control of through doors, 1: Hall call independent, internal call consistent, 2: Hall call independent, internal call manual control, 3: Both internal and external calls are independently controlled. 0. 贯通门同时控制, 1: 外召独立, 内召一致, 2: 外召独立, 内召手动控制, 3: 内、外召独立控制
F1-12	Number of encoder pulses 编码器脉冲数	Synchronous 2048, Asynchronous 1024 同步机2048, 异步机1024	F5-23	X23 function selection X23功能选择	0			
F1-25	Motor type 电动机类型	0: asynchronous motor, 1: synchronous motor 0: 异步电动机, 1: 同步电动机	F5-24	X24 function selection X24功能选择	0			
F2-10	Elevator running direction 电梯运行方向	0: the same direction, 1: the direction is reversed 0: 方向相同, 1: 方向取反	F5-25	Car top board input port selection 轿顶板输入口选择	1856 (bit6, 8, 9, 10 are set to 1) 1856 (bit6, 8, 9, 10设为1)			
F3-25	Emergency electric running speed 紧急电动运行速度	0.3	F5-26	Y1 function selection Y1功能选择	01 (Running contactor) 01 (运行接触器)			
F3-26	Shaft self-learning speed 井道自学习速度	0.3	F5-27	Y2 function selection Y2功能选择	02 (Brake contactor) 02 (抱闸接触器)			
F5-01	X1 function selection X1功能选择	1	F5-28	Y3 function selection Y3功能选择	Set to 0 without this contactor 无此接触器时设为0	F8-16	Base number of outgoing calls at the through back door 贯通后门外呼地址基数	20 (Backdoor address code 20*H) 20 (后门地址码20*H)
F5-02	X2 function selection X2功能选择	0	F5-29	Y4 function selection Y4功能选择	0			
F5-03	X3 function selection X3功能选择	2	F5-30	Y5 function selection Y5功能选择	0			
F5-04	X4 function selection X4功能选择	27 (ARD signal) 27 (ARD信号)	F5-31	Y6 function selection Y6功能选择	0			
F5-05	X5 function selection X5功能选择	0	F5-36	Weighing channel 称重通道	0: Main board input, 1 car top board input 0: 主板输入, 1轿顶板输入			
F5-06	X6 function selection X6功能选择	38 (Running contactor detection NC) 38 (运行接触器检测常闭)	F5-37	X25 function selection X25功能选择	04 (Safety circuit signal) 04 (安全回路信号)			
F5-07	X7 function selection X7功能选择	39 (The brake contactor detects NC) 39 (抱闸接触器检测常闭)	F5-38	X26 function selection X26功能选择	07 (Door lock short circuit) 07 (门锁短接)			
F5-08	X8 function selection X8功能选择	0	F5-39	X27 function selection X27功能选择	05 (Door lock detection) 05 (门锁检测)			
F5-09	X9 function selection X9功能选择	116 (Emergency electric NC) 116 (紧急电动常闭)	F5-40	X28 function selection X28功能选择	0			
F5-010	X10 function selection X10功能选择	09 (Emergency electric upward NO) 09 (紧急电动上行常开)	F6-00	Elevator top floor 电梯最高层	According to the site 根据现场			

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code	position	Device name	code	position	Device name	code	position	Device name	code	position	Device name	
代号	位置	器件名称	代号	位置	器件名称	代号	位置	器件名称	代号	位置	器件名称	
1BFS	HTW	Buffer switch1 缓冲器开关1	ECB	CAR	Alarm bell 警铃	QF	CTR	Air switch 空气开关				
2BFS	HTW	Buffer switch2 缓冲器开关2	F	CAR	Car fan 轿内风扇	RCS	MR	Rope gripper electrical switch 夹绳器电气开关				
			FIRS2	CAR	Fireman switch(Cop) 消防员开关(操纵箱)	RRB	CTR	overspeed governor remote release button 限速器远程释放按钮				
ATS	CAR	Driver/automatic transfer switch 司机/自动转换开关	FLSD	HTW	Down limited switch 下极限开关	RRO	HTW	overspeed governor remote release coil 限速器远程释放线圈				
BM	CTR	Brake oil 抱闸线圈	FLSU	HTW	Up limited switch 上极限开关	RS	CTR	Force inspection relay 强制检修继电器				
BY	CTR	Brake contactor 抱闸接触器	FS	CAR	Car fan switch 轿内风扇开关	RTB	CTR	overspeed governor remote action button 限速器远程动作按钮				
OCB	CAR	Instruction distribution board 指令分配板	FU	CTR	Fuse 熔断器	RTO	HTW	overspeed governor remote action coil 限速器远程动作线圈				
			FX	CTR	Star contactor 封星接触器	S1	CTR	Bypass loop terminal 旁路回路端子				
CHM	CAR	Voice Announcer 语音报站器	GS	CAR	Car door lock switch 轿门锁开关	S2	CAR	Lighting switch inside car top inspection box 轿顶检修箱柜内照明开关				
CIS	CTR	Emergency Electric Run Switch 紧急电动运行开关	GTS	HTW	overspeed governor tensioner rope break switch 限速器张紧轮钢丝绳开关	S3	CAR	Lighting switch on car top 轿顶照明开关				
CLI	CAR	Car light 轿内照明	HCB	HTW	Display board 楼层显示板	SUP	CAR	Safety circuit backup switch 安全回路备用开关				
CLIS	CAR	Car light switch 轿内照明开关	ISS	CAR	Stand-alone switch 独立运行开关	SOS	CTR	Safety gear action electrical switch 安全钳动作电气开关				
CLT1	CAR	Door1 Door close 门1关门到位	LHNS1	HTW	Machine room/shaft light switch 机房井道照明开关	SW	CTR	run contactor 运行接触器				
CLT2	CAR	Door2 Door close 门2关门到位	LHNS2	HTW	Pit/shaft light switch 底坑井道照明开关	SWP	CTR	switching power supply 开关电源				
CTB	CAR	Car top controll board 轿顶控制板	LPT	CAR	Arrival gong 到站铃	SGS	CAR	Car top auxiliary door lock 轿顶辅助门锁				
CIS	CTR	Emergency Electric Run Switch 紧急电动运行开关	LWO	CAR	Overload switch 超载开关	SWP	CTR	switching power supply 开关电源				
CIU	CTR	Emergency electric up run button 紧急电动运行上行按钮	LWX	CAR	Full load switch 满载开关	FL1	CAR	head area 上门区				
CID	CTR	Emergency electric down run button 紧急电动运行下行按钮	MCB	CTR	Mother board 主控制板	FL2	CAR	Lower gate area 下门区				
DBR	CTR	Brake resistor 制动电阻	MES	CTR	Controller emergency button 控制柜急停按钮	BZ	CAR	Sound and light alarm device 声光报警装置				
B2	CAR	Door 1 close door 门1关门指令	MES-1	MR	Machine emergency button 主机急停按钮	TCI	CAR	Car top inspection knob 轿顶检修按钮				
C2	CAR	Door 2 close door 门2关门指令	MES-2	MR	Hand wheel emergency button 盘车手轮急停按钮	TCIB	CAR	Car top maintenance public button 轿顶检修公用按钮				
			MTS	MR	Motor overheat protection 马达过热保护	TCID	CAR	Car top maintenance down button 轿顶检修下行按钮				
DDCB	CAR	Door closing delay button 关门延时按钮	NSB	CAR	Driver direct switch 司机直达开关	TCIU	CAR	Car top maintenance up button 轿顶检修上行按钮				
DLS1	HTW	The next level of forced deceleration 下一级强迫减速	OLT1	HTW	Door1 open door 门1开门到位	TES	CAR	Car top emergency stop button 轿顶急停按钮				
DLS2	HTW	Next two level forced deceleration 下二级强迫减速	OLT2	HTW	Door2 open door 门2开门到位	TLS	CAR	Car top lighting switch 轿顶照明开关				
DM	CAR	Door motor 门机马达	OS	HTW	overspeed governor electrical switch 限速器电气开关	TBCL	CAR	Car top inspection lighting and emergency lighting shades 轿顶检修照明和应急照明灯罩				
B1	CAR	Door 1 open door 门1开门指令	PES1	HTW	Emergency stop button for pit inspection box 底坑检修箱急停按钮	TRF	CTR	control transformer 控制变压器				
C1	CAR	Door 2 open door 门2开门指令	PES2	HTW	Pit switch box emergency stop button 底坑开关盒急停按钮	TUR1	CAR	Car top jack AC220V 轿顶插座AC220V				
DS	HTW	Landing door lock electrical linkage switch 层门锁电气联动开关	PG	MR	Encoder (machine driving) 编码器(曳引机)	ULS1	HTW	Forced deceleration of the previous level 上一级强迫减速				
FL1	CAR	Up levelling sensor 下平层感应器	PLI	HTW	pit lighting 底坑照明灯	ULS2	HTW	Forced deceleration on the upper level 上二级强迫减速				
FL2	CAR	Down levelling sensor 上平层感应器	PUR	HTW	pit jack 底坑插座	WT1	CAR	Switch value weighing switch 开关量称重开关				
DP	CAR	Door machine overheating protection 门机过热保护	QFB1	CTR	Safety circuit leakage protection 安全回路漏保	WT2	CAR	Analog weighing switch 模拟量称重开关		CAR	NULL	car 轿厢
ECL	CAR	Car emergency light 轿厢应急照明	QFB2	CTR	Door machine brake circuit mains leakage protection 门机抱闸回路市电漏保	CDS	CTR	Machine roomless cabinet door micro switch 无机房柜门微动开关		CTR	NULL	console panel 控制柜
EDP1	CAR	Door 1 photocell 门1光幕	QFB3	CTR	Car lighting circuit mains leakage protection 轿厢照明回路市电漏保	ZMD	CTR	Roomless control cabinet lighting 无机房控制柜照明灯		MR	NULL	host 主机
EDP2	CAR	Door 2 photocell 门2光幕	QFB4	CTR	shaft lighting circuit leakage protection 井道照明回路漏保					HTW	NULL	well 井道

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Version 版本:A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	Device Code Table 器件代号表	D

NICE3000new Electrical Schematic Process Standard:

NICE3000new电气原理图工艺标准:

1. Power level naming rules:

1、电源等级命名规则:

The three-phase 380V power supply in the front stage of the switch is named as L1, L2, L3, N, PE.

三相380V动力电源在开关前级的三相五线命名为L1、L2、L3、N、PE。

The two-phase three-wire of the single-phase 220V power supply in the front stage of the switch are named L1, N, PE.

单相220V动力电源在开关前级的二相三线命名为L1、N、PE。

220V lighting power supply is named 501 and 502 in the front stage of the power cabinet switch, and named 507 and 508 in the rear stage of the switch.

220V照明电源在电源柜开关前级的命名为501、502，在开关后级的命名为507、508。

Control transformer secondary naming rules: AC 220V is 201, 202, AC 110V is 101, 102, DC 110V is L+, L-.

控制变压器次级命名规则交流220V为201、202，交流110V为101、102，直流110V为L+、L-。

The 24V output terminals are named 301 and 302.

24V输出端命名为301、302。

The nomenclature after these follows the rules step by step, ranging from 103-199, 203-299, 303-399, 503-599.

在这些之后的命名根据规则逐级往后，范围在103-199、203-299、303-399、503-599之间。

2. Wire number naming rules:

2、线号命名规则:

101-199 are used as AC safety circuit related lines;

101-199做为交流安全回路相关线路;

201-299 is used as the AC 220V related circuit for control;

201-299做为控制用交流220V相关线路;

301-399 are used as DC 24V related lines;

301-399做为直流24V相关线路;

501-599 as AC 220V lighting circuit related circuit;

501-599做为交流220V照明电路相关线路;

801-810 are used as shaft lighting AC 220V related lines.

801-810做为井道照明交流220V相关线路。

3. Switch and contact rules:

3、开关及触点规则:

All switches, relays, and contactor contacts open up and close down, and open left and close right.

所有开关及继电器、接触器触点按照上开下闭，左开右闭习惯。

4. This schematic diagram is applicable to the integrated unit control cabinet produced by our company.

4、本原理图适用于我公司生产的模块化一体机控制柜。

5. The naming method of the line number in the drawing:

5、图纸中线号命名方法:

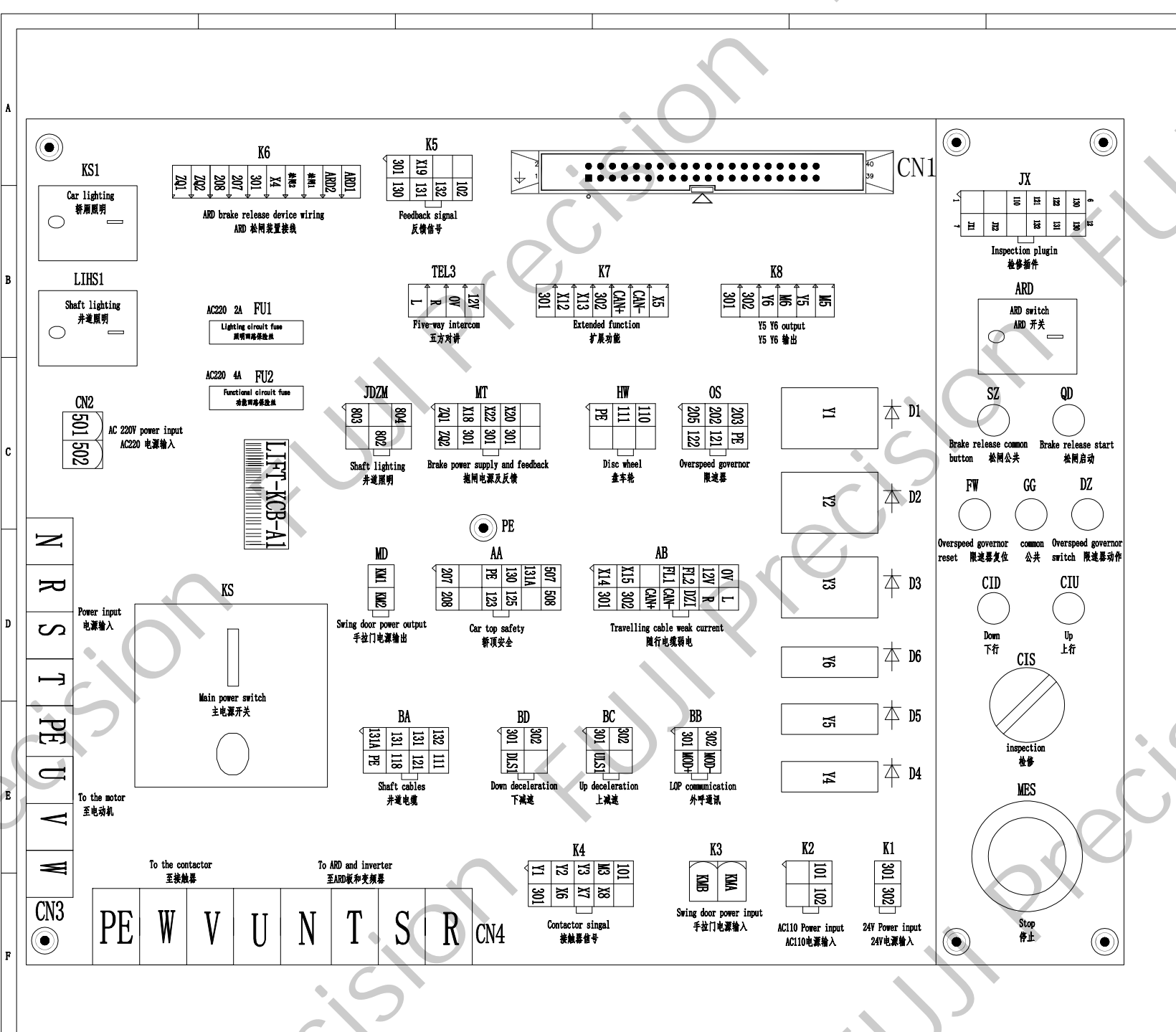
Example: KB3. Among them, KB stands for KB contactor, and 3 is the terminal number of the corresponding contactor.

例: KB3。其中KB代表KB接触器，3为对应接触器端子号。

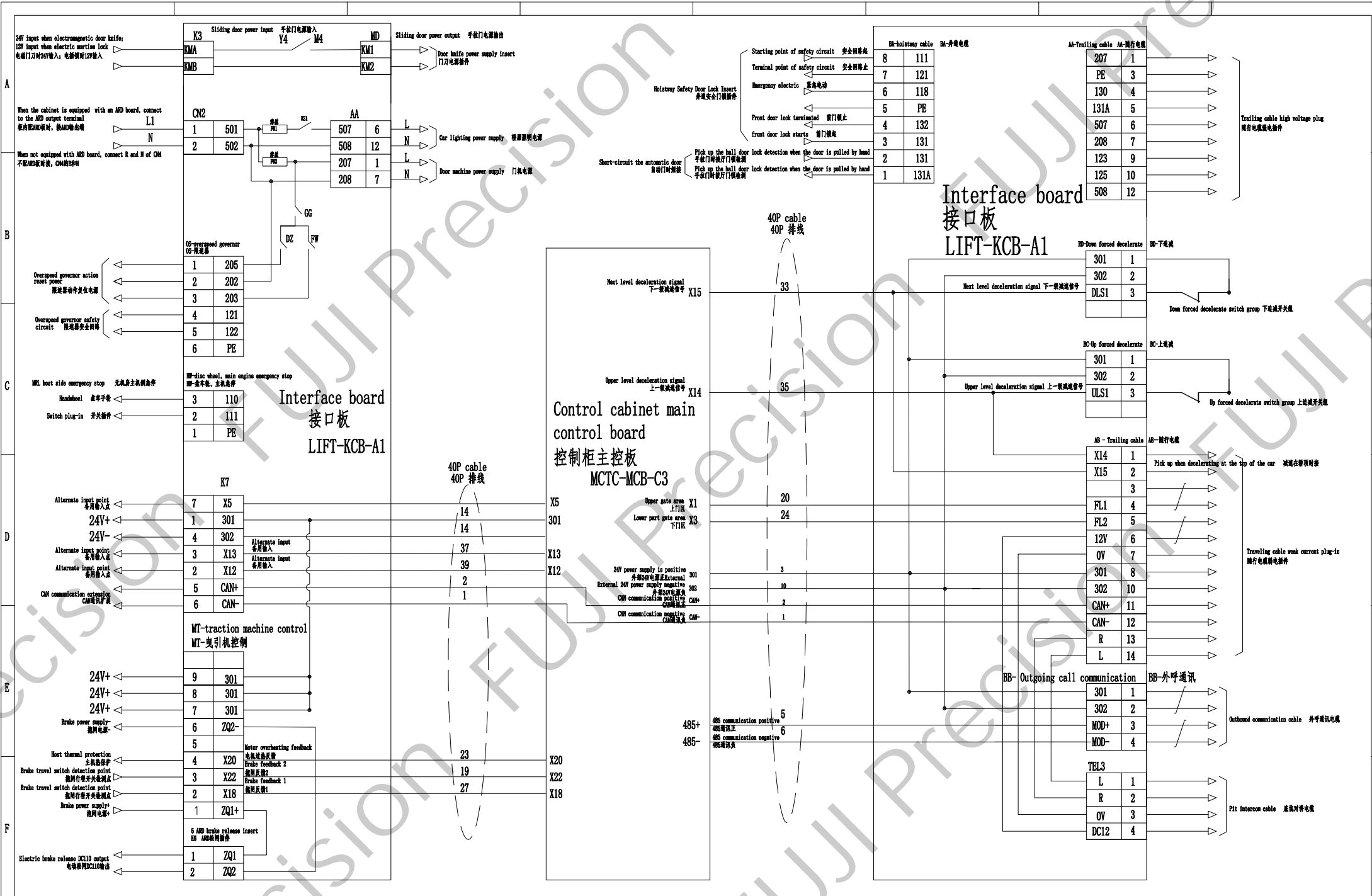
6. Scope of application of drawings: synchronous MRL control cabinet.

6、图纸适用范围: 同步无机房控制柜。

1	2	3	4	5	6	7	8
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Input and Output Terminal Comparison Table 输入输出端子对照表			
Name 名称	Definition 定义	Definition 定义	No. 位号
X1	Up leveling sensor	上平层	KCB-AB:04
X2			
X3	Down leveling sensor	下平层	KCB-AB:05
X4	ARD Singal	ARD信号	KCB-K6:06
X5	Standby cable	备用	KCB-K7:07
X6	Run detection	运行检测	KCB-K4:7
X7	Brake detection	抱闸检测	KCB-K4:8
X8	Star seal detection	封星检测	KCB-K4:9
X9	Emergency electric	紧急电动	
X10	Up inspection	检修上行	
X11	Down inspection	检修下行	
X12	Standby (machine room overloaded)	备用 (机房超载)	KCB-K7:2
X13	Standby (machine room overloaded)	备用 (机房超载)	KCB-K7:3
X14	Up deceleration 1	上减速1	KCB-BC:3
X15	Down deceleration 1	下减速1	KCB-ED:3
X16			
X17			
X18	Brake switch detection 1	抱闸开关检测1	KCB-MT:2
X19			
X20	Motor overheat protection	马达过热保护	KCB-MT:4
X21	Increase when there is motor overheating	有马达过热时增加	
X22	Brake switch detection 2	抱闸开关检测2	KCB-MT:3
X23			
X24	Standby	备用	
X25	Safety circuit detection	安全回路检测	MCB-CN2:2
X26	Car door lock detection	轿门锁检测	MCB-CN2:3
X27	Main door lock circuit detection	总门锁回路检测	MCB-CN2:4
X28			
Y1	Run contactor	运行接触器	KCB-K4:1
M1			KCB-K5:7
Y2	Brake contactor	抱闸接触器	KCB-K4:2
M2			KCB-K5:7
Y3			
M3			
Y4	Swing door output	手拉门输出	KCB-K3:2
M4			KCB-MD:1
Y5			
M5			
Y6			
M6			



Interface board
接口板
LIFT-KCB-A1

Control cabinet main control board
控制柜主控板
MCTC-MCB-C3

Bt-hoistway cable Bt-井道电缆	
8	111
7	121
6	118
5	PE
4	132
3	131
2	131
1	131A

AA-Trailing cable AA-随行电缆	
207	1
PE	3
130	4
131A	5
507	6
208	7
123	9
125	10
508	12

BD-Down forced decelerate BD-下减速	
301	1
302	2
DLS1	3

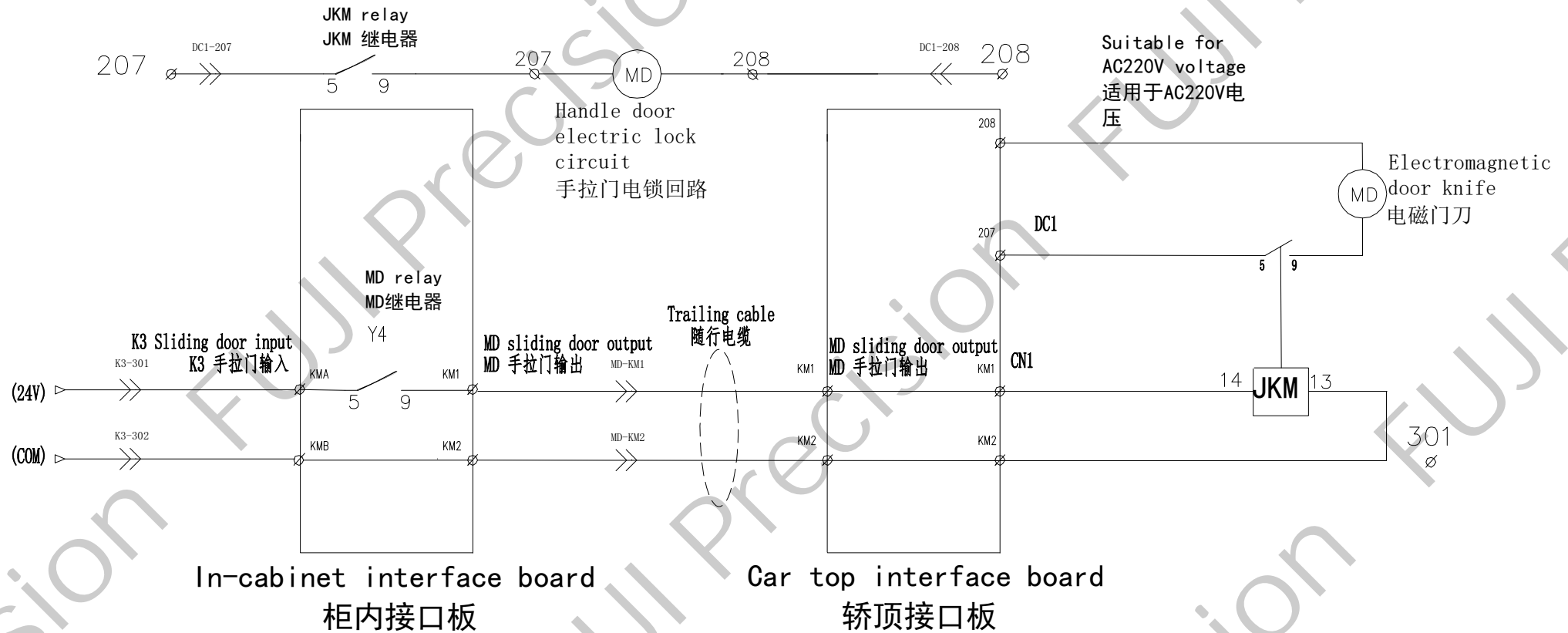
BC-Up forced decelerate BC-上减速	
301	1
302	2
ULS1	3

AB-Trailing cable AB-随行电缆	
X14	1
X15	2
	3
FL1	4
FL2	5
12V	6
0V	7
301	8
302	10
CAN+	11
CAN-	12
R	13
L	14

BB-Outgoing call communication BB-外呼通讯	
301	1
302	2
MOD+	3
MOD-	4

TEL3	
L	1
R	2
0V	3
DC12	4

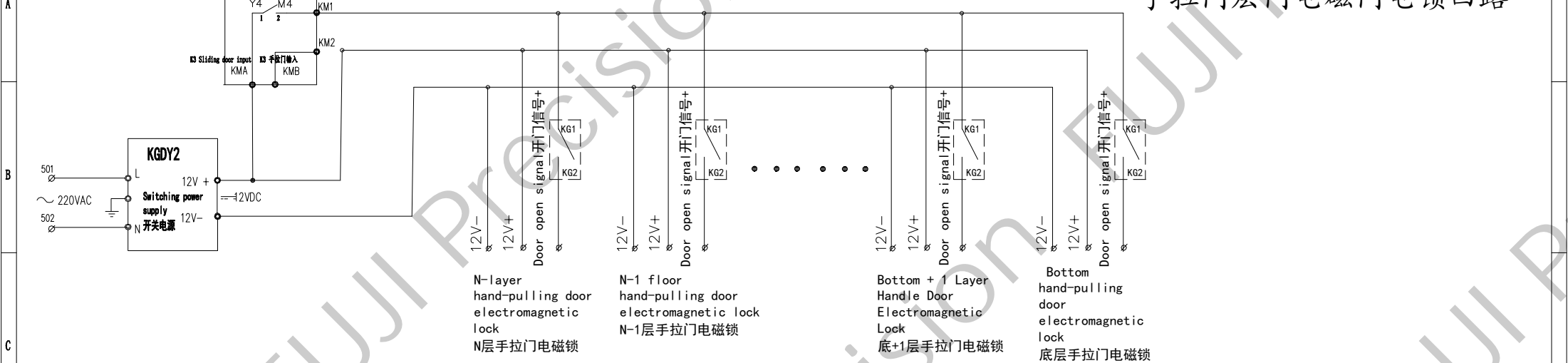
Handle door car top electromagnetic door knife scheme: 手拉门轿顶电磁门刀方案:



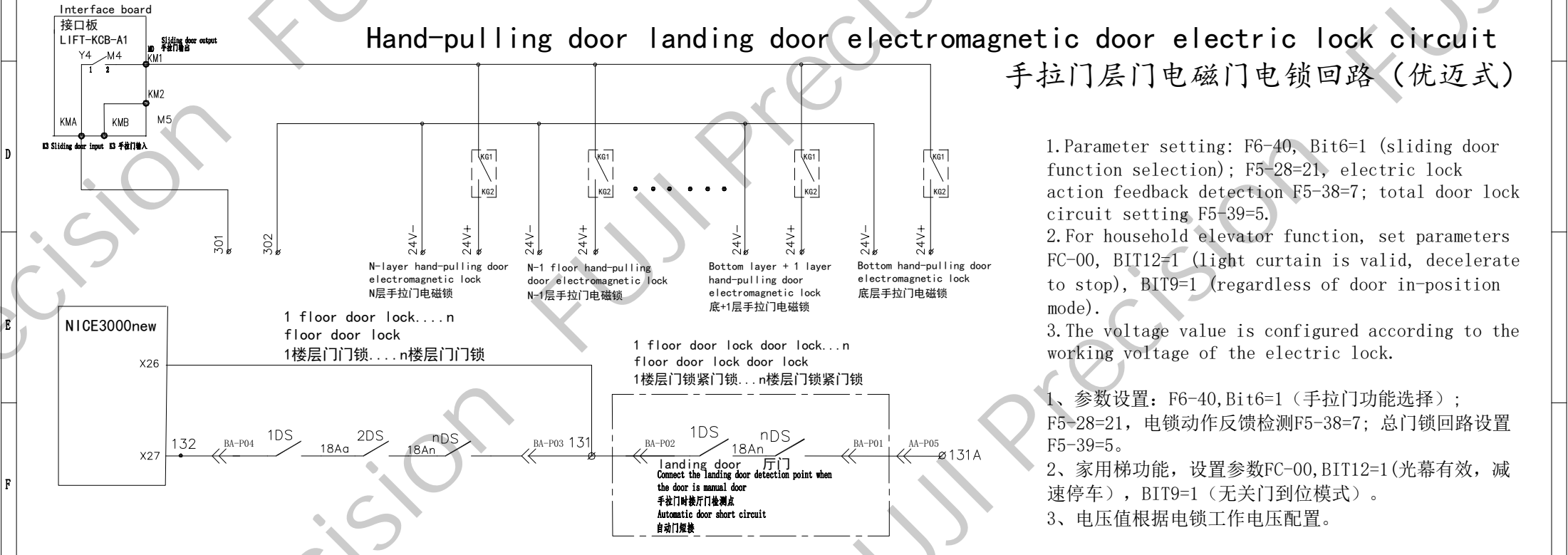
1. The working principle of the electric lock: the electric lock is powered by AC220V, the door knife is powered by the power to open the door, the electric lock is powered off by AC220V, and the elevator can run normally.
2. Parameter setting: F6-40, Bit6=1 (sliding door function selection); F5-29=12, door lock circuit detection F5-39=5; F5-38=0 when there is no car door lock.
3. For household elevator function, set parameter FC-00, BIT 2=1 (light curtain is valid, decelerate to stop), BIT9=1 (regardless of door in-position mode).
4. The voltage value is configured according to the working voltage of the electric lock.

- 1、电锁工作原理：电锁得电AC220V，门刀得电开门，电锁失电AC220V，电梯可正常运行。
- 2、参数设置：F6-40, Bit6=1（手拉门功能选择）； F5-29=12，门锁回路检测F5-39=5；无轿门门锁时F5-38=0。
- 3、家用梯功能，设置参数FC-00, BIT 2=1（光幕有效，减速停车），BIT9=1（无关门到位模式）。
- 4、电压值根据电锁工作电压配置。

Hand-pulling door landing door electromagnetic door electric lock circuit 手拉门层门电磁门电锁回路



Hand-pulling door landing door electromagnetic door electric lock circuit 手拉门层门电磁门电锁回路 (优迈式)



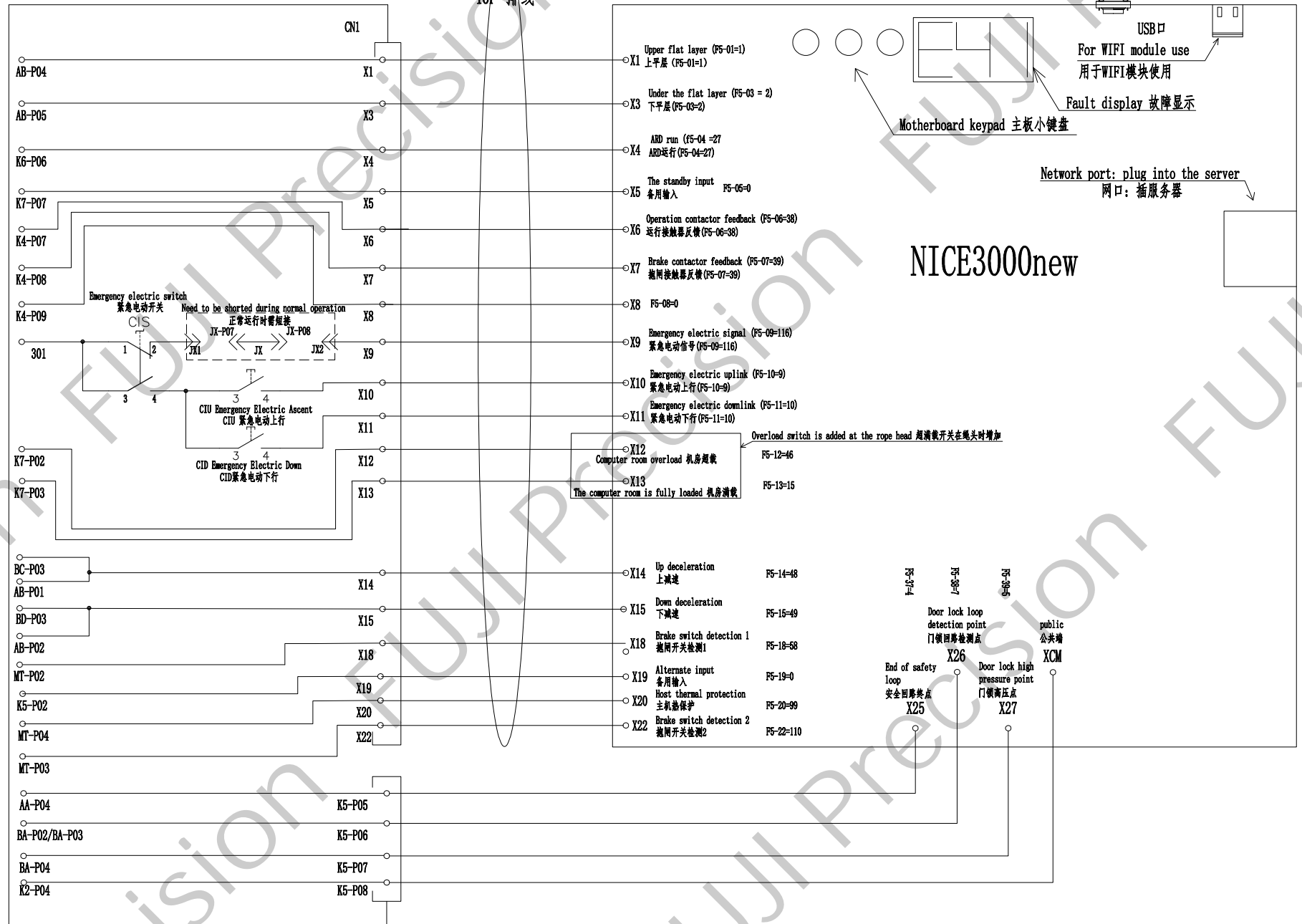
1. Parameter setting: F6-40, Bit6=1 (sliding door function selection); F5-28=21, electric lock action feedback detection F5-38=7; total door lock circuit setting F5-39=5.
2. For household elevator function, set parameters FC-00, BIT12=1 (light curtain is valid, decelerate to stop), BIT9=1 (regardless of door in-position mode).
3. The voltage value is configured according to the working voltage of the electric lock.

- 1、参数设置：F6-40, Bit6=1（手拉门功能选择）；F5-28=21，电锁动作反馈检测F5-38=7；总门锁回路设置F5-39=5。
- 2、家用梯功能，设置参数FC-00, BIT12=1（光幕有效，减速停车），BIT9=1（无关门到位模式）。
- 3、电压值根据电锁工作电压配置。

Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	The principle of electric mortise lock for hall door 厅门电插锁门原理	P05

LIFT-KCB-A1 接口板 interface board

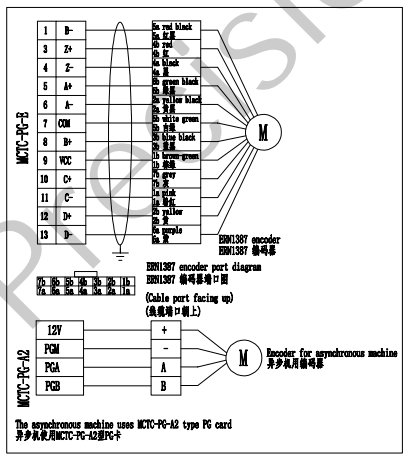
40P Cable wiring
40P 排线



Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	Main board input wiring diagram 主板输入接线图	P06

NICE3000new

- X1 Upper level (F5-01=1)
上平层 (F5-01=1)
- X3 Lower level (F5-03=2)
下平层 (F5-03=2)
- X4 ARD run (F5-04=27)
ARD运行 (F5-04=27)
- X5 Alternate input F5-05=0
备用输入
- X6 Running Contactor Feedback (F5-06=38)
运行接触器反馈 (F5-06=38)
- X7 Brake contactor feedback (F5-07=39)
抱闸接触器反馈 (F5-07=39)
- X8 F5-08=0
- X9 Emergency electric signal (F5-09=116)
紧急电动信号 (F5-09=116)
- X10 Emergency electric ascent (F5-10=9)
紧急电动上行 (F5-10=9)
- X11 Emergency electric down (F5-11=10)
紧急电动下行 (F5-11=10)
- X12 Computer room overload F5-12=46
机房过载
- X13 The computer room is fully loaded F5-13=15
机房满载



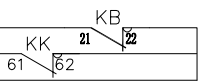
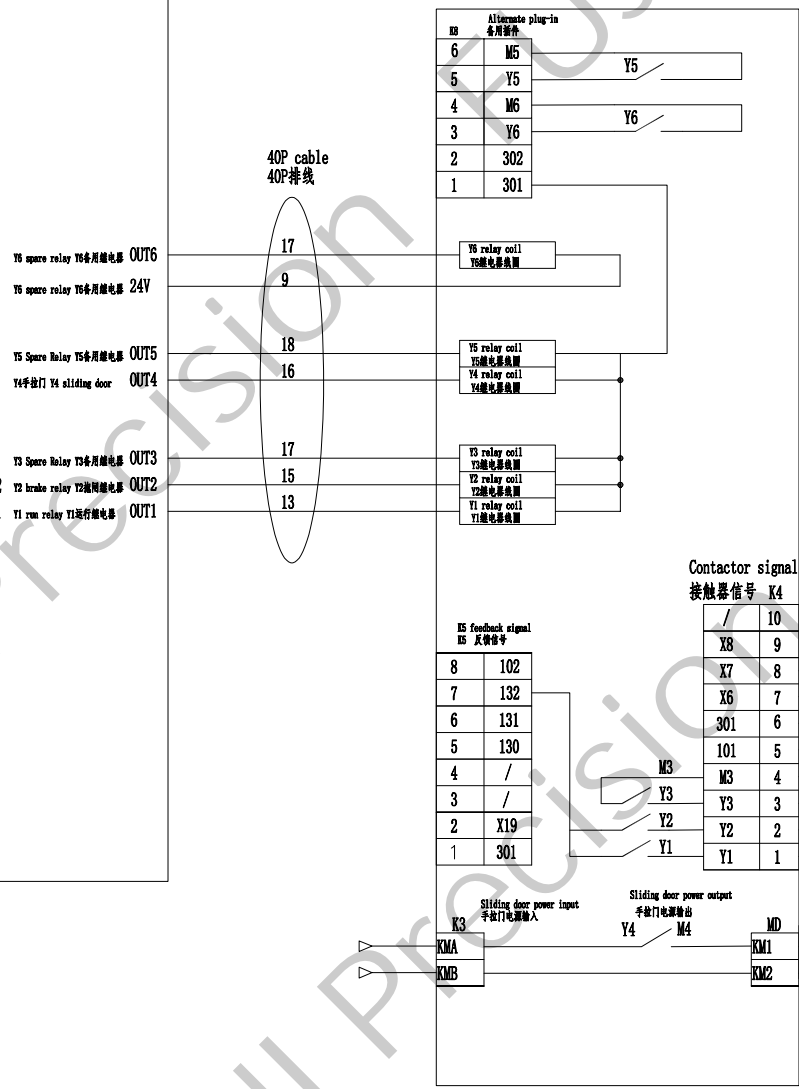
Overload switch is added at the rope head
超满载开关在绳头时增加

- X14 Up deceleration F5-14=48
上减速
- X15 Down deceleration F5-15=49
下减速
- X18 Brake switch detection 1 F5-18=58
抱闸开关检测1
- X19 Alternate input F5-19=0
备用输入
- X20 Host thermal protection F5-20=99
主机过热保护
- X22 Brake switch detection 2 F5-22=110
抱闸开关检测2

- X25 End of safety loop 安全回路终点 F5-37=4
- X26 Door lock loop detection point 门锁回路检测点 F5-38=5
- X27 Door lock high pressure point 门锁高压点 F5-39=5
- XCM Public 公共端

F5-27=2
F5-26=1

40P cable
40P排线

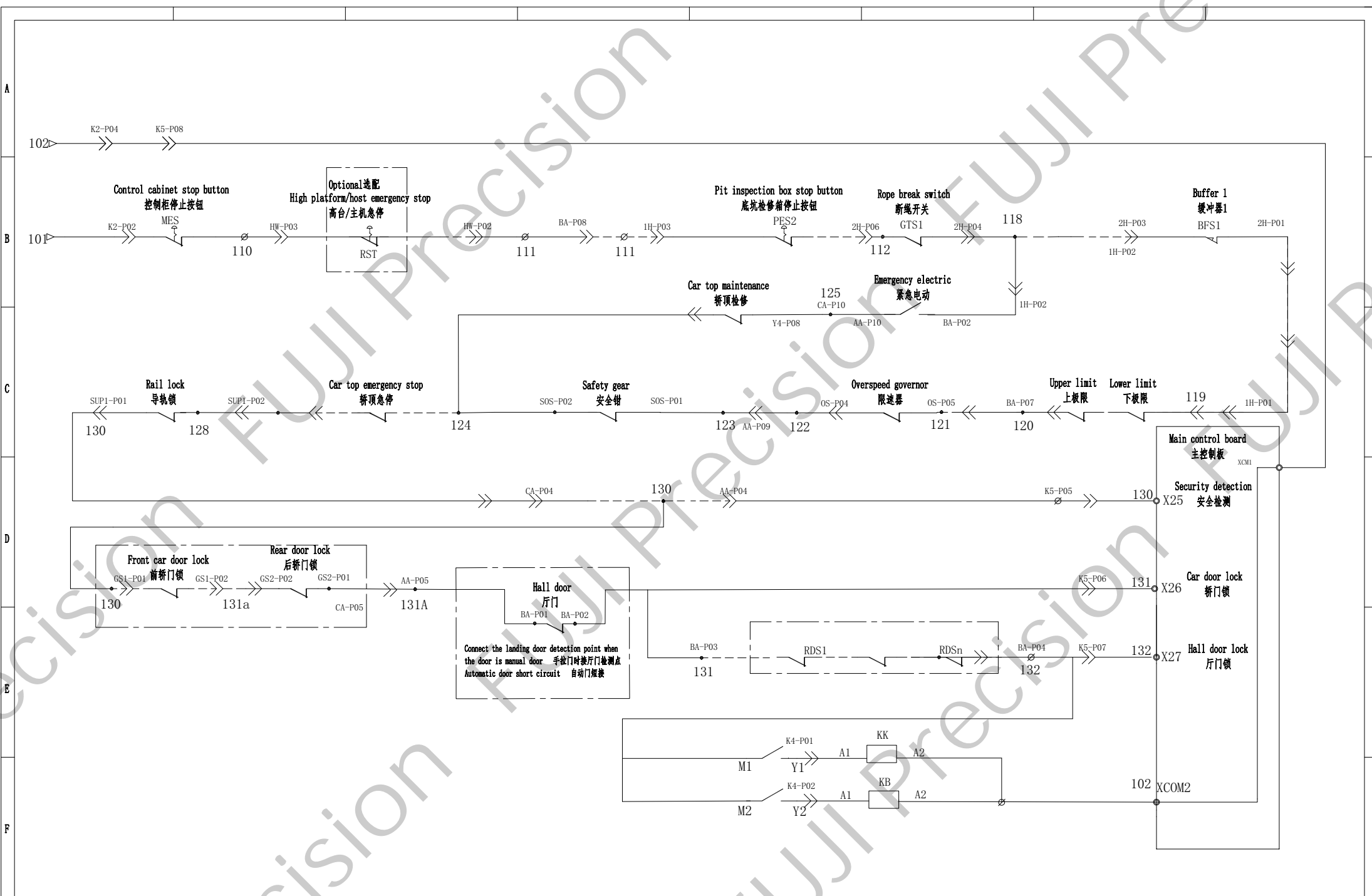


Brake contactor control
抱闸接触器控制

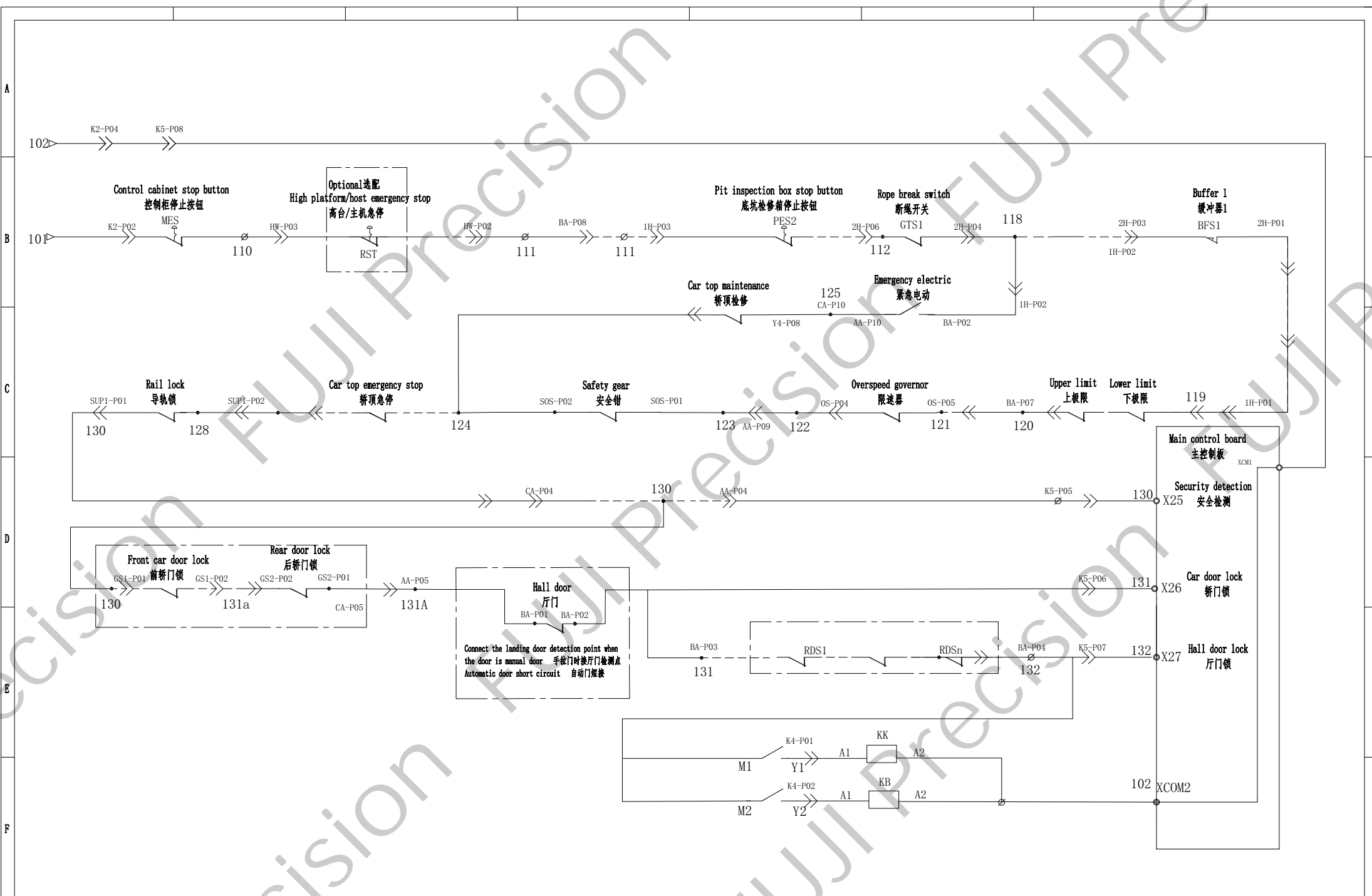
Run contactor control
运行接触器控制

Door knife power supply
门刀电源

plug-in
插件

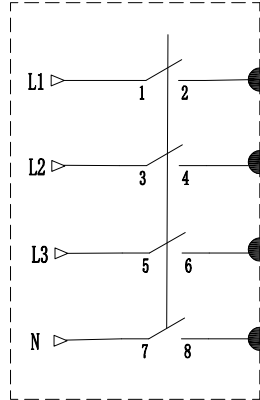


Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	Safety circuit diagram 安全回路图	P08

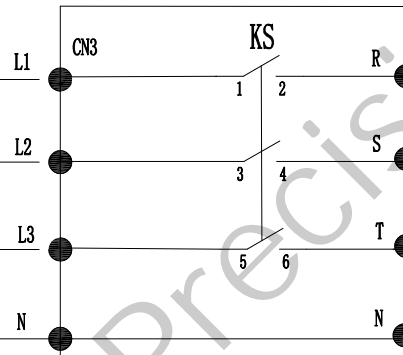


Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	Safety circuit diagram 安全回路图	P08

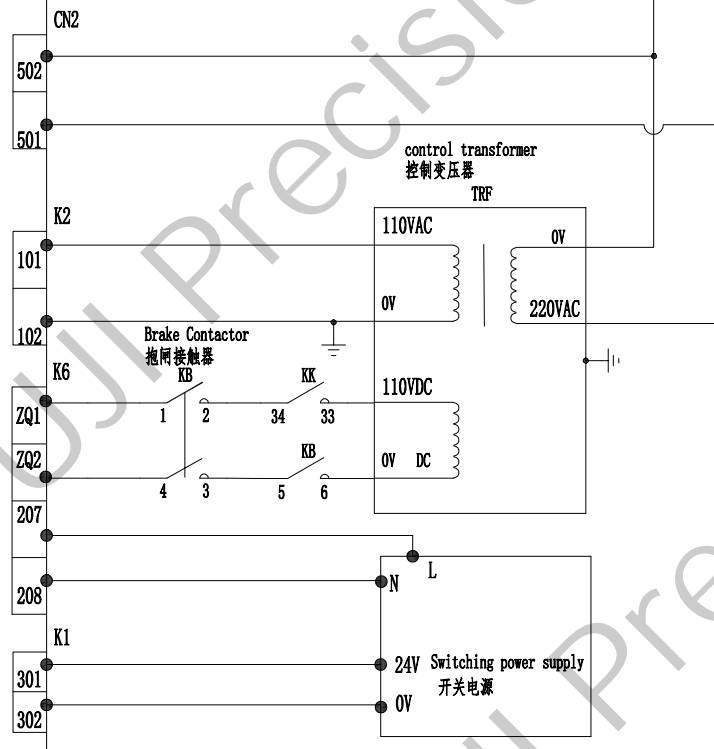
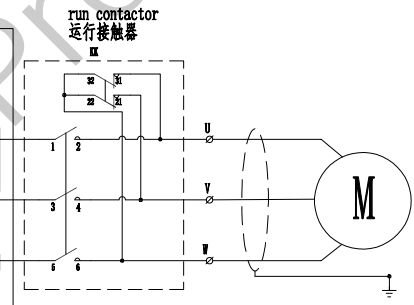
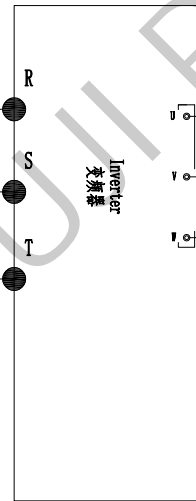
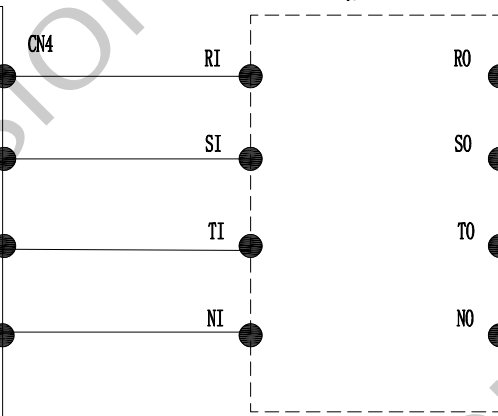
User distribution box
用户配电箱



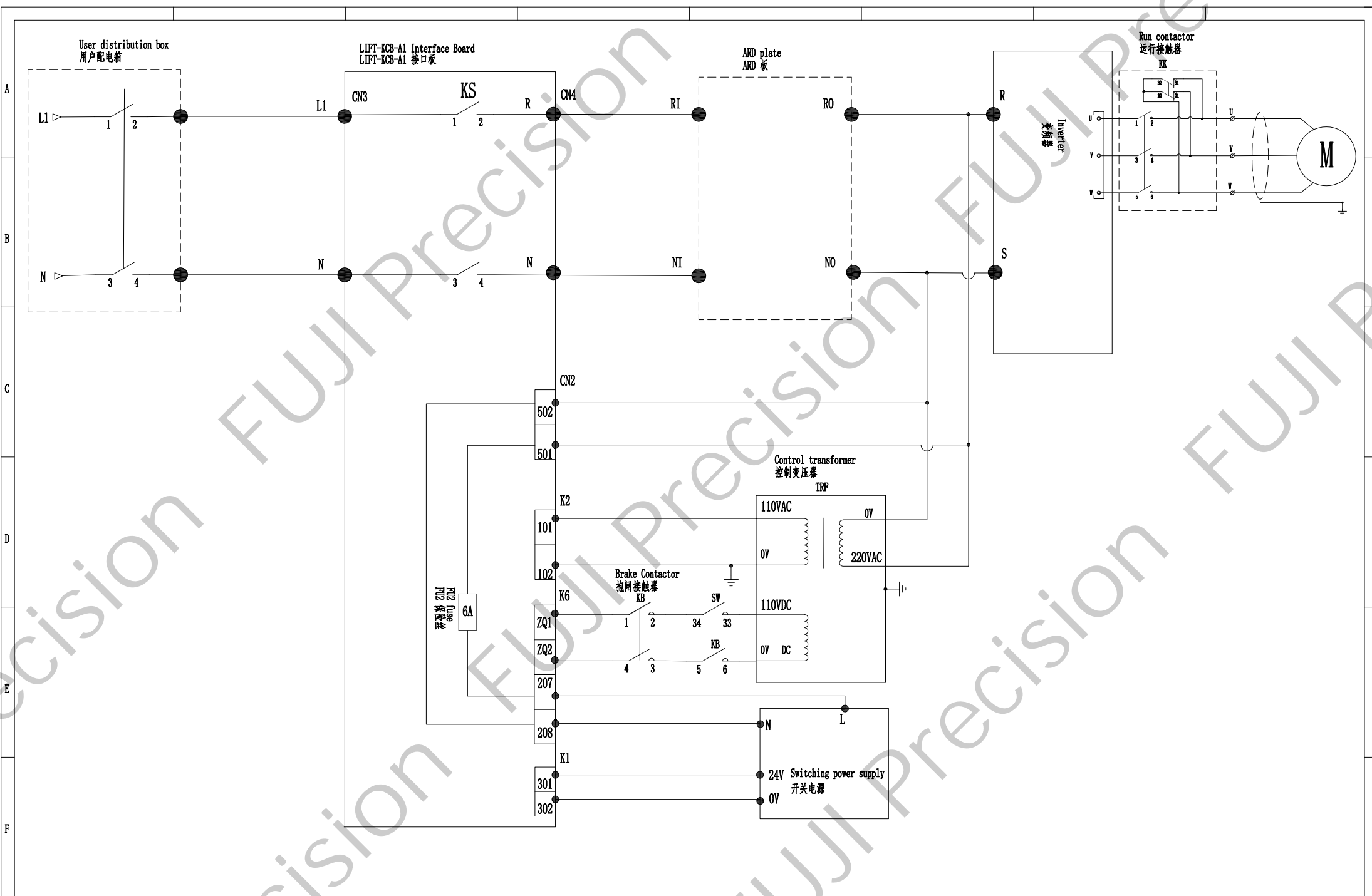
LIFT-KCB-A1 Interface Board
LIFT-KCB-A1 接口板



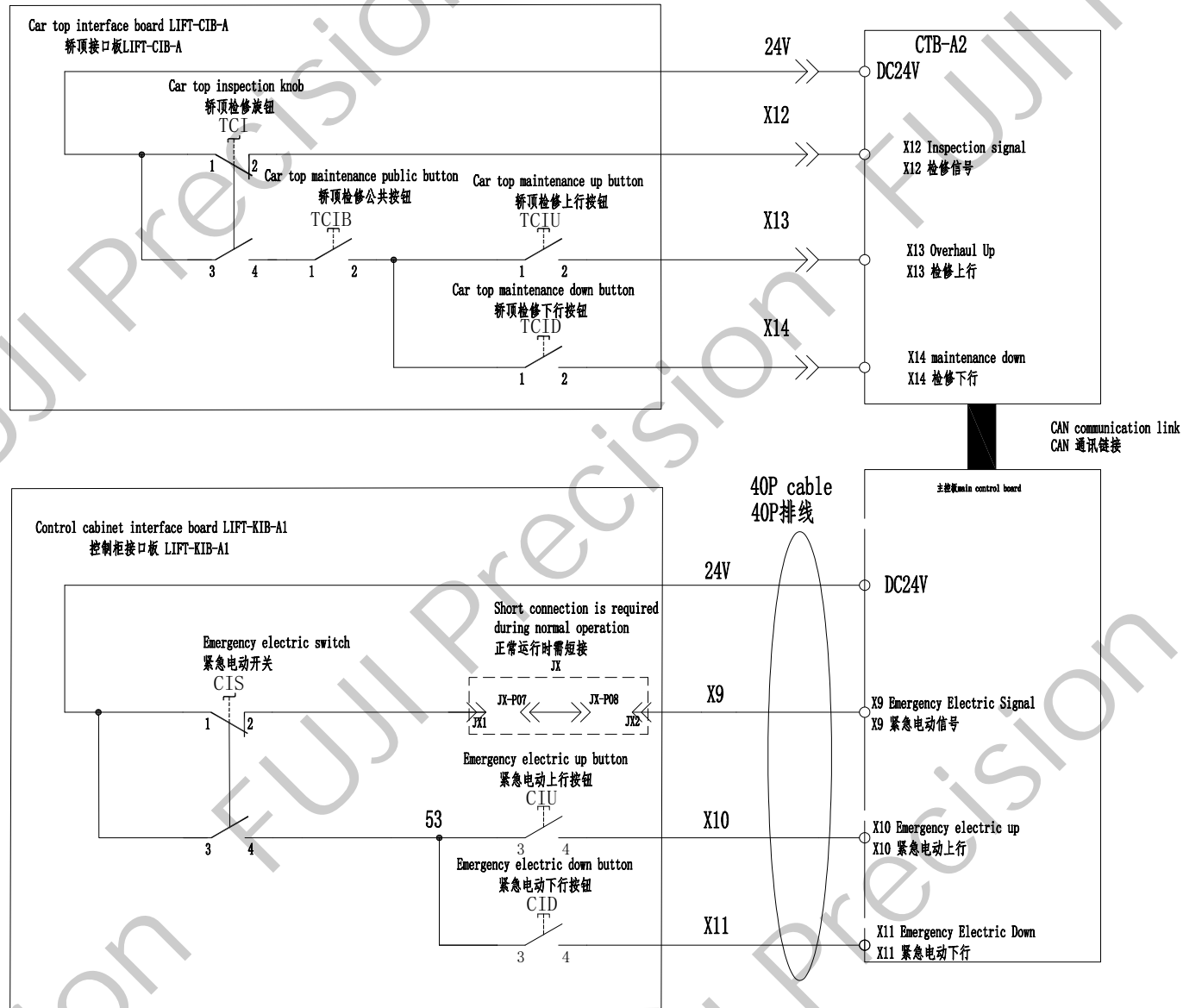
ARD board
ARD板



Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	power supply circuit diagram 供电回路图	P09



Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	220 power supply circuit diagram 220供电回路图	P10



注:

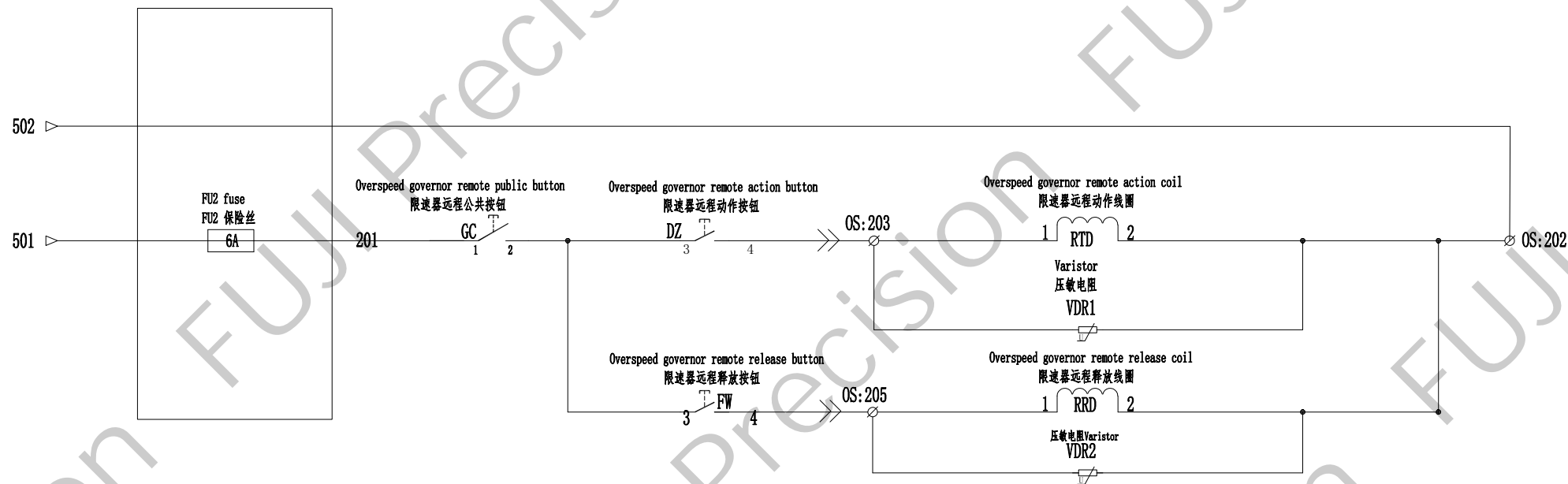
1. Car top maintenance, communicate to the system through the car top.
1、轿顶检修，通过轿顶通讯至系统。

2. The maintenance speed is separated from the emergency electric running speed.
2、检修速度和紧急电动运行速度区分开。

Inspection speed F3-11 setting.
检修速度F3-11设置。

Emergency electric speed F3-25 setting.
紧急电动速度F3-25设置。

Version 版本: A	Design 设计:	Standardization 标准化:	Check 审核:	Approval 批准:	Drawing No 图号:	Drawing Name 图纸名称:	Page 页码:
Date 日期: 2021					KZG-XY-A1	Maintenance circuit diagram 检修回路图	P11

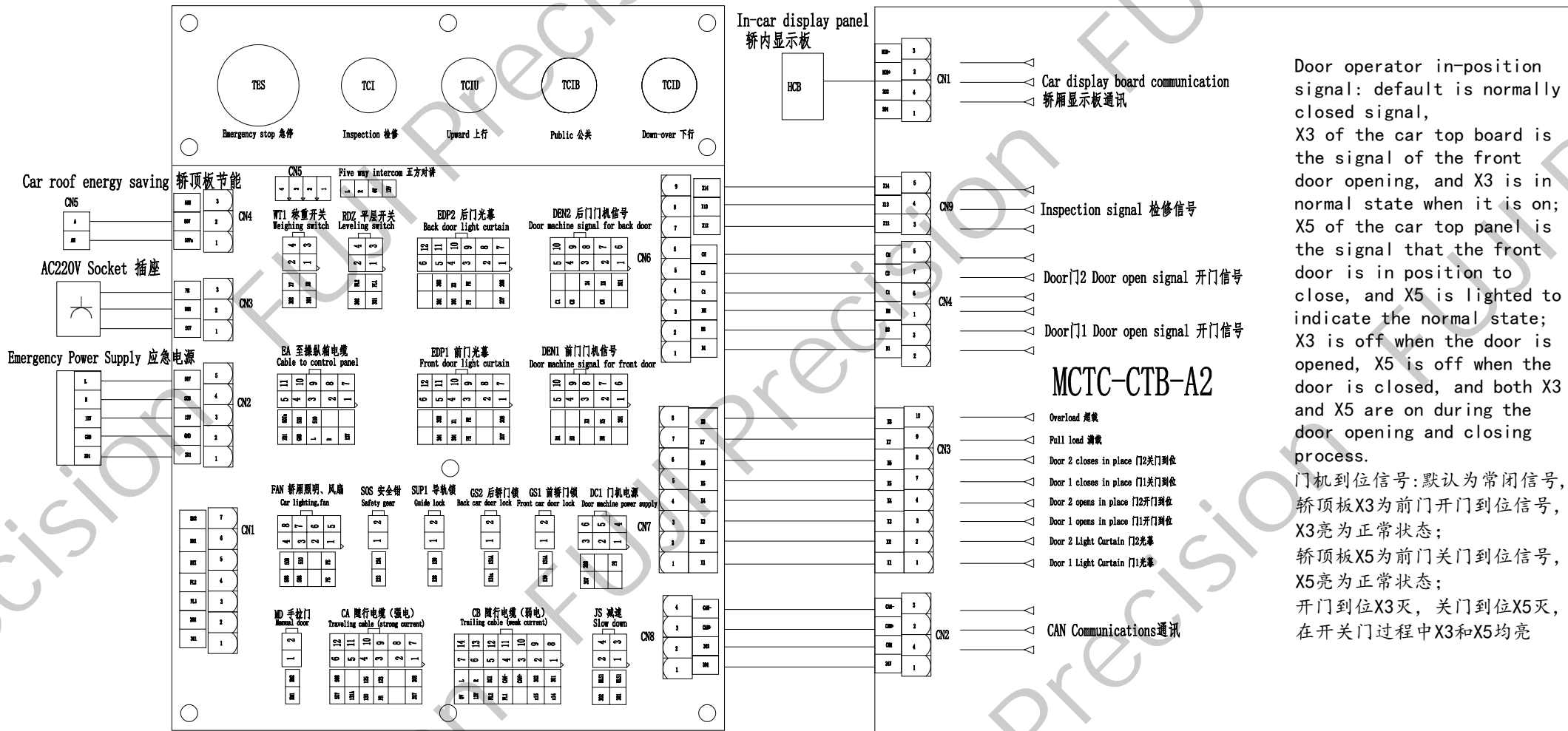


OS	203	PE
	202	121
	205	122

Overspeed governor 限速器

Note: The overspeed governor coil voltage is AC220V. 121 and 122 are safety circuit switches.
注：限速器线圈电压AC220V。121、122为安全回路开关。

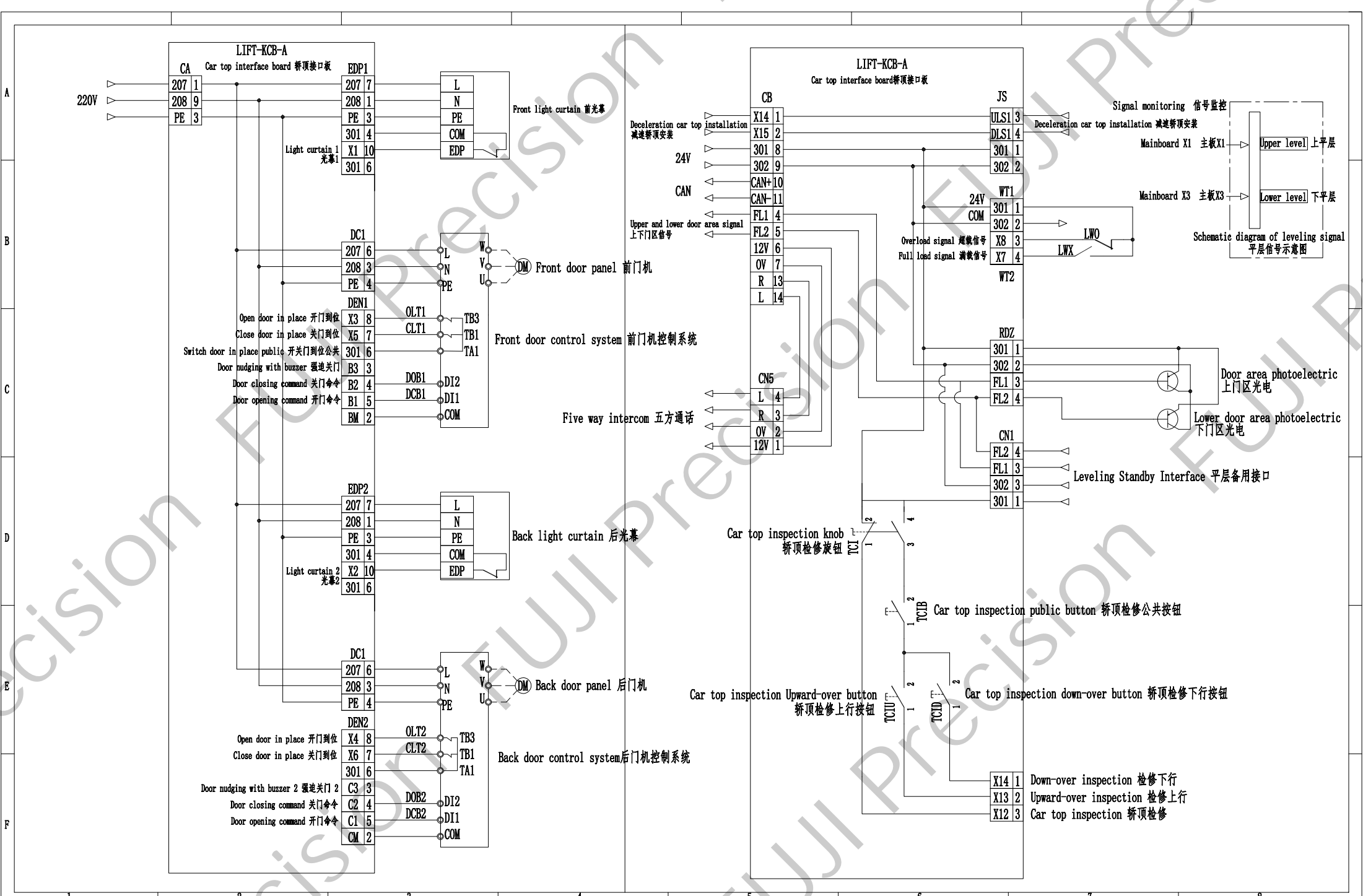
Car top interface board 轿顶接口板



Door operator in-position signal: default is normally closed signal, X3 of the car top board is the signal of the front door opening, and X3 is in normal state when it is on; X5 of the car top panel is the signal that the front door is in position to close, and X5 is lighted to indicate the normal state; X3 is off when the door is opened, X5 is off when the door is closed, and both X3 and X5 are on during the door opening and closing process.

门机到位信号:默认为常闭信号,轿顶板X3为前门开门到位信号, X3亮为正常状态;轿顶板X5为前门关门到位信号, X5亮为正常状态;开门到位X3灭,关门到位X5灭,在开关门过程中X3和X5均亮

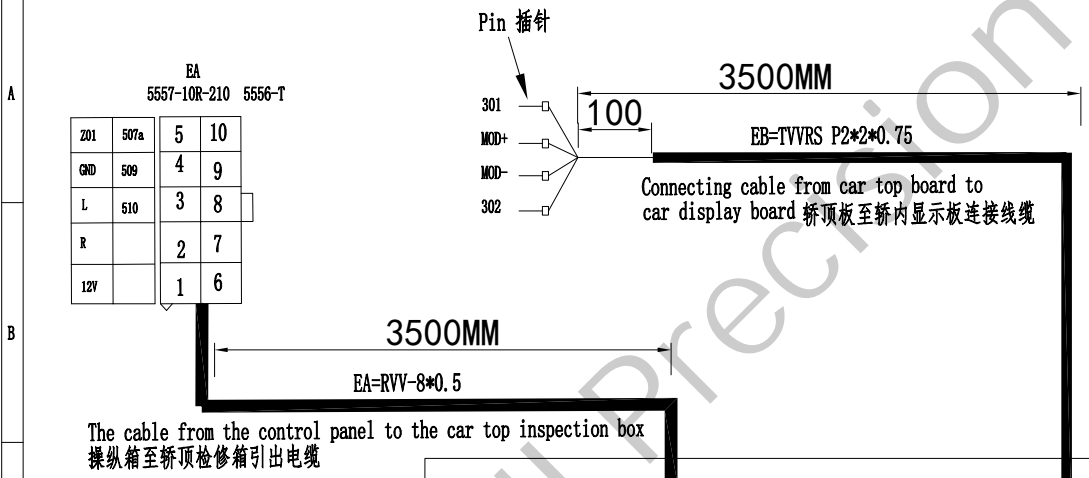
MCTC-CTB-A2



Control panel circuit diagram 操纵箱回路图

- Illustrate:
- The EA EB cable is completed according to the length in the picture when the control panel is processed.
 - Note that the cable length marked in the figure is the length from the top of the control box to the maintenance box, and the length of the cable in the control box is defined by yourself.
 - All EA plug-ins are internally equipped with female pins, (MOLEX) model: 5556-T.

- 说明:
- 操纵箱加工时EA EB线缆按图中长度完成。
 - 注意图中标注的线缆长度为操纵箱顶至检修箱长度，操纵箱内电缆长度自行定义。
 - EA所有插件内部配母针，(MOLEX)型号: 5556-T。



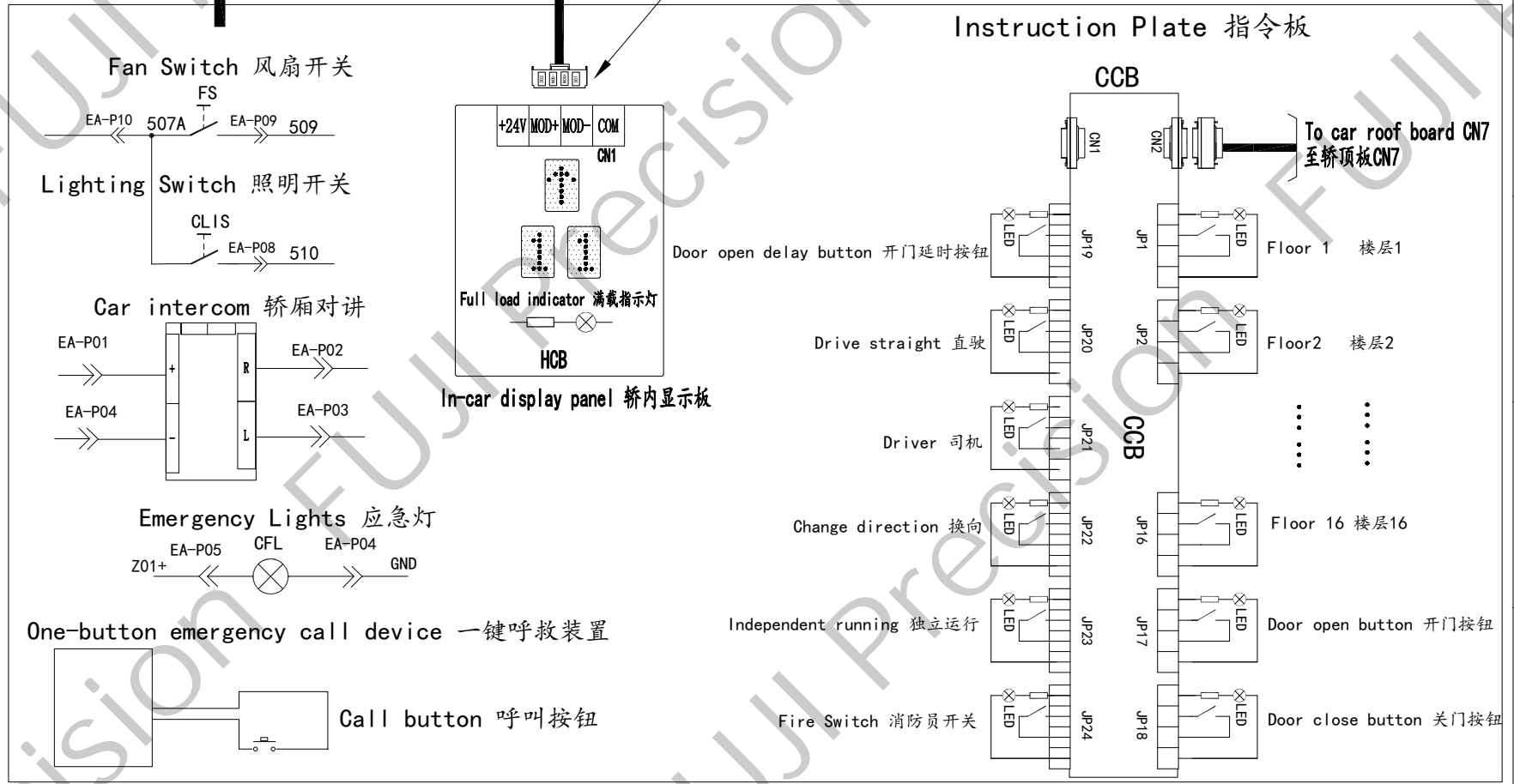
Select plugins based on display board type 根据显示板类型选择插件

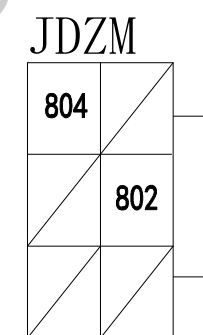
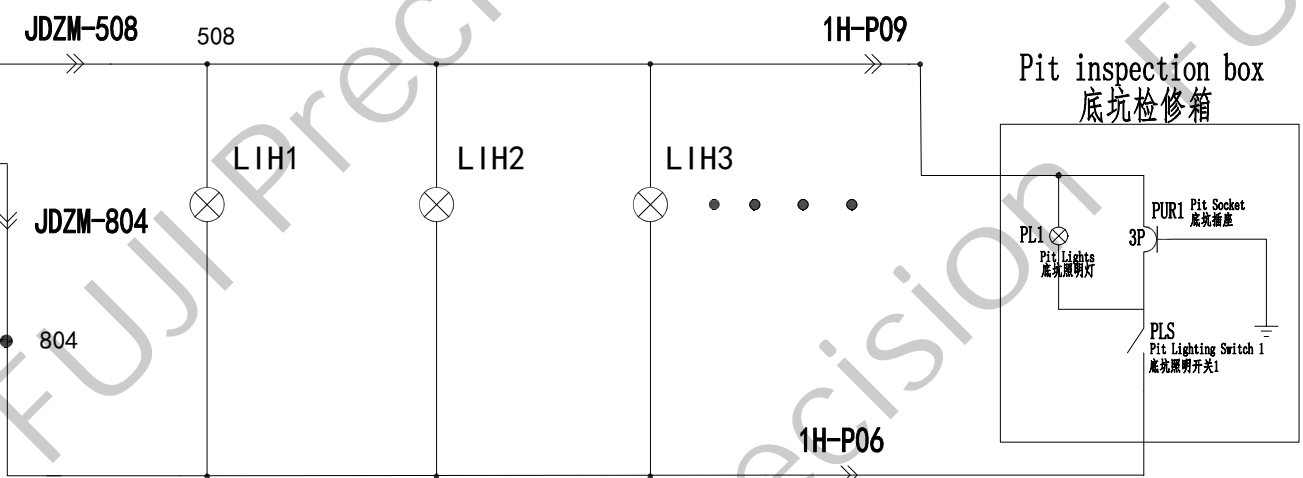
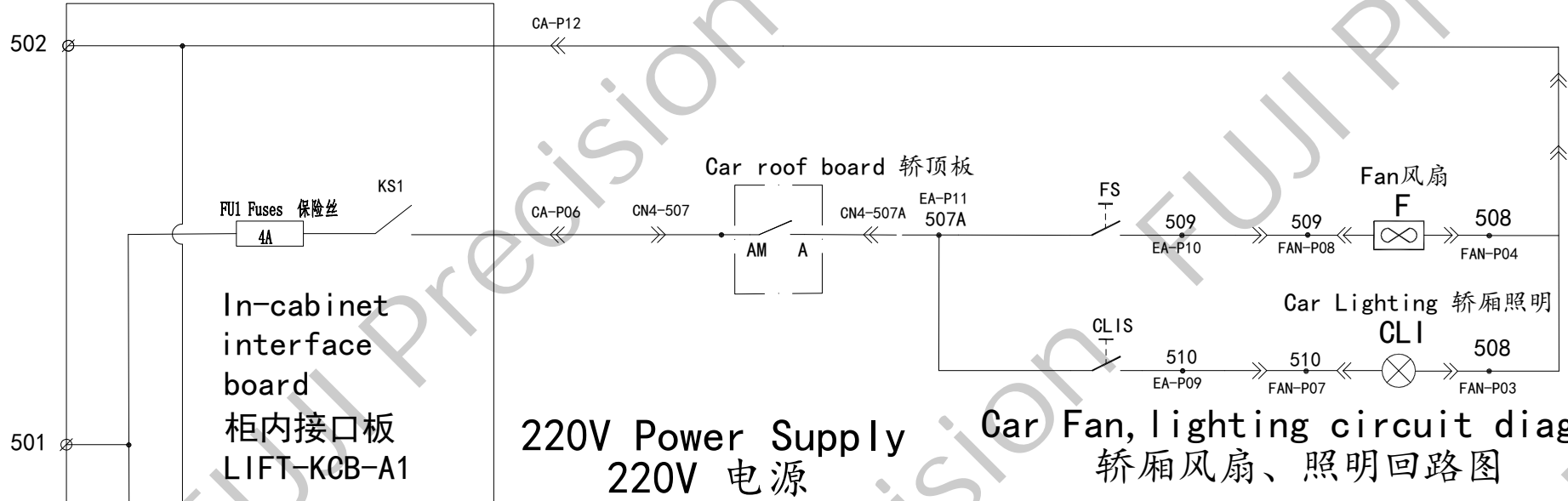
Control panel cable-EA=RVV-8*0.5
操纵箱电缆-EA=RVV-8*0.5

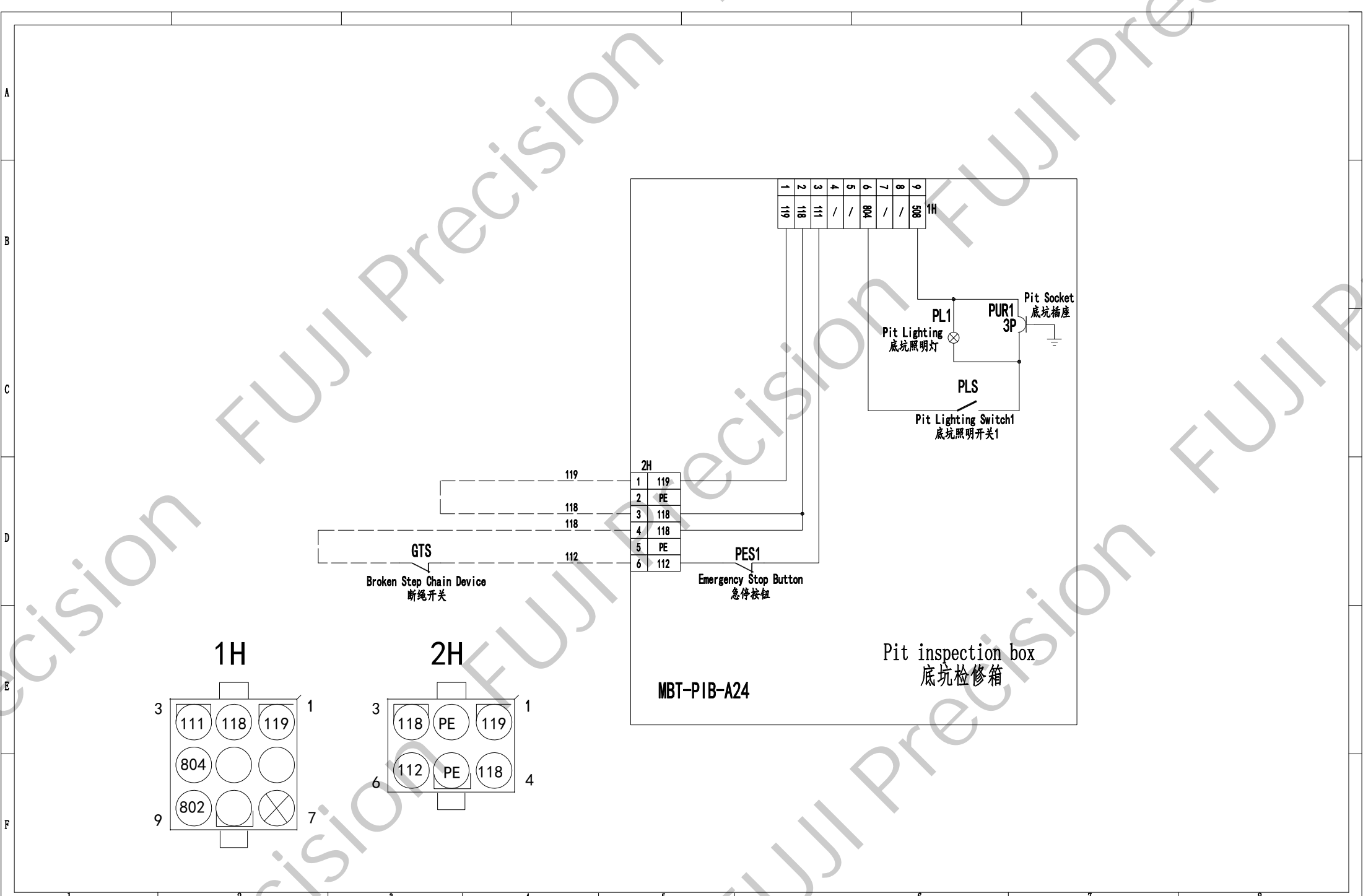
Inspection box insert 检修箱插	Cable No 线缆编号	Graph no 图线编号	Function Name 功能名称
EA-P01	1	12V	
EA-P02	2	R	
EA-P03	3	L	
EA-P04	4	GND	
EA-P05	5	Z01	
EA-P08	6	510	
EA-P09	7	509	
EA-P10	8	507A	

Control panel cable-EB=TVVRS P2*2*0.75
操纵箱电缆-EB=TVVRS P2*2*0.75

Car roof board CN1 轿顶板 CN1	Cable no 线缆编号	Graph no 图线编号	Function Name 功能名称
301	1	301	
MOD+	2	MOD+	
MOD-	3	MOD-	
302	4	302	







While the product is being improved, the information may change without prior notice.
本产品在进行改进的同时，资料可能有所变化，恕不另行通知。