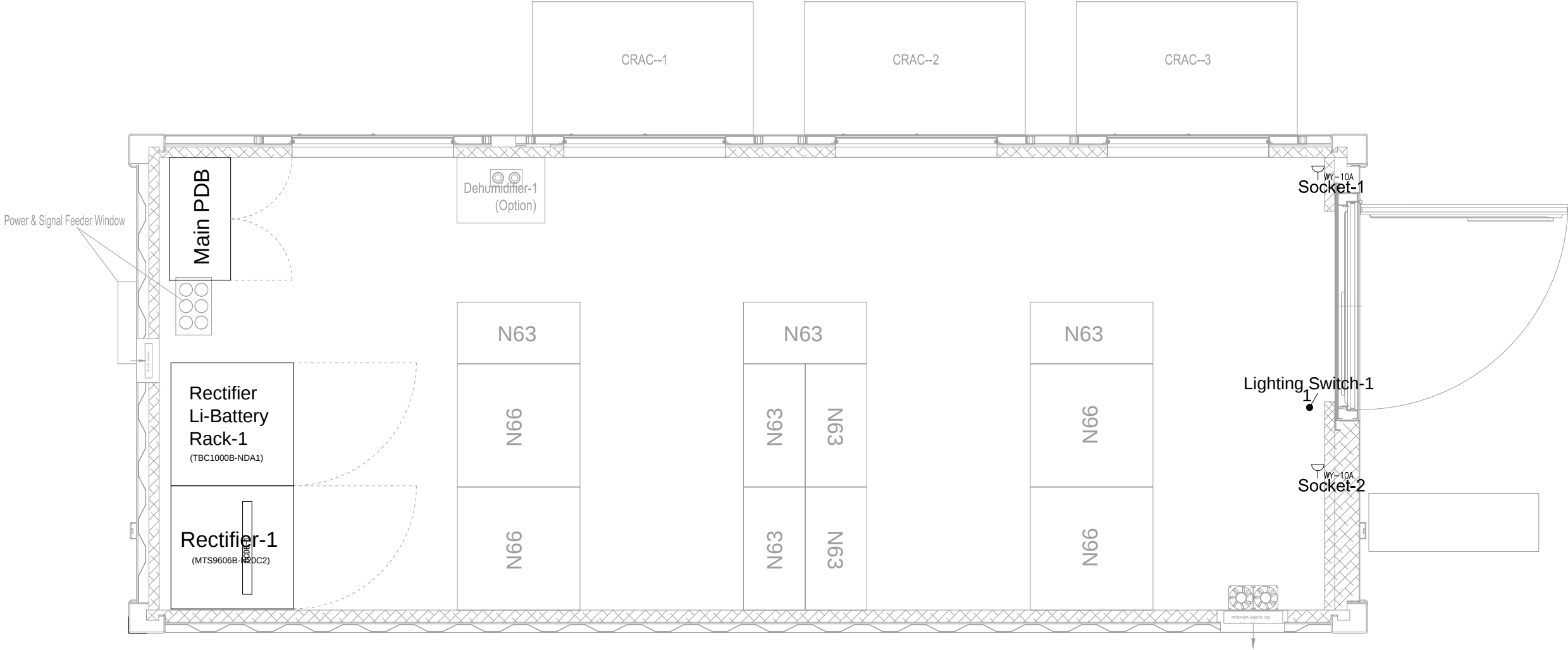


List of Initial Configuration Parameters			
Category	Diagram ID	Diagram Name	Detailed Initial Configuration Parameters
Initial Configurations for the Power Supply and Distribution System	NO.P001	Power Supply and Distribution Device Layout Diagram	-
	NO.P002	Power Supply and Distribution System Diagram	-
	Table 1	Initial Configuration Parameters for Power Supply and Distribution Devices	SMU02C Power System MTS9606B Initial Configuration Parameters
			ATS Power Distribution Box Initial Configuration Parameters
Initial Configurations for the Cooling System	NO.C001	Cooling Device Layout Diagram	-
	NO.C002	Smart Cooling Product Teamwork Relationship Diagram	-
	Table 2	Initial Configuration Parameters for Cooling Devices	Temperature and Humidity Settings for 13.5 kW Integrated Air Conditioner
			Teamwork settings for 13.5 kW Integrated Air Conditioner
			Dehumidifier setting value (Optional)
Initial Configurations for the Management System	NO.M001	Monitoring Device Layout Diagram	-
	NO.M002	Monitoring System Network Diagram	-
	Table 3	Initial Configuration Parameters for the Management System	-
Initial Configurations for the Fire Extinguishing System	NO.F001	Fire Extinguishing Device Layout Diagram	-
	NO.F002	Fire Extinguishing System Conceptual Diagram	-
Other Systems	NO.L001	Lighting Device Layout Diagram	-
	NO.F003	Emergency Exit Diagram	-

No.P001 Power Supply and Distribution Device Layout Diagram



No.P002 Power Supply and Distribution System Diagram

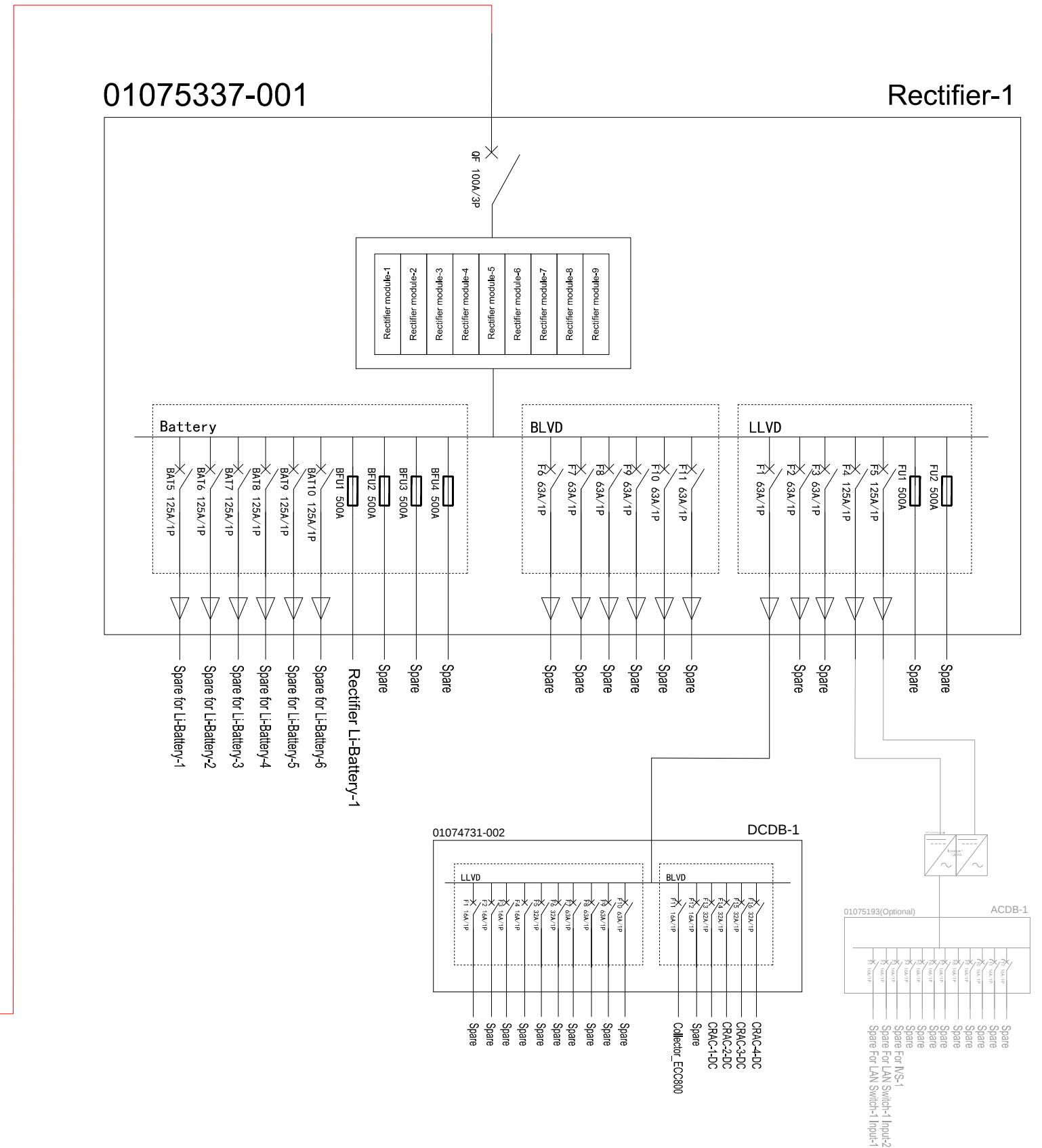
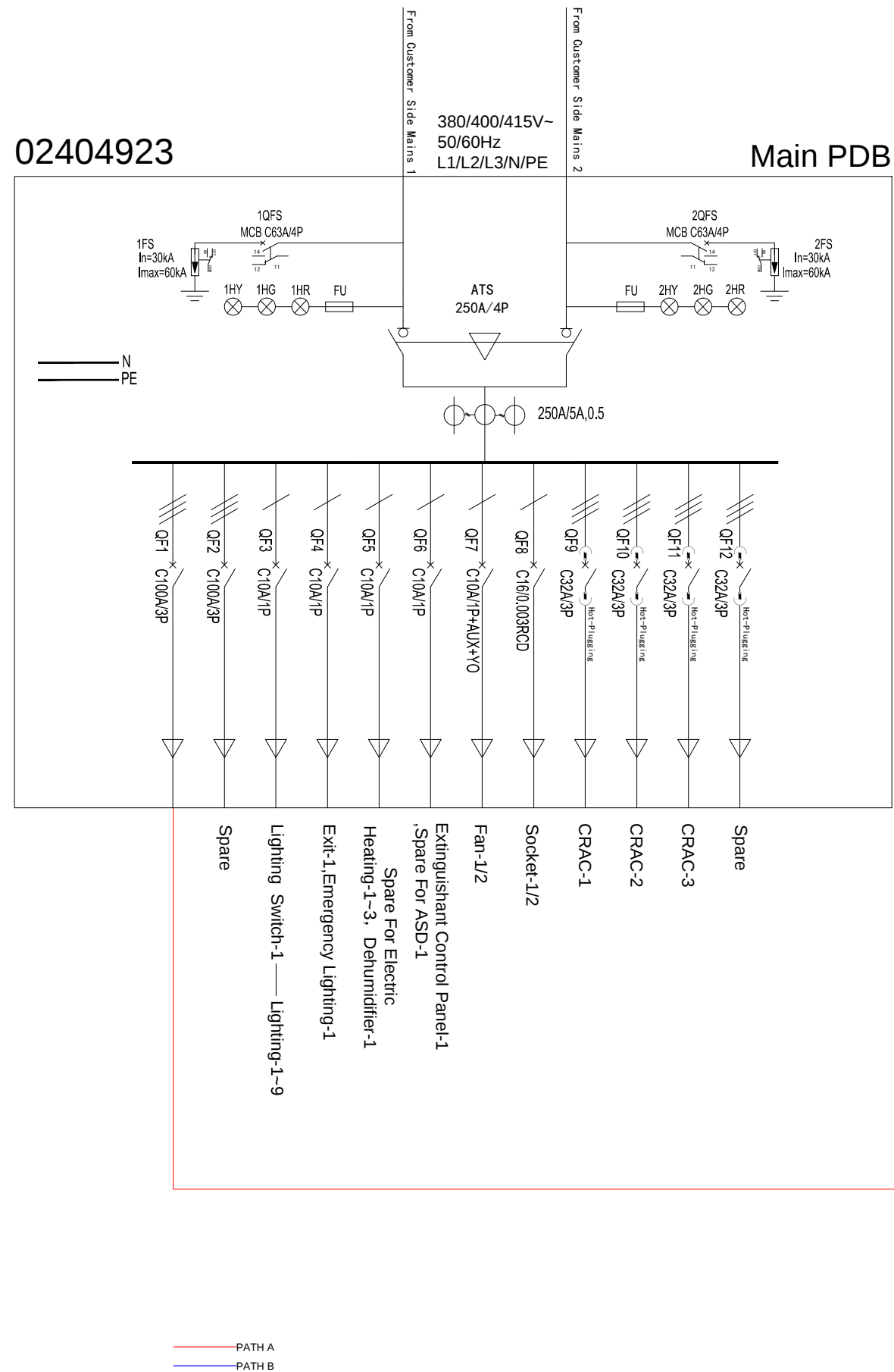


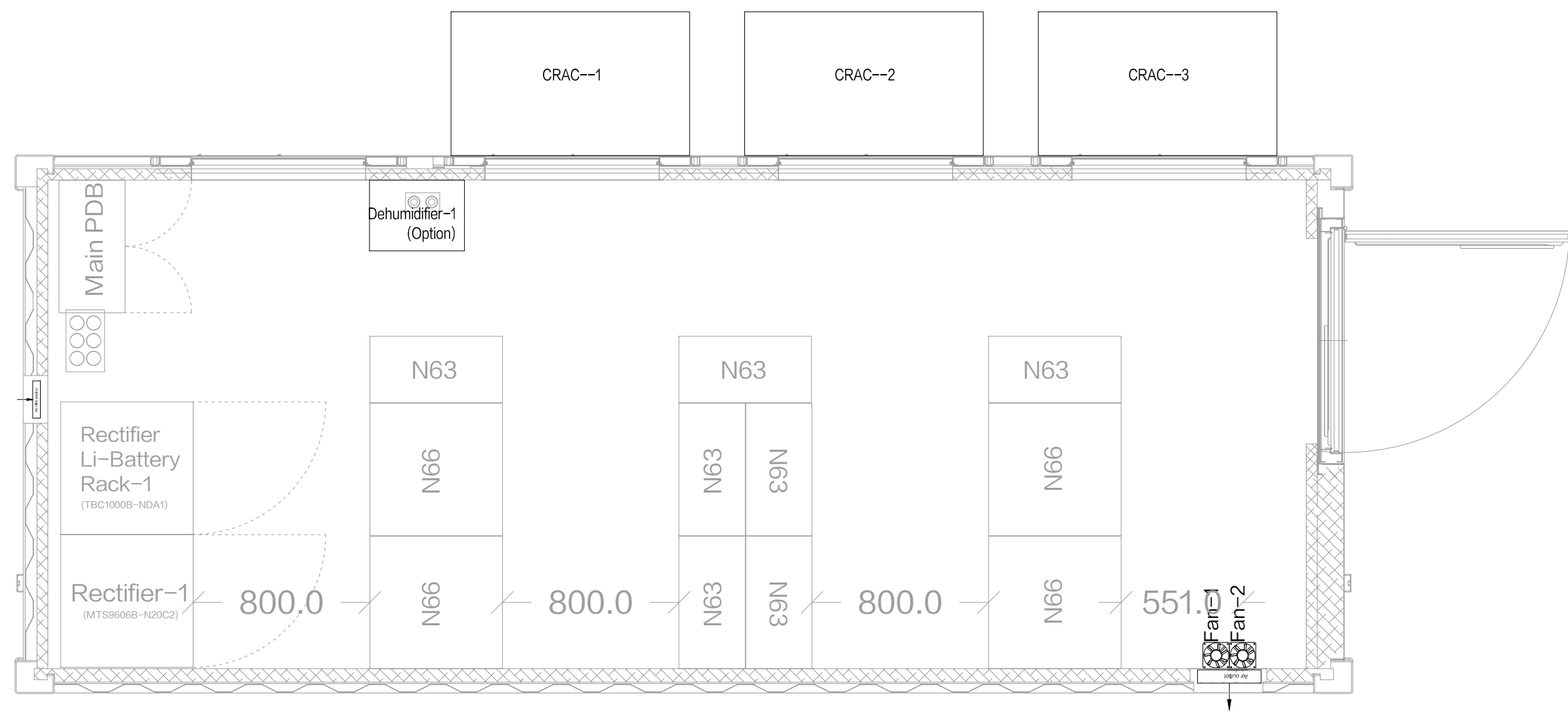
Table 1 Configuration Parameters for Power Supply and Distribution Devices (N+X)				
Device Name	Project Configuration	Quantity	Power Distribution Device Name	Remarks
SMU02C	☒ Involved ☐ Not involved	1	Rectifier-1	
Main PDB	☒ Involved ☐ Not involved	1	Main PDB	
Note: The following device parameters are not all parameters of the devices. Only the parameters that need to be set for the project are listed. Default values will be used for the other parameters so they do not need to be set. To view other device parameters, see the user manual for the corresponding device.				

Component		Rectifier-1					
Category		Parameter		Default Value	Value Range	Setting	Remark
Setting Wizard	Date and Time	Time Zone	/	UTC +08:00 Beijing	/	Set by test or service	
		Date and Time	/	/	/	Set by test or service	
		NTP Enable	/	No	YES/NO	Default value	
	Network Parameters	IP Address	/	192.168.0.10	/	Set this parameter according to the address provided by the network administrator.	
		Subnet Mask	/	255.255.255.0	/	Set this parameter according to the subnet mask provided by the network	
		Default Gateway	/	192.168.0.1	/	Set this parameter according to the gateway address provided by the network	
Parameters Settings	Li Battery	Basic Parameters	Work Mode	/	48V Mode/57V Mode	57V Mode	
	Comm. Parameters	Network Parameters	NetEco Primary IP	192.168.0.10	/	Set an IP address for the active NetEco server.	
			NetEco Port Number	31220	/	Set a port for the NetEco.	
	Serial Port	Northbound	Port Mode	Automatic	/	Manual	
			Protocol Type	M/S Protocol	/	M/S Protocol	
	M/S Protocol	Baud Rate	/	9600	/	9600	
		Comm. Address	/	3	/	3	

Component	Main PDB					
ATS Power Distribution Box Initial Configuration Parameters						
Category	Parameter		Default Value	Value Range	Setting	Remarks
System Configuration	Mains voltage parameters	Rated mains voltage	230	50–500	Default value	
		Main overvoltage alarm threshold	110	105–130	Default value	
		Mains Undervoltage Alarm Threshold	90	70–95	Default value	
		Main overvoltage recovery threshold	2	1–10	Default value	
		Mains Undervoltage Recovery Threshold	2	1–10	Default value	
	Standby voltage parameters	Rated voltage of the standby circuit	230	50–500	Default value	
		Standby overvoltage alarm threshold	110	105–130	Default value	
		Standby Undervoltage Alarm Threshold	90	70–95	Default value	
		Standby overvoltage recovery threshold	2	1–10	Default value	
		Standby Undervoltage Recovery Threshold	2	1–10	Default value	
	Mains frequency setting	Rated mains frequency	50	45–65	Default value	
		Primary overfrequency alarm threshold	105	101–110	Default value	
		Mains underfrequency alarm threshold	95	80–99	Default value	
		Primary overfrequency recovery threshold	2	0.1–5	Default value	
Device Configuration	Mains frequency setting	Mains Underfrequency Recovery Threshold	2	0.1–5	Default value	
	Standby frequency setting	Rated frequency of the standby circuit	50	45–65	Default value	
		Standby overfrequency alarm threshold	105	101–110	Default value	
		Standby Underfrequency Alarm Threshold	95	80–99	Default value	
		Standby overfrequency recovery threshold	2	0.1–5	Default value	
		Standby Underfrequency Recovery Threshold	2	0.1–5	Default value	

Category	Parameter		Default Value	Value Range	Setting	Remarks
Device Configuration	Voltage imbalance alarm	Mains Phase Voltage Unbalance Alarm Threshold	10	5–30	Default value	
		Standby phase voltage imbalance alarm threshold	10	5–30	Default value	
	Delay Setting	Delay in acknowledgment of the mains switchover alarm	5	1–120	Default value	
		Delay for acknowledgment of the standby switchover bifurcation alarm	5	1–120	Default value	
		Dual split mains alarm acknowledgment delay	0	0–120	Default value	
		Delay for acknowledgment of alarms on the standby route in dual-split mode	0	0–120	Default value	
		Manual Mode Contact Status	0	0–2	Default value	
		D.G. stability delay	30	1–1800	Default value	
		D.G. shutdown confirmation delay	10	1–1800	Default value	
	Fault Setting	Fault clearing	1	1	Default value	
		Ontology Type	0	0–1	Default value	
	Power Priority Setting	Power Priority	0	0–1	Default value	
	Current parameter setting	Rated current of route I	250	125–1600	Default value	
		Rated current of route II	250	125–1600	Default value	
		Rated CT transformation ratio of route I	50	50–1600	Default value	
		Rated CT transformation ratio of route II	50	50–1600	Default value	

No.C001 Cooling Device Layout Diagram



No.C002 Smart Cooling Product Teamwork Relationship Diagram

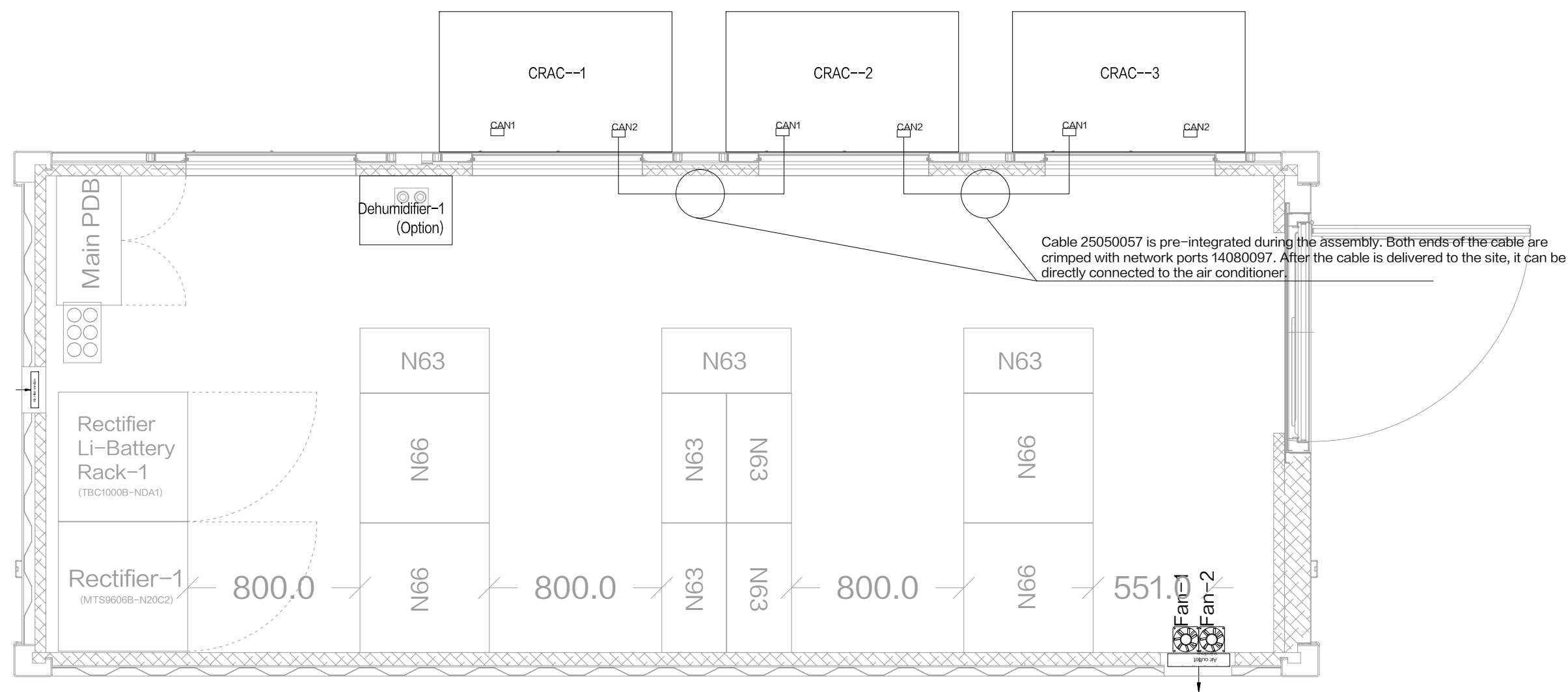


Table 2 Initial Configuration Parameters for Cooling Devices												
Temperature and Humidity Settings for 13.5 kW Integrated Air Conditioner					Teamwork settings for 13.5 kW Integrated Air Conditioner							
Item	Default value	Setting value	Unit	Remarks	Item	Default value	Setting value	Setting value	Setting value	Setting value	Setting value	Unit
Cool SP	25	25	℃	Password change (initial password 0001)	Team	Signal	Team	Team	Team	Team	Team	-
Cool Sens	5	5	℃		Local Addr	1	1	2	3	4	4	-
Heat SP	15	-	℃		Monitor Addr	21	1	2	3	4	4	
Heat Sens	5	-	℃		Model	Auto	Auto	Auto	Auto	Auto	Auto	-
Cool Ctrl Type	Rtn Avg	Rtn Avg	-		MenberQTY	2	4	4	4	4	4	-
Dehum SP	60	-	%		StandbyQTY	1	0	0	0	0	0	-
Dehum Sens	15	-	%		Polling Time	24	24	24	24	24	24	h
Hum SP	35	-	%									
Hum Sens	15	-	%									
FA Min Temp	10	10	℃									
High Temp SP	45	45	℃									
Low Temp SP	15	15	℃									
Rtn High Hum SP	90	90	℃									
Rtn Low Hum SP	10	10	℃									
Sup High Temp SP	35	35	℃									
Sup Low Temp SP	5	5	℃									
Health Mode SP	24	24	℃									
Humidity sp	85	60	%									
Min Diff Temp	4	4	℃									
Min DT DX fault	2	2	℃									

Dehumidifier setting value (Optional)		
Device Type	Dehumidifier No.	Relative humidity setting value
Dehumidifier	Dehumidifier-1	50%

No.M002 Monitoring System Network Diagram

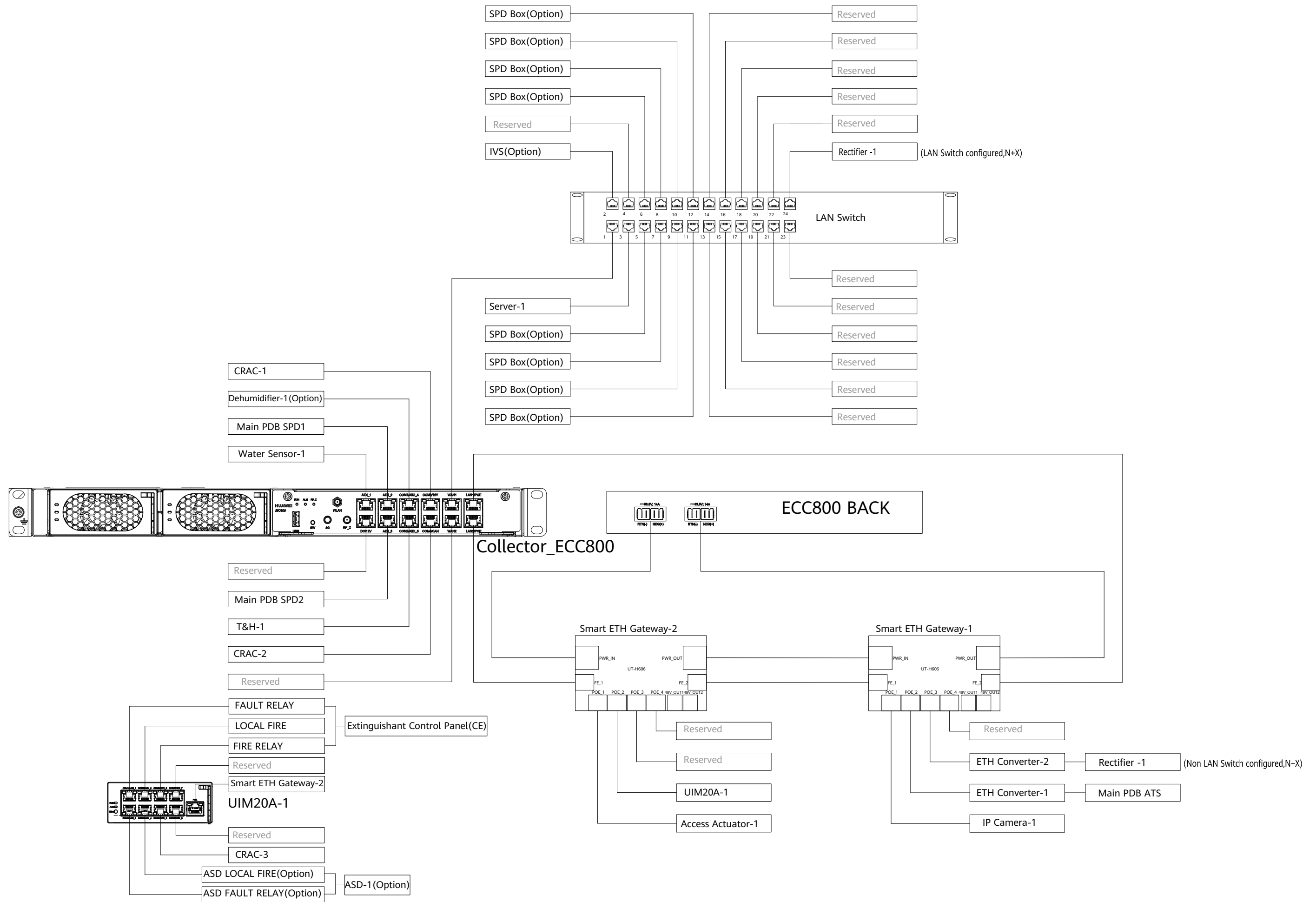


Table 3 Initial Configuration Parameters for the Management System (N+X)

Monitoring Device	Data Type	Device Code	Device Name	Device Model	Device IP Address	Device Address	Alarm Threshold	WebUI User Name and Password	LCD User Name and Password	Port to Upper-Level Device	DDF Transfer Port	Upper-Level Device	Upper-Level Device Port	Remarks
LAN Switch	FE	98010910	LAN Switch (Optional)	S5335-S24P4X	/	/	/	/	/	Port24	/	Customer NMS	/	/
LAN Switch	FE	02313CXJ	Server	2288X V5	https://192.168.9.11	/	/	https://192.168.9.11:31943 User name: admin Password: Huawei@123	/	1 or 2	/	LAN Switch	Port1	1. Server remote management port BMC Original default configuration: IP address of the BMC port: 192.168.2.100 User name: Root Password: Huawei12#\$ Configuration after the system is preinstalled: IP address of the BMC port: 192.168.8.10 User name: Root Password: Changeme_123 2. PowerEcho maintenance tool: IP address of the https://Neteco server: 32804/ User name: admin Password: Changeme_123
LAN Switch	FE	98061227	IVS (Optional)	IVS1800-C08-4T 16CH B	https://192.168.9.12	/	/	https://192.168.9.12:8443 User name: admin Password: Huawei123	/	GE1 or GE2	/	LAN Switch	Port2	https://192.168.3.111:8443 New user name: Test1234 Password: Huawei123 Encoding Bit Rate: 2Mbit/s Number of hard disks: 0
Collector_ECC800	FE	01075337-001	Rectifier-1	MTS9606B-N20C2	https://192.168.9.15	1	/	User name: admin Initial password: Changeme	Initial password: 000001	FE	/	LAN Switch	Port24	LAN Switch configured
Collector_ECC800	FE	02312PYY	Collector_ECC800	ECC800-A1	https://192.168.9.13	/	/	Password: Changeme	/	WAN1	/	LAN Switch(Optional)	Port1	WAN_1: 192.168.8.10 WAN_2: 192.168.0.10 LAN_1, LAN_2: 192.168.248.10 Default Wi-Fi IP address: 192.168.245.10 User name: app Password: Changeme
Collector_ECC800	FE	50100886	Smart ETH Gateway-1	UT-H606	/	/	/	/	/	FE_2	/	Collector_EC C800	LAN1	Not in pure CT scenarios
Collector_ECC800	FE	50100886	Smart ETH Gateway-2	UT-H606	/	/	/	/	/	FE_2	/	Smart ETH Gateway-1	FE_1	/
Collector_ECC800	FE	50100886	Smart ETH Gateway-2	UT-H606	/	/	/	/	/	FE_1	/	Collector_EC C800	LAN2	/
Collector_ECC800	FE	02353BNP	IP Camera-1	C302D-I-P(6mm)	Internet IP address: 192.168.9.14 Intranet IP address: 192.168.248.51	/	/	User name: admin Initial password: Huawei123	/	LAN	/	Smart ETH Gateway-1	POE_1	/
Collector_ECC800	FE	50100887	ETH Converter-1	UT-H6902	/	/	/	/	/	POE	/	Smart ETH Gateway-1	POE_2	/

Monitoring Device	Data Type	Device Code	Device Name	Device Model	Device IP Address	Device Address	Alarm Threshold	WebUI User Name and Password	LCD User Name and Password	Port to Upper-Level Device	DDF Transfer Port	Upper-Level Device	Upper-Level Device Port	Remarks
Collector_ECC800	FE	50100887	ETH Converter-2	UT-H6902	/	/	/	/	/	POE	/	Smart ETH Gateway-1	POE_3	/
Collector_ECC800	FE	52271874	Access Actuator-1	UT-H101	/	/	/	/	/	POE	/	Smart ETH Gateway-2	POE_1	/
Collector_ECC800	FE	02312QAD	UIM20A-1	UIM20	/	/	/	/		POE		Smart ETH Gateway-2	POE_2	/
Collector_ECC800	RS485	52660074	Dehumidifier-1	HT-500	/	1	/	/	/	RJ45	/	Collector_EC C800	COM1	Optional
Collector_ECC800	RS485	33010516	T&H-1	EBTSensor005	/	1	Temperature: ≤ 10℃, ≥ 30℃ Humidity: ≤ 20% RH, ≥ 90% RH (alarm severity: urgent)	/	/	RJ45	/	Collector_EC C800	COM2	Baud rate: 9600 Data bits: 8 Parity check bit: None Stop bit: 1
Collector_ECC800	FE	52273841	CRAC-1	SC15-X2	/	1	/	/	Initial password: 0001	COM_OUT	/	Collector_EC C800	COM3	/
Collector_ECC800	FE	52273841	CRAC-2	SC15-X2	/	2	/	/	Initial password: 0001	COM_OUT	/	Collector_EC C800	COM4	/
Collector_ECC800	FE	52273841	CRAC-3	SC15-X2	/	3	/	/	Initial password: 0001	COM_OUT	/	UIM20A-1	COM6/AI/DI_6	/
Collector_ECC800	FE	52273841	CRAC-4	SC15-X2	/	4	/	/	Initial password: 0001	COM_OUT	/	UIM20A-1	COM8/AI/DI_8	Not in CT-24kW scenarios
Collector_ECC800	RS485	01075337-001	Rectifier-1	MTS9606B-N20C2	/	1	/	User name: admin Initial password: Changeme	Initial password: 000001	IOIO	/	ETH Converter-2	COM1	Non LAN Switch configured
Collector_ECC800	RS485	/	Main PDB ATS	8D	/	1	/	/	Password: 0001	Crimping terminal	/	ETH Converter-1	COM1	/
Collector_ECC800	Dry contact	/	Water Sensor-1	WLDS900	/	/	Normal: closed Alarm: open	/	/	RJ45	/	Collector_EC C800	AIDI_1	/
Collector_ECC800	Dry contact	52250103	FAULT RELAY	SIGMA XT/K11031M2	/	/	Normal: open Alarm: closed	/	/	Crimping terminal	/	UIM20A-1	COM1/AI/DI_1	Extinguishant Control Panel-Fault Alarm
Collector_ECC800	Dry contact		LOCAL FIRE	SIGMA XT/K11031M2	/	/	Normal: open Alarm: closed	/	/	Crimping terminal	/	UIM20A-1	COM3/AI/DI_3	Extinguishant Control Panel-Gas Release Alarm
Collector_ECC800	Dry contact		FIRE RELAY	SIGMA XT/K11031M2	/	/	Normal: open Alarm: closed	/	/	Crimping terminal	/	UIM20A-1	COM5/AI/DI_5	Extinguishant Control Panel-Fire Alarm Linkage of Fire&ACS: FIRE RELAY(Fire Alarm)linkage Access Actuator-1 releasing
Collector_ECC800	Dry contact	52250216	ASD LOCAL FIRE	ASD531	/	/	Normal: open Alarm: closed	/	/	Crimping terminal	/	UIM20A-1	COM1/AI/DI_2	Optional, ASD-1
Collector_ECC800	Dry contact		ASD FAULT RELAY		/	/	Normal: open Alarm: closed	/	/	Crimping terminal	/	UIM20A-1	COM3/AI/DI_4	
Collector_ECC800	Dry contact	/	Main PDB SPD1	/	/	/	Normal: closed Alarm: open	/	/	Crimping terminal	/	Collector_EC C800	AI/DI_2	/
Collector_ECC800	Dry contact	/	Main PDB SPD2	/	/	/	Normal: closed Alarm: open	/	/	Crimping terminal	/	Collector_EC C800	AI/DI_3	/

Remarks:	After a camera is commissioned, label the camera with its name and IP address.
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Remarks:	Camera commissioning guide (connecting to smart ETH gateway): Choose Log In to the ECC800 > System Settings > Video Management to view the IP address automatically allocated to the camera. Connect the PC to the ECC800 LAN port or PoE port of the ETH gateway. You can use the IP address to access the camera on the web page and configure an internal IP address. Camera commissioning guide (connecting to LAN Switch): Use the NetEco to view the IP address automatically allocated to the camera. Use the IP address to access the camera on the web page and configure an internal IP address for the camera. After the camera is commissioned, mark the camera name and internal and external IP addresses on the camera.
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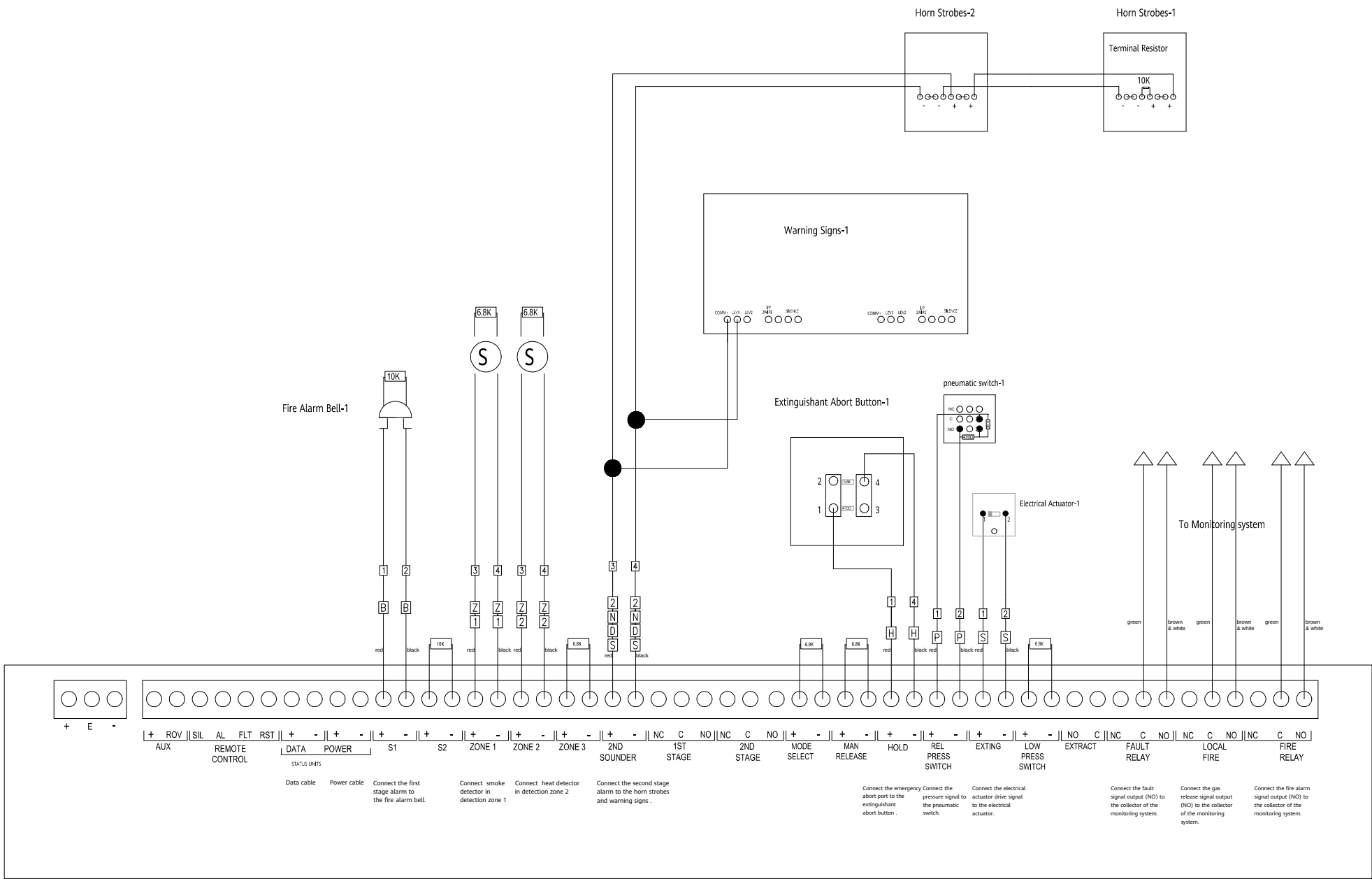
Remarks:	Camera commissioning (connecting to a smart ETH gateway):
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Optional functions of the NetEco software			
No.	Function	Configured or Not	Required or Not
1	Client authorization	No	No
2	Work order management	No	No
3	Energy efficiency management	No	No
4	Northbound SNMP interface for alarms	No	No
5	Northbound SNMP interface for performance data	No	No
6	Capacity management	No	No
7	Mobile app O&M	No	No
8	GSM modem function	No	No

No.F001 Fire Extinguishing Device Layout Diagram

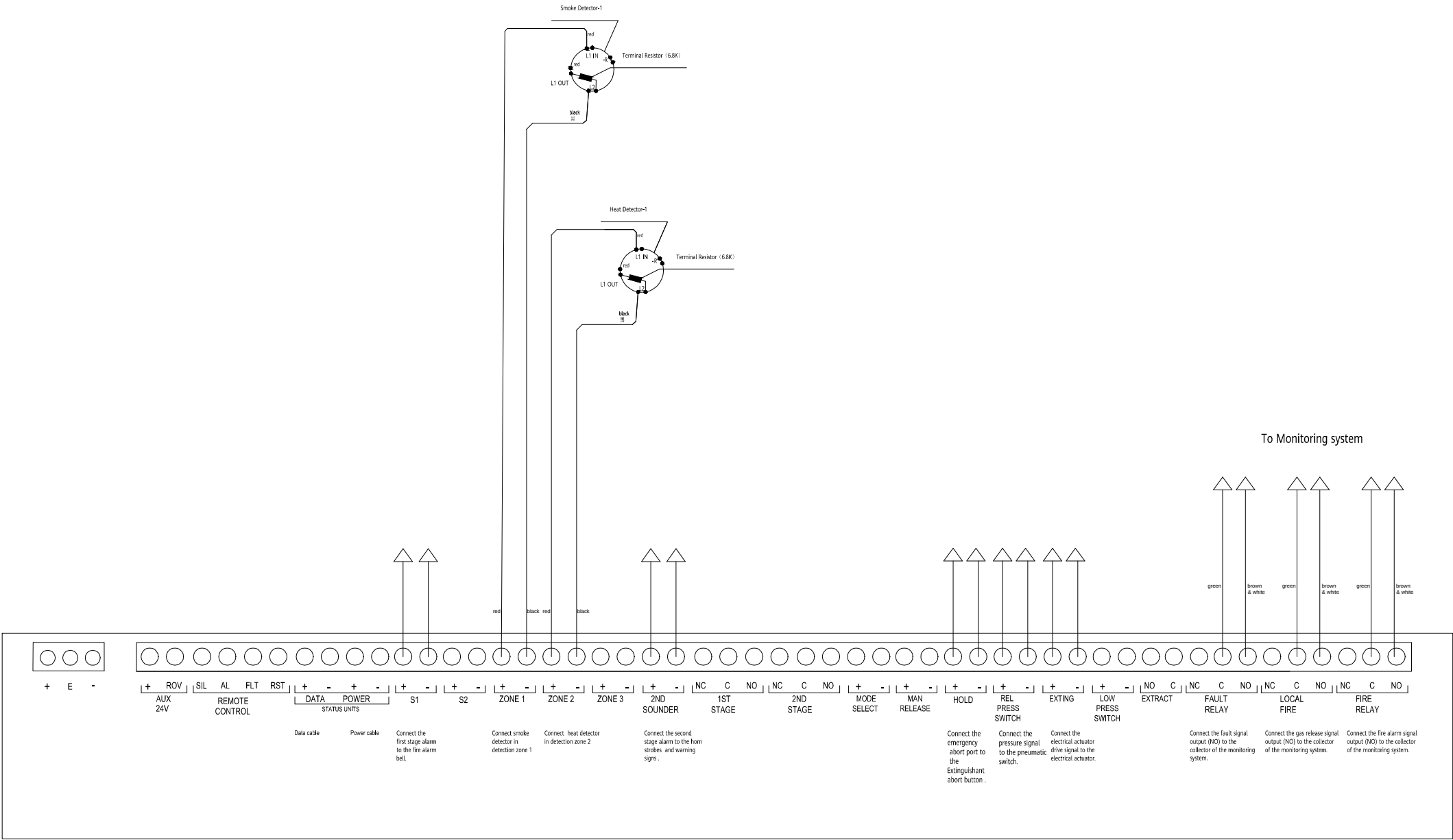


No.F002 Fire Extinguishing System Conceptual Diagram 1



- Technical requirements:
1. All fire extinguishing signal cables are red (BOM number: 25030029) and black (BOM number: 25030073) cables with naked crimping single-wire cord end terminals (BOM number: 14170214). The red cable is positive and the black cable is negative. The pneumatic switch, Warning signs, and fire alarm bell each has two wiring terminals that connect to two wires. The fire alarm bell is polarity insensitive. For details, see the diagram.
 2. Connect a 10K terminal resistor to each of the last the fire alarm sounder and fire alarm horn/strobe in parallel.
 3. Connect cables to the smoke detector and heat detector by referring to the diagram. Connect a 6.8 K terminal resistor to the last smoke and heat detectors in parallel.
 4. Connect the emergency abort button and pneumatic switch to a 6.8 K terminal resistor in parallel, and to a 470 ohm resistor in serial.
 5. Alarm signals are reported to the monitoring system over shielded straight-through network cables. The connection definitions are as follows: LOCAL FIRE, FIRE RELAY, and FAULT RELAY. The signal cables connect to the ECC over dry contacts.
 6. Attach cable labels to all cables connected to the extinguishant control panel and wiring terminals on electrical actuators and pneumatic switches. See the label table for the label content. Cable direction labels must be arranged neatly in the same direction. Cables must be bound neatly, with cable ties in the same direction. (Labels are printed on label paper with the BOM number 29041061, attached on cable ties with the BOM number 21200708, and bound to corresponding cables.)

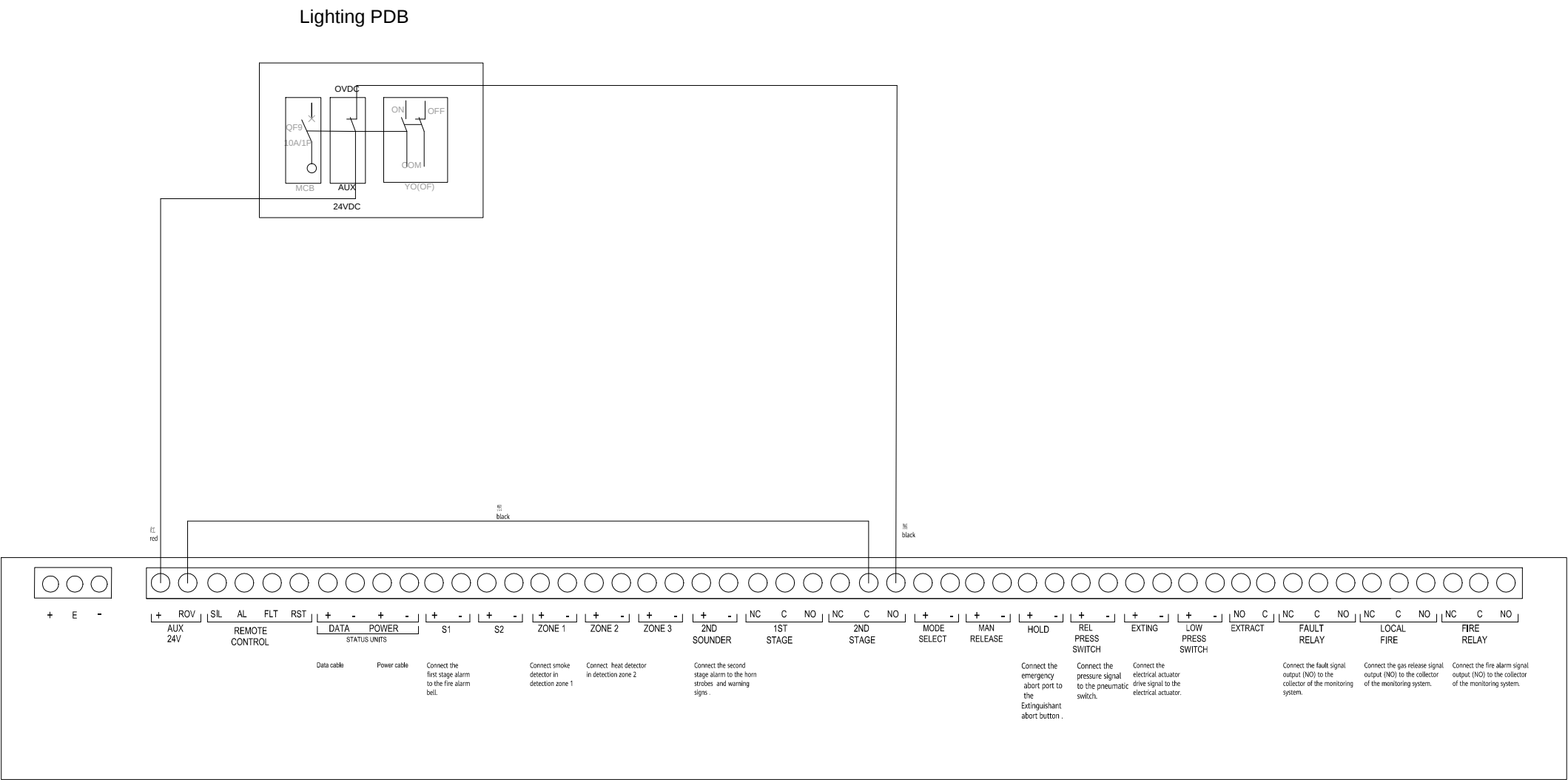
No.F002 Fire Extinguishing System Conceptual Diagram 2



Technical requirements:

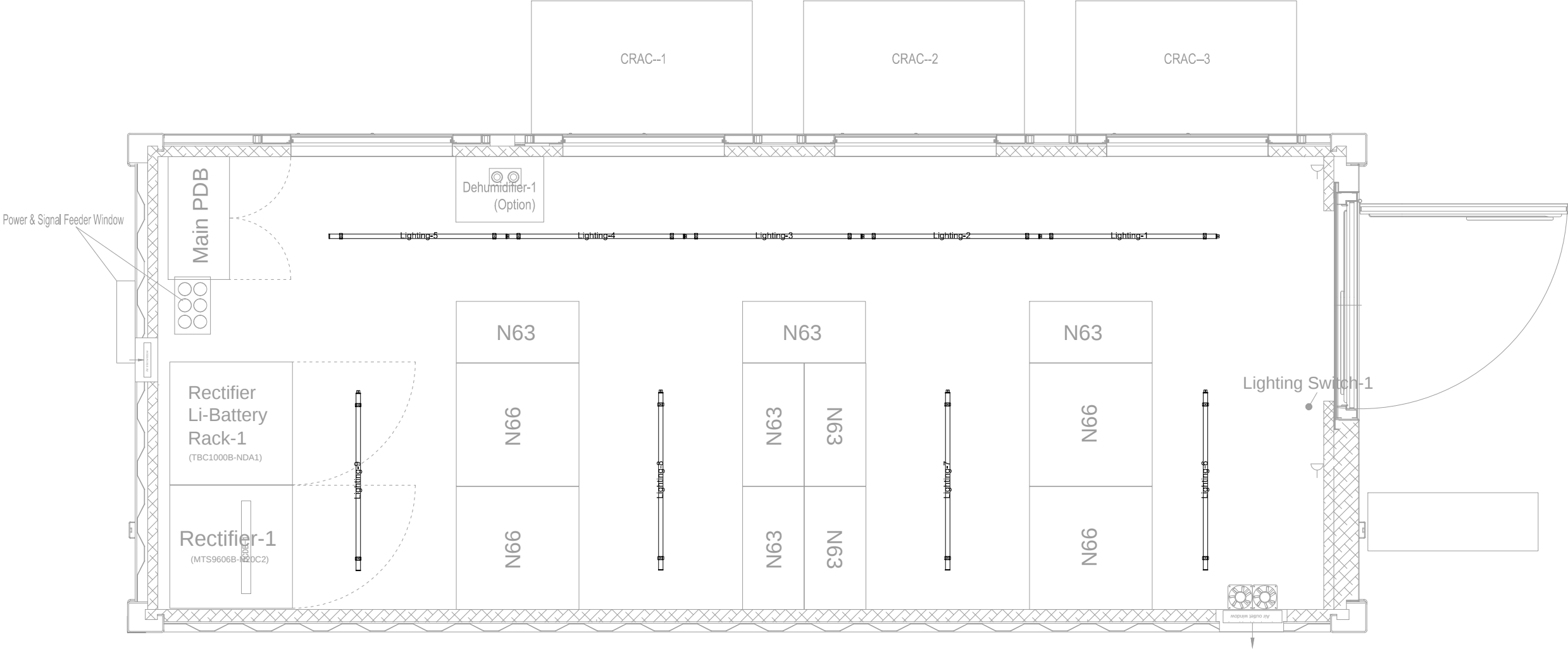
1. All fire extinguishing signal cables are red (BOM number: 25030029) and black (BOM number: 25030073) cables with naked crimping single-wire cord end terminals (BOM number: 14170214). The red cable is positive and the black cable is negative. The pneumatic switch, Warning signs, and fire alarm bell each has two wiring terminals that connect to two wires. The fire alarm bell is polarity insensitive. For details, see the diagram.
2. Connect a 10K terminal resistor to each of the last the fire alarm sounder and fire alarm horn/strobe in parallel.
3. Connect cables to the smoke detector and heat detector by referring to the diagram. Connect a 6.8 K terminal resistor to the last smoke and heat detectors in parallel.
4. Connect the emergency abort button and pneumatic switch to a 6.8 K terminal resistor in parallel, and to a 470 ohm resistor in serial.
5. Alarm signals are reported to the monitoring system over shielded straight-through network cables. The connection definitions are as follows: LOCAL FIRE, FIRE RELAY, and FAULT RELAY. The signal cables connect to the ECC over dry contacts.
6. Attach cable labels to all cables connected to the extinguishant control panel and wiring terminals on electrical actuators and pneumatic switches. See the label table for the label content. Cable direction labels must be arranged neatly in the same direction. Cables must be bound neatly, with cable ties in the same direction. (Labels are printed on label paper with the BOM number 29041061, attached on cable ties with the BOM number 21200708, and bound to corresponding cables.)

No.F002 Fire Extinguishing System Conceptual Diagram 3



- Technical requirements:
1. All fire extinguishing signal cables are red (BOM number: 25030029) and black (BOM number: 25030073) cables with naked crimping single-wire cord end terminals (BOM number: 14170214). The red cable is positive and the black cable is negative. The pneumatic switch, Warning signs, and fire alarm bell each has two wiring terminals that connect to two wires. The fire alarm bell is polarity insensitive. For details, see the diagram.
 2. Connect a 10K terminal resistor to each of the last the fire alarm sounder and fire alarm horn/strobe in parallel.
 3. Connect cables to the smoke detector and heat detector by referring to the diagram. Connect a 6.8 K terminal resistor to the last smoke and heat detectors in parallel.
 4. Connect the emergency abort button and pneumatic switch to a 6.8 K terminal resistor in parallel, and to a 470 ohm resistor in serial.
 5. Alarm signals are reported to the monitoring system over shielded straight-through network cables. The connection definitions are as follows: LOCAL FIRE, FIRE RELAY, and FAULT RELAY. The signal cables connect to the ECC over dry contacts.
 6. Attach cable labels to all cables connected to the extinguishant control panel and wiring terminals on electrical actuators and pneumatic switches. See the label table for the label content. Cable direction labels must be arranged neatly in the same direction. Cables must be bound neatly, with cable ties in the same direction. (Labels are printed on label paper with the BOM number 29041061, attached on cable ties with the BOM number 21200708, and bound to corresponding cables.)

No.L001 Lighting Device Layout Diagram



No.F003 Emergency Exit Diagram

