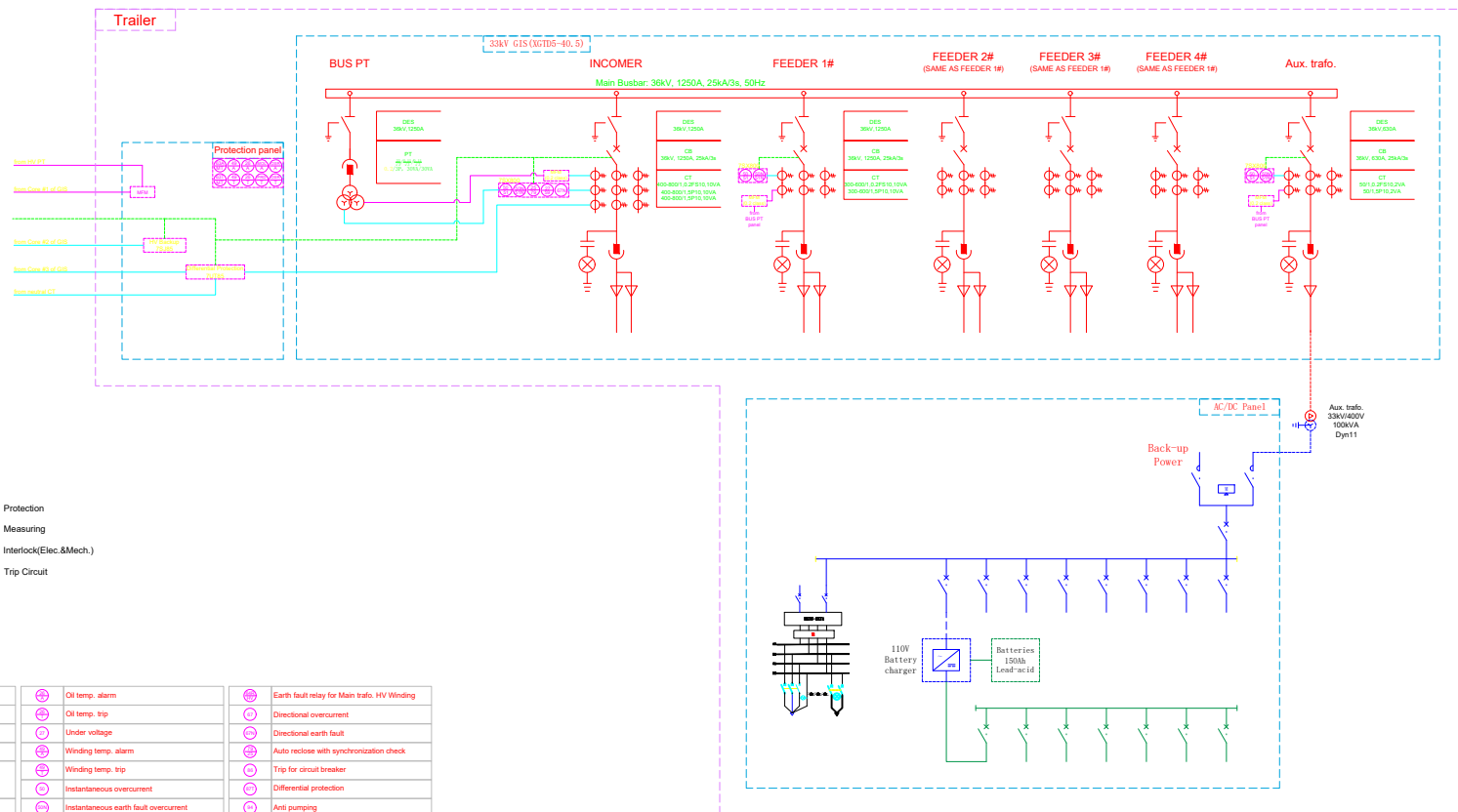




110kV
 33kV
 400V
 DC110V

Protection
 Measuring
 Interlock(Elec.&Mech.)
 Trip Circuit

	CB, Circuit Breaker		Oil temp. alarm		Earth fault relay for Main trafo. HV Winding
	DES, Disconnector with earth switch		Oil temp. trip		Directional overcurrent
	LA, Lightning arrester		Under voltage		Directional earth fault
	Live display		Winding temp. alarm		Auto reclose with synchronization check
	Main transformer / Earthing transformer		Winding temp. trip		Trip for circuit breaker
	Current transformer(CT)		Instantaneous overcurrent		Differential protection
	Voltage transformer(VT)		Instantaneous earth fault overcurrent		Anti pumping
	Multi-function meter(V,A,kWh,kW,kVar)		Non-directional overcurrent		OLTC alarm
			Non-directional earth fault overcurrent		OLTC trip
			Standby earth fault		Pressure relief device trip
			Buchholz alarm relay for Main TRAFO.		Magnetic oil level alarm
			Buchholz trip relay for Main TRAFO.		



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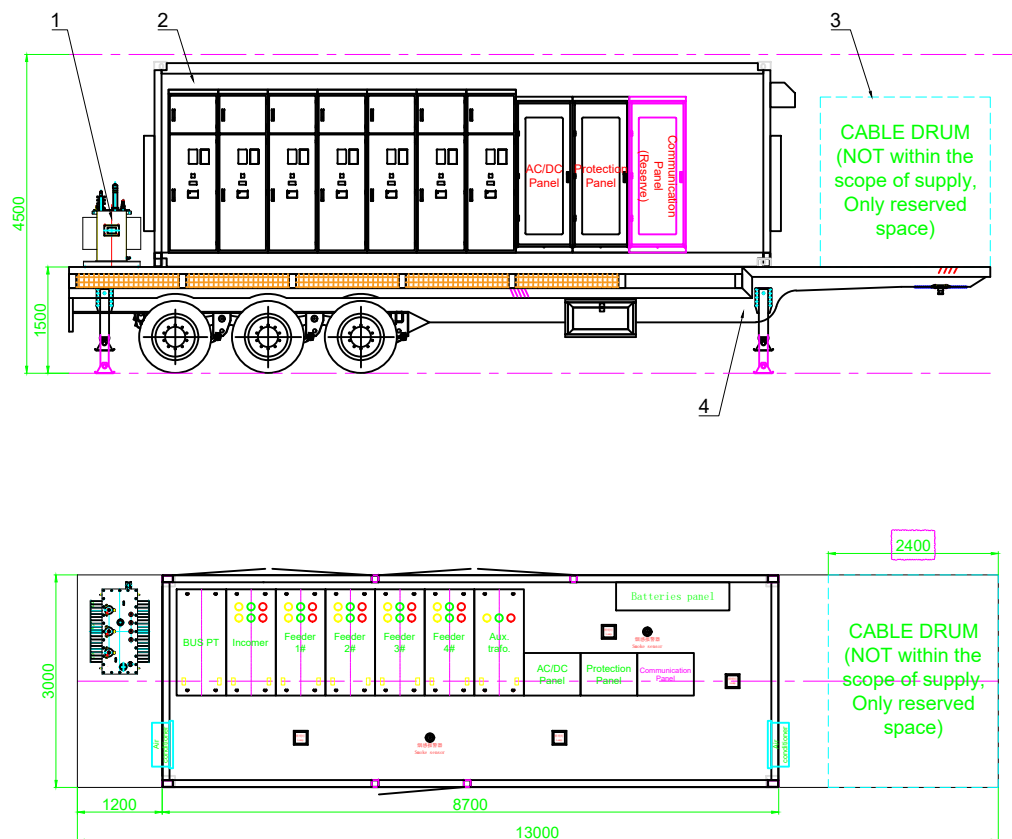
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文件编号 Document Number	WL-M/N-DQ2101	项目名称 Project Name		审核 Checked	
单位 Unit	mm	产品型号 Product Model	Mobile substation	核准 Approval	Sim. xu
绘制日期 Drawing Date	17/Apr/2026	工程图号 Drawing Number		比例 Scale	1:1
邮箱 Mail : sales@wuliansee.com		MB版本	V02.2106	Pagination	1/10



Note:

1. This project is a renovation project. Only medium-voltage switch cabinets, auxiliary transformers, AC/DC screens, protection screens, air conditioners, etc. are provided. The communication screen is reserved. High-voltage switches, main transformers, etc. are arranged on the same semi-trailer and utilize the equipment from the original project, so no provision is needed.
2. According to the main transformer parameters (110/33kV, 40MVA), the rated current on the secondary side is 699.82A. The rated current of the incoming line cabinet is designed at 1250A, and the requirement of 2500A is overly generous. The busbar current is also designed at 1250A.
3. In this scheme, the medium-voltage cabinets' incoming and outgoing lines adopt the external cone bushing solution. T-type cable heads are provided, but the connection cables from the incoming line cabinet to the main transformer are not provided. The protection screen provides the main transformer differential protection microcomputer (7UT85), high backup protection microcomputer (7SJ85), AVR controller (retained from the original project). The cables between the AC/DC panel, protection panels, LV control cable, MV power cable, etc. and the main transformer's on-board control cabinet are not provided.
5. The battery cabinet uses lead-acid batteries (150Ah, DC110V) and provides a DC110V to DC24V module.
6. The container is equipped with 2 smoke detectors, 2 temperature controllers, 1 buzzer alarm, and 2 industrial air conditioners (with a cooling capacity of 5kW).
7. The semi-trailer adopts mechanical leaf spring suspension.



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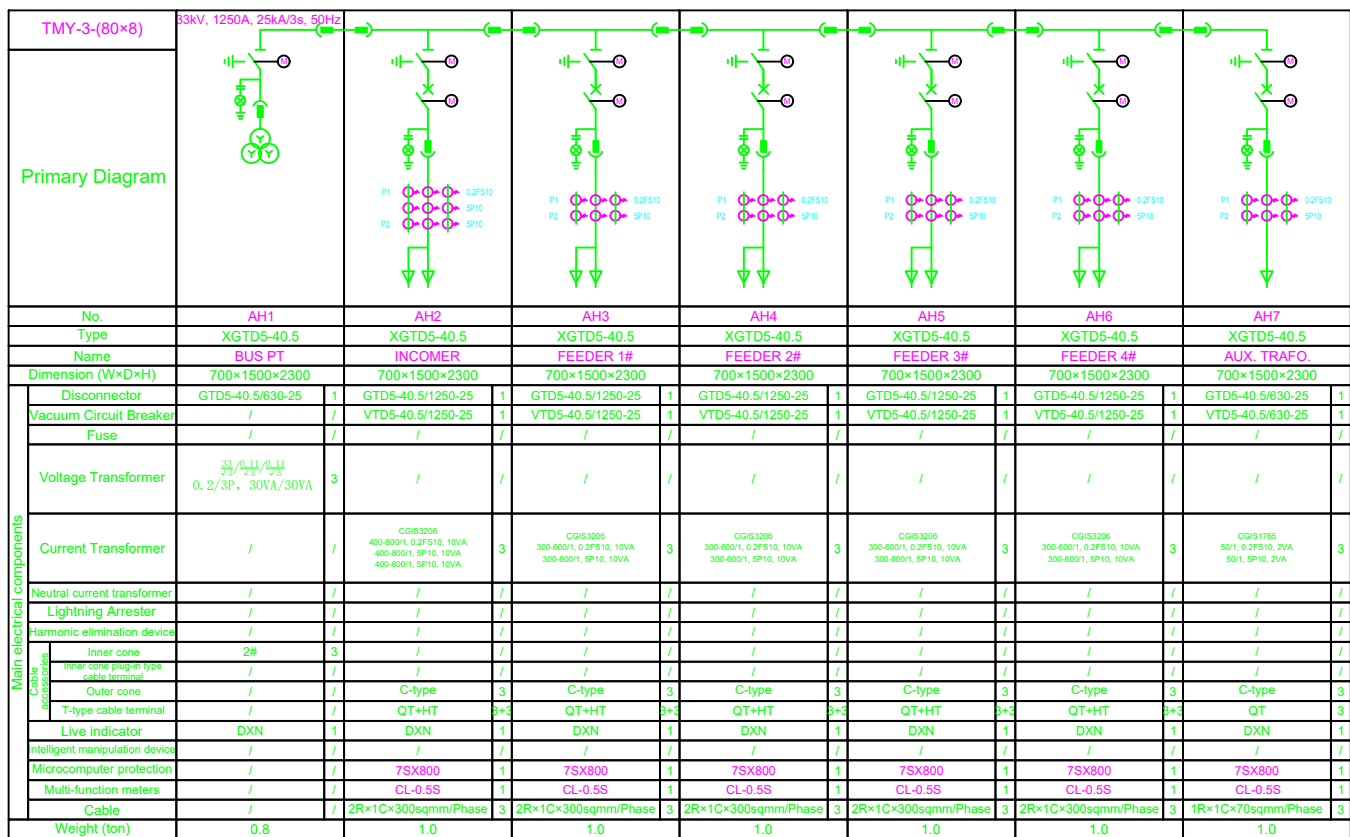
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项目名称
Project Name

审核
Checked

单位
Unit

mm

产品型号
Product Model

Mobile substation

核准
Approval

Sim. xu

绘制日期
Drawing Date

17/Apr/2026

工程图号
Drawing Number

比例
Scale

1:1

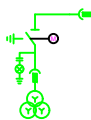
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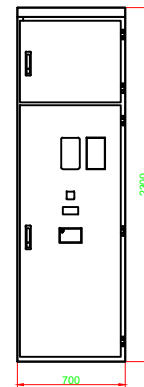
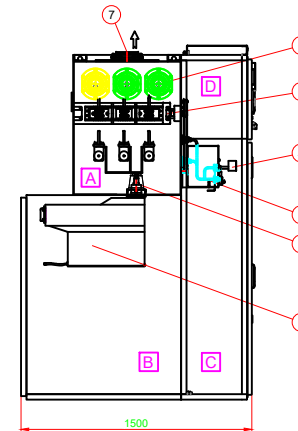
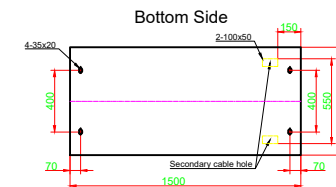
MB版本

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TMY-3-(80×8)	
Primary Diagram	
	
No.	AH1
Type	XGDS-40.5
Name	BUS PT
Dimension (W×D×H)	700×1500×2300
Disconnector	GTD5-40.5/630-25
Vacuum Circuit Breaker	/
Fuse	/
Voltage Transformer	0.2/3P, 30VA/30VA
Current Transformer	/
Neutral current transformer	/
Lightning Arrester	/
Harmonic elimination device	/
Inner cone	2#
Inner cone plug-in type	/
Outer cone	/
T-type cable terminal	/
Live indicator	DXN
Intelligent manipulation device	/
Microcomputer protection	/
Multi-function meters	/
Cable	/
Weight (ton)	0.8



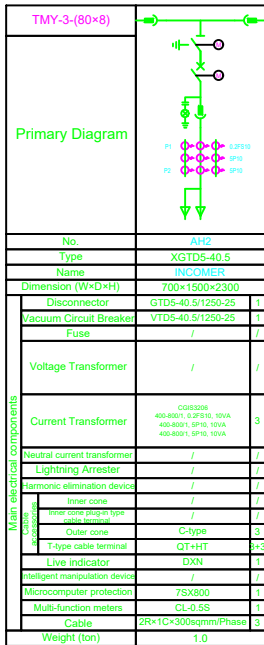
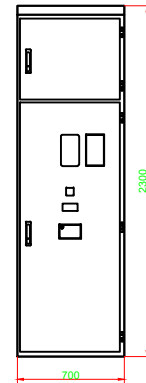
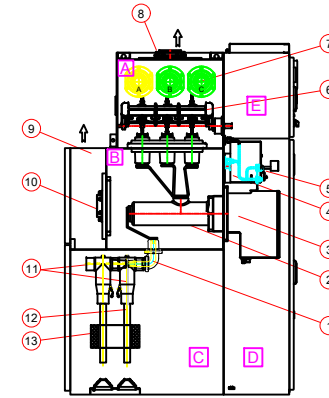
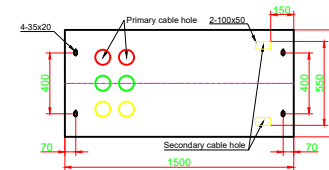
7	PRESSURE RELEASE DEVICE FOR BUSBAR COMPARTMENT
6	BUSBAR & INNER CONE SOCKET
5	3-POSITION DISCONNECTING & EARTHING SWITCH
4	PRESSURE GAUGE
3	3-POSITION SWITCH OPERATING MECHANISM
2	SIZE 2 INNER CONE SOCKET
1	VOLTAGE TRANSFORMER (WITHOUT FUSE)
ITEM	DESCRIPTION

D	LOW VOLTAGE COMPARTMENT
C	MECHANISM COMPARTMENT
B	PT COMPARTMENT
A	BUSBAR & 3-POSITION ISOLATING SWITCH COMPARTMENT
ITEM	DESCRIPTION

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	文件编号 Document Number	WL-M/N-DQ2101	项目名称 Project Name		审核 Checked	
	单位 Unit	mm	产品型号 Product Model	Mobile substation	核准 Approval	Sim. xu
	绘制日期 Drawing Date	17/Apr/2026	工程图号 Drawing Number		比例 Scale	1:1
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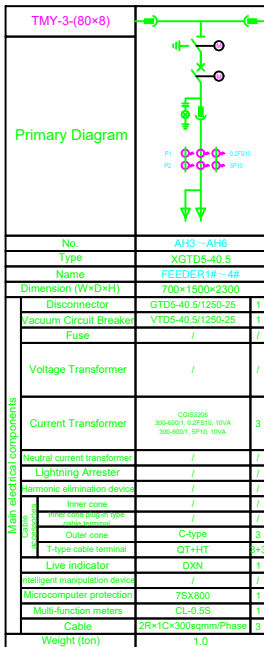
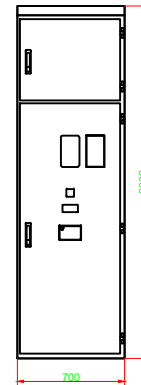
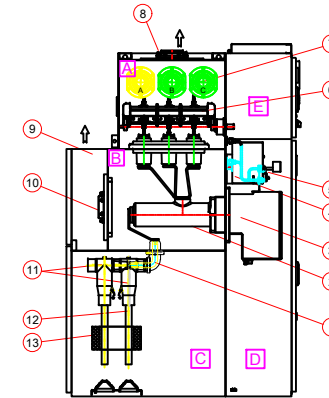
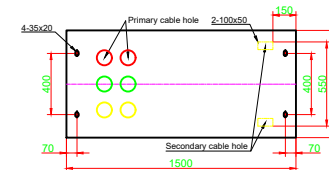
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13	CURRENT TRANSFORMER
12	CABLE (NOT within the scope of supply)
11	CABLE TERMINAL (T-TYPE)
10	PRESSURE RELEASE DEVICE FOR BREAKER COMPARTMENT
9	PRESSURE RELIEF CHANNEL
8	PRESSURE RELEASE DEVICE FOR BUSBAR COMPARTMENT
7	BUSBAR & INNER CONE SOCKET
6	3-POSITION DISCONNECTING & EARTHING SWITCH
5	PRESSURE GAUGE
4	3-POSITION SWITCH OPERATING MECHANISM
3	VCB SPRING OPERATING MECHANISM
2	VACUUM CIRCUIT BREAKER
ITEM	DESCRIPTION

1	C-TYPE OUTER CONE BUSHING
E	LOW VOLTAGE COMPARTMENT
D	MECHANISM COMPARTMENT
C	CABLE COMPARTMENT
B	CIRCUIT BREAKER GAS COMPARTMENT
A	BUSBAR & 3-POSITION ISOLATING SWITCH COMPARTMENT
ITEM	DESCRIPTION

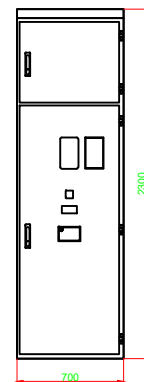
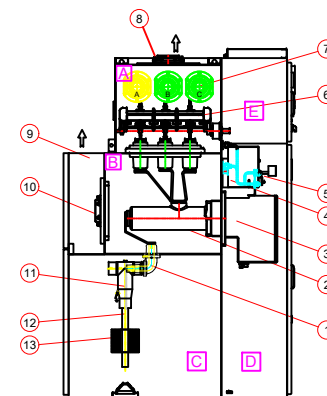
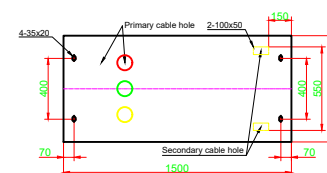
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	文件编号 Document Number	WL-M/N-DQ2101	项目名称 Project Name		审核 Checked	
	单位 Unit	mm	产品型号 Product Model	Mobile substation	核准 Approval	Sim. xu
	绘制日期 Drawing Date	17/Apr/2026	工程图号 Drawing Number		比例 Scale	1:1
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13	CURRENT TRANSFORMER
12	CABLE (NOT within the scope of supply)
11	CABLE TERMINAL (T-TYPE)
10	PRESSURE RELEASE DEVICE FOR BREAKER COMPARTMENT
9	PRESSURE RELIEF CHANNEL
8	PRESSURE RELEASE DEVICE FOR BUSBAR COMPARTMENT
7	BUSBAR & INNER CONE SOCKET
6	3-POSITION DISCONNECTING & EARTHING SWITCH
5	PRESSURE GAUGE
4	3-POSITION SWITCH OPERATING MECHANISM
3	VCB SPRING OPERATING MECHANISM
2	VACUUM CIRCUIT BREAKER
ITEM	DESCRIPTION

1	C-TYPE OUTER CONE BUSHING
E	LOW VOLTAGE COMPARTMENT
D	MECHANISM COMPARTMENT
C	CABLE COMPARTMENT
B	CIRCUIT BREAKER GAS COMPARTMENT
A	BUSBAR & 3-POSITION ISOLATING SWITCH COMPARTMENT
ITEM	DESCRIPTION

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			文件编号 Document Number	WL-M/N-DQ2101	项目名称 Project Name		审核 Checked				
			单位 Unit	mm	产品型号 Product Model	Mobile substation	核准 Approval	Sim. xu			
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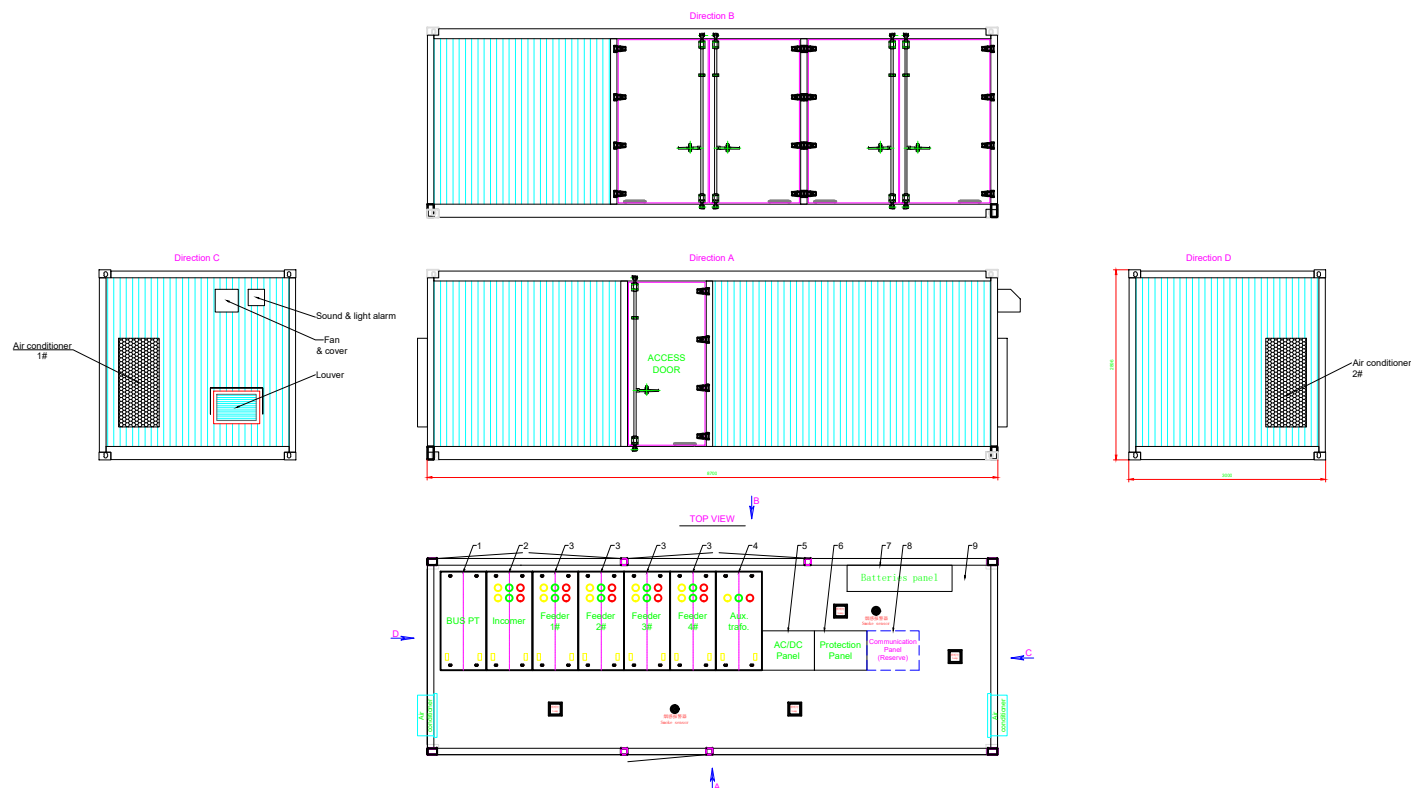


1	C-TYPE OUTER CONE BUSHING
E	LOW VOLTAGE COMPARTMENT
D	MECHANISM COMPARTMENT
C	CABLE COMPARTMENT
B	CIRCUIT BREAKER GAS COMPARTMENT
A	BUSBAR & 3-POSITION ISOLATING SWITCH COMPARTMENT
ITEM	DESCRIPTION



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	CONTAINER	L×W×H: 8700mm×3000mm×2896mm	1	
	COMMUNICATION PANEL (RESERVED)	—	—	NOT within the scope of supply
	BATTERIES PANEL	—	1	
	PROTECTION PANEL	—	1	
	AC/DC PANEL	—	1	
	AUX. TRAF. PANEL	W×D×H: 700mm×1500mm×2300mm	1	Details see page 7
	FEEDER PANEL	W×D×H: 700mm×1500mm×2300mm	4	Details see page 6
	INCOMER PANEL	W×D×H: 700mm×1500mm×2300mm	1	Details see page 5
	BUS PT PANEL	W×D×H: 700mm×1500mm×2300mm	1	Details see page 4
No.	Component Name	Type & Specification	Qty.	Note



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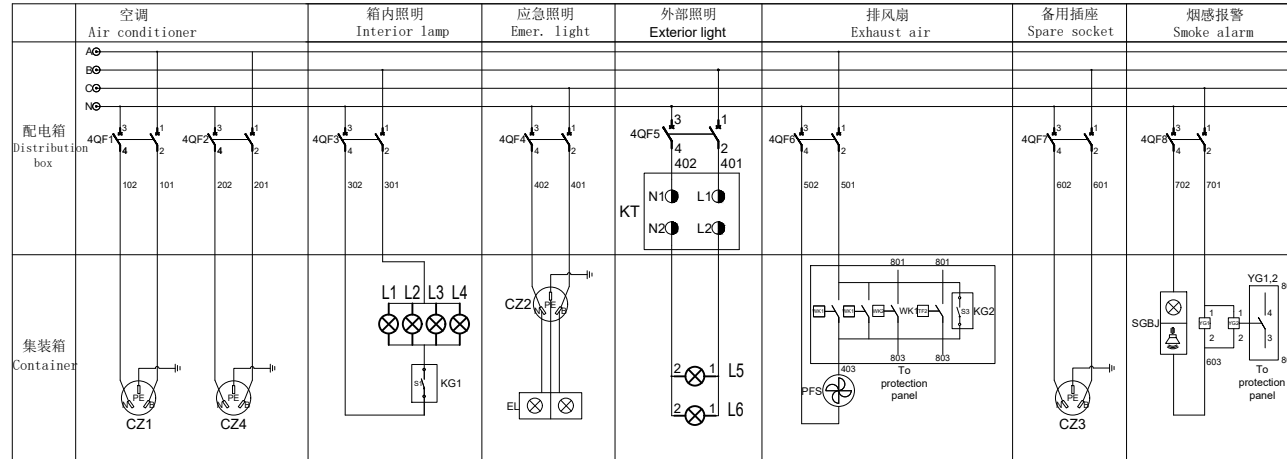
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1	4QF1-7	Miniature circuit breaker 微型断路器	7
2	CZ1-CZ3	Socket(GB) 插座(GB)	3
3	L1-L4	Lamp 照明灯	4
4	KG1	Lamp switch 照明开关	1
5	PFS	Fan 风机	1
6	YG1,YG2	Smoke sensor 烟感	2
7	SGBJ	Sound and light alarm device 声光报警装置	1
8	KG2	Fan switch 风机开关	1
9	WK1,WK2	Temperature sensor 温控传感器	2
10	EL	Emergency light 应急灯	1
11	L5-L6	Exterior light 外部照明灯	2
NO.	Code	Name	Qty.



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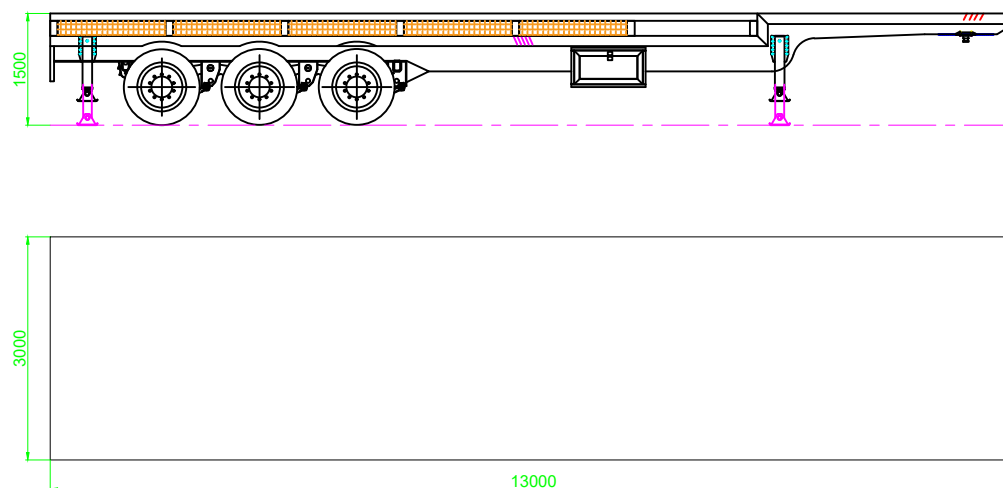
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Note:
 1、The semi-trailer is equipped with leaf spring suspension.
 2、The drawing for the cable drum mounting base shall be provided by the customer.

Name	3-axle 30-ton flatbed semi-trailer
Dimensions	13000×3000×1500mm
design load	30000kg
Girder	Q235B
Baseplate	Q235B, 5mm, checkered plate
wheel axle	13tons×3
Number of leaves	10 pieces per leaf spring
Outrigger	Mechanical , 28tons×4pcs
Towing pin	90#(Φ90mm)/50#(Φ50mm) , changeable type
Tyres	11.00R20×12pcs
Light	Rear part, Brake, Reverse, Directional, 10 Side lights (5 on each side)
Paint	Red , plastic powder baking paint
spare tire carrier	1pcs
Tool box	1pcs



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文件编号 Document Number	WL-M/N-DQ2101	项目名称 Project Name		审核 Checked	
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