GIANT ELECTRIC



Outdoor Prefabricated Substation

YB27-12/0.4

Zhejiang Zhegui Electric Co.,Ltd



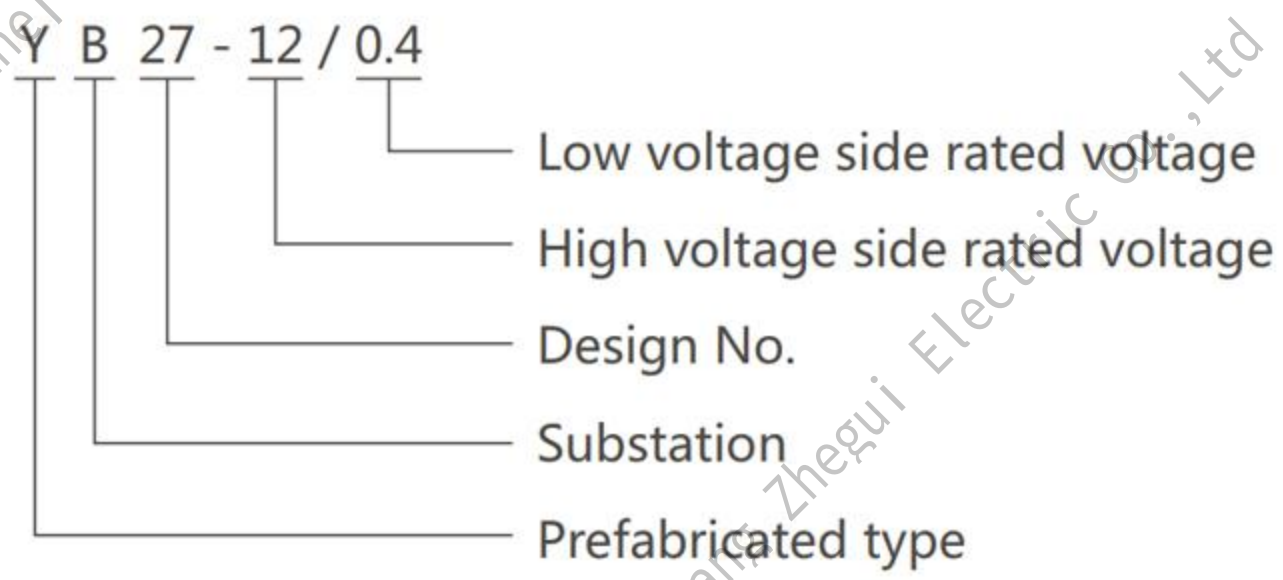
General

1.Rating: Rated voltage : HV equipment10KV and 12KV, LV equipment 0.4 KV.Rated current :HV equipment 630A, LV equipment 1500A.

2.Application: YB27 series substation is American type combined substation withfunction of high voltage control, protect, power transformation and distribution.Usually used in urban and rural power distribution system .The high voltage loadswitch and high voltage fuse of this product are installed in the oil of thetransformer, with the two structure: in same case with the transformer and indifferent case with transformer. It can be used in high-rise buildings, building inurban and rural areas, residential communities ,high-tech development areas,small and medium size factories, mining areas, oil fields, temporary constructionsites, and other premises.

3.Standard: IEC1330

Type designation



Working Conditions

1.Ambient air temperature: -30℃~+40℃

2.Altitude: ⩽1000m

3.Wind speed:34m/s ⩽700pa

4.Relative humidity: Daily average relative humidity⩽95%.Monthly average relative humidity⩽95%.

5.Installation inclination:⩽grade 8 .

6.Applicable in the places without corrosive and flammable gas.

Note: Customized products are available.

Product advantage

1. Compact structure with small volume, the volume is 1/3-1/5 of European style substation in same capacity. It reduce the floor space efficiently

2. Whole sealing and full insulated structure ,no need insulation distance. This can protect personal safety

3. High voltage wiring can used both in looped network and terminal with high reliability and flexibility.

4. The transformer is with excellence performance, low loss, low Noise, low emperature rise, high overload capacity, strong impact resistant ability and high anti-short circuit capacity

5. Cable head with two type: 200A elbow connector and 600A "T" type fixed cable connector. Both can equiped with all insulated ZnO lightning conductor. 200A elbow connector can use with load plug and with the function of insulation switch.

Main technical parameter

1.Rated voltage: 10kV/0.4Kk

2.High voltage side rated voltage: 10kV

3.High voltage side max voltage: 12kV

4.Low voltage side rated voltage: 0.4kV

5.Rated frequency: 50Hz

6.High voltage switch thermal stability capacity: 20kA/26

7.Low voltage main circuit breaker rated short circuit breaker capacity: 35kA

8.Low voltage output circuit breaker rated short circuit breaker capacity: 35kA

9.High voltage load switch transfer current: 1500A

10. Selection of neutral earthing bus

Rated voltage(kV)	10			0.4
	Tran sformer	Switch to groundand in terphase	Switch isolation between fracture	
Power frequency withstand voltage(kV)	35	42	48	2.5
The peak impact resista nce(kv)	75	75	85	-

11.Noise level: 50dB

12.Box shell protection grade: Not less than IP3X

Dimension

YB27-12/0.4 prefabricated substation standard type dimension

	Capacity (kVA)	A	B	C	D	E	F	H
Standard type	100-250	1900	1650	1250	650/800	600	1410/1560	1450
	315	1900	1650	1350	650/800	650	1460/1610	1450
	400-500	1900	1750	1450	650/800	650	1490/1640	1550
	630	1900	1750	1550	650/800	700	1580/1730	1550
	800	1900	1850	1550	650/800	700	1640/1790	1650
	1000	1900	1850	1650	650/800	700	1640/1790	1650

YB27-12/0.4 prefabricated substation extra-strength type dimension

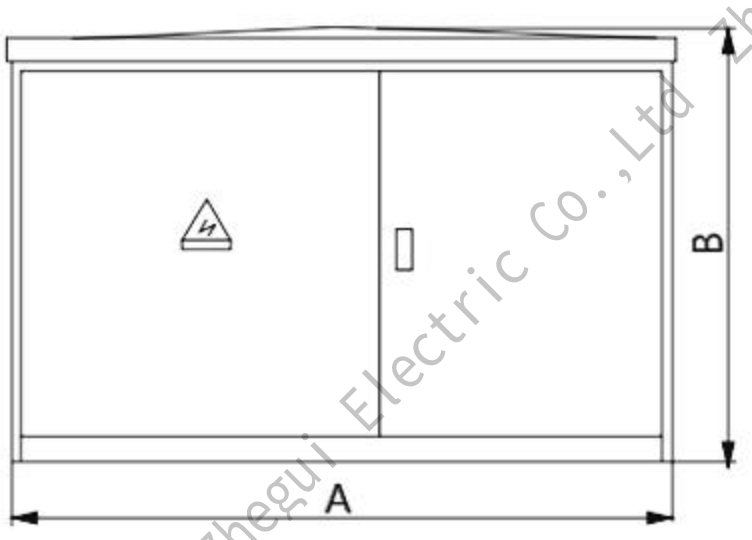
	Capacity (kVA)	A	B	C	D	E	F	H
Extra Strength	100-250	2400	1650	1250	800	600	1560	1450
	315	2400	1650	1350	800	650	1610	1450
	400-500	2400	1750	1450	800	650	1640	1550
	630	2400	1750	1550	800	700	1730	1550
	800	2400	1850	1550	800	700	1790	1650
	1000	2400	1850	1650	800	700	1790	1650

YB27-12/0.4 prefabricated substation comprehensiveness type dimension

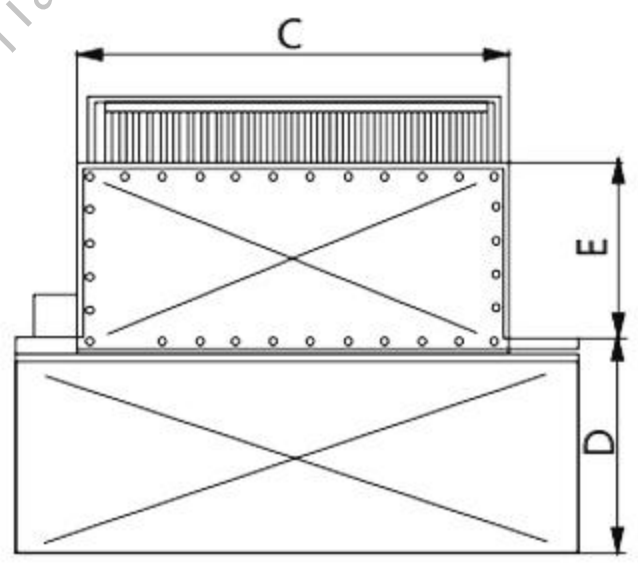
	capacity (kVA)	A	B	C	D	E	F	G	M	N
Comprehensiveness type	100-250	2400	1750	1250	800	600	1750	1450	950	550
	315	2400	1750	1350	800	650	1750	1450	950	550
	400-500	2400	1850	1450	800	650	1750	1550	950	550
	630	2400	1850	1550	800	650	1750	1550	950	550
	800	2400	1950	1550	800	650	1750	1650	950	550
	1000	2400	1950	1650	800	700	1750	1650	950	550

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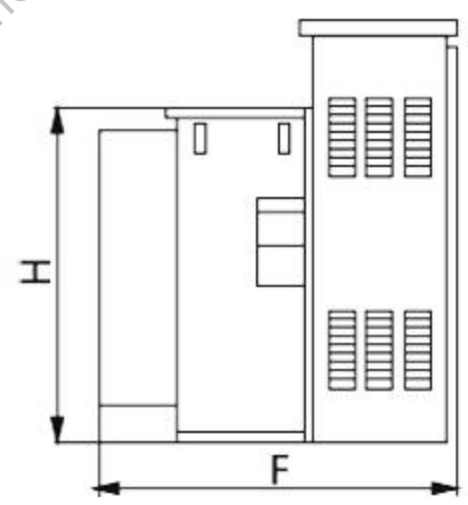
Outline dimension



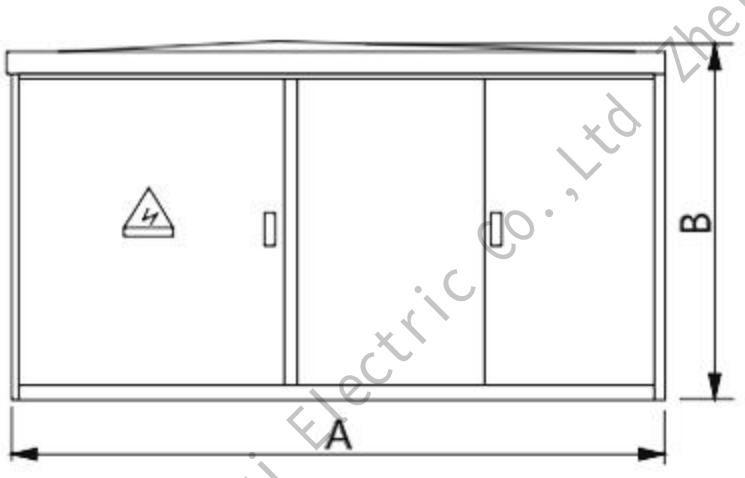
standard type /
comprehensiveness type bottom view



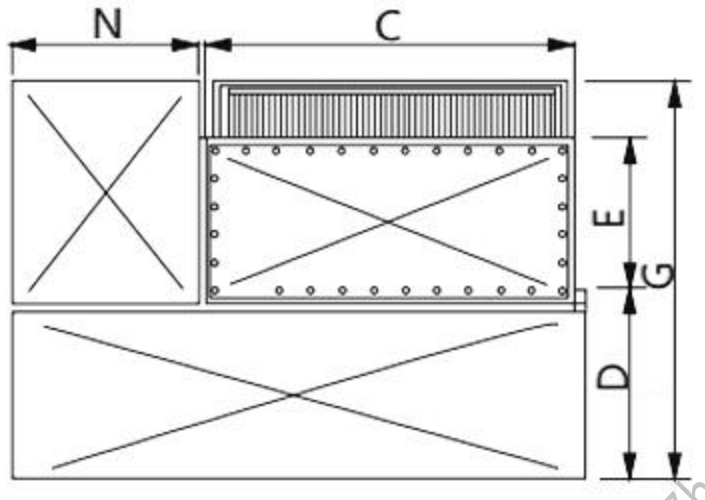
standard type /
Extra-Strength type top view



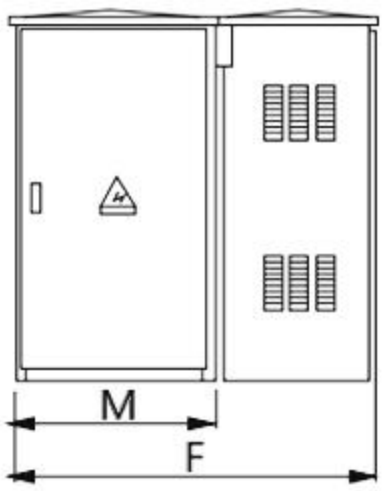
standard type /
Extra-Strength type side view



Extra-Strength type
front view



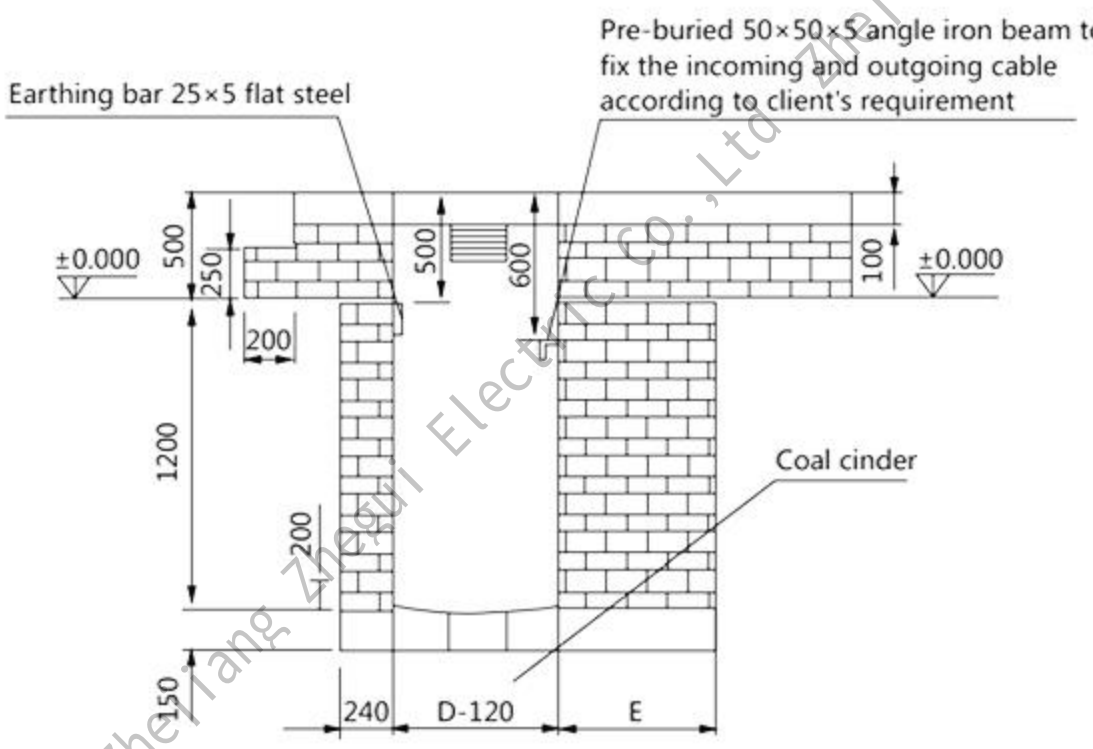
Comprehensiveness type
top view

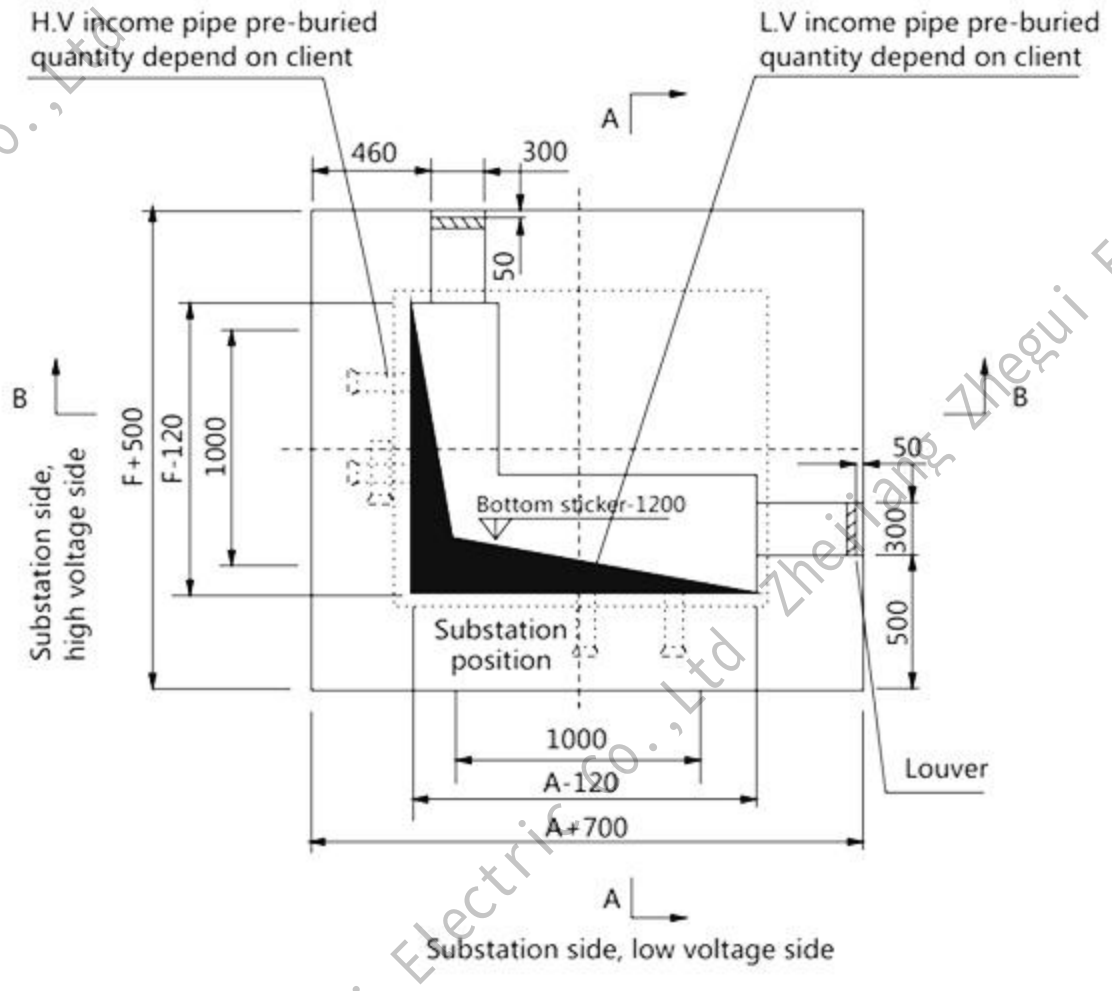


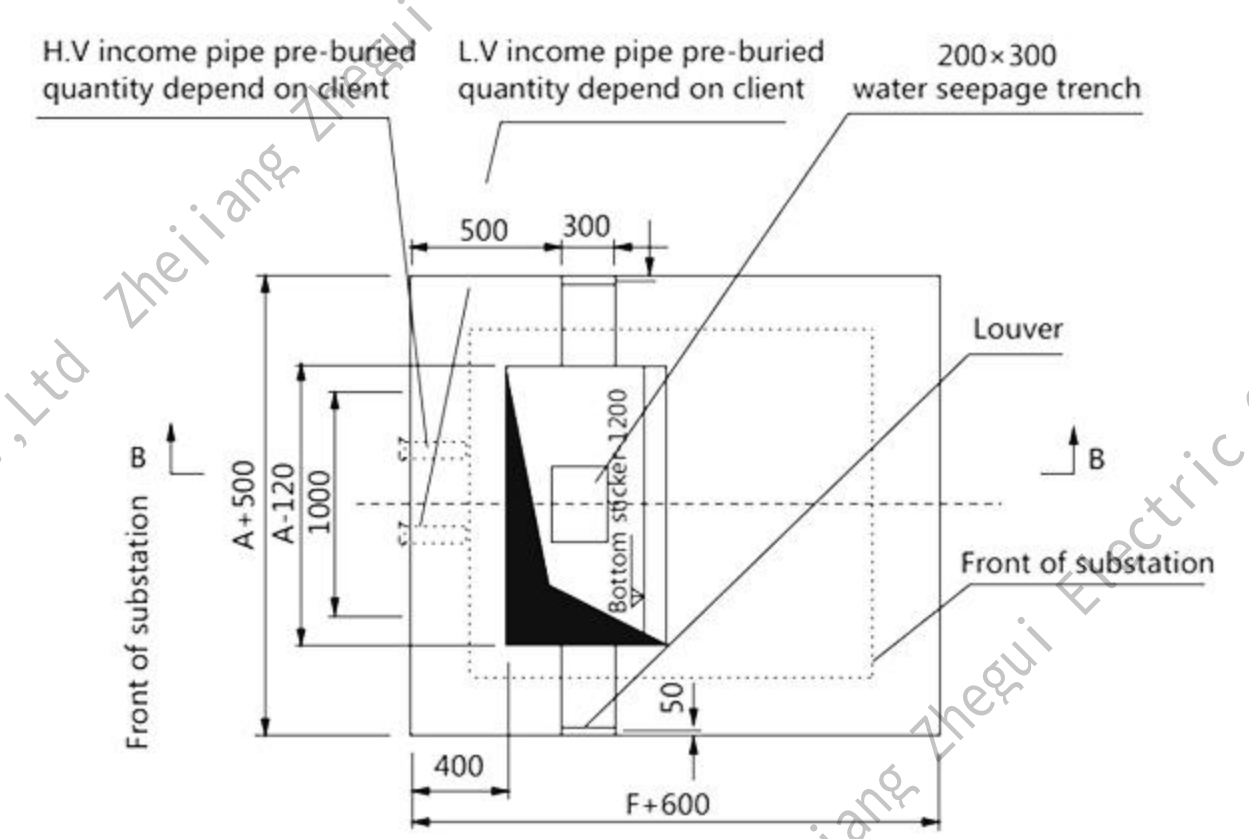
Comprehensiveness type
side view

Foundation drawing

Standard type and extra-strength type

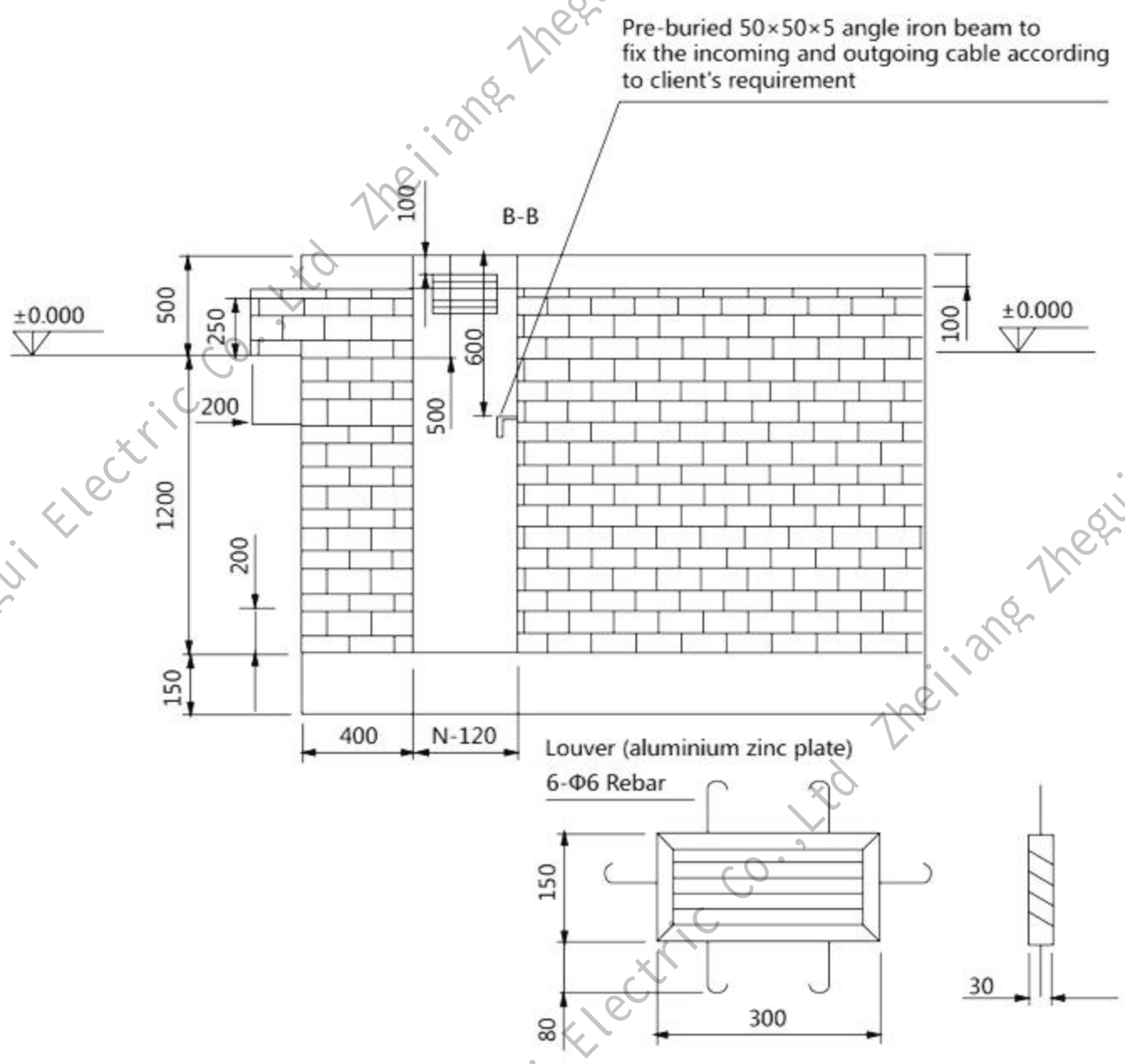


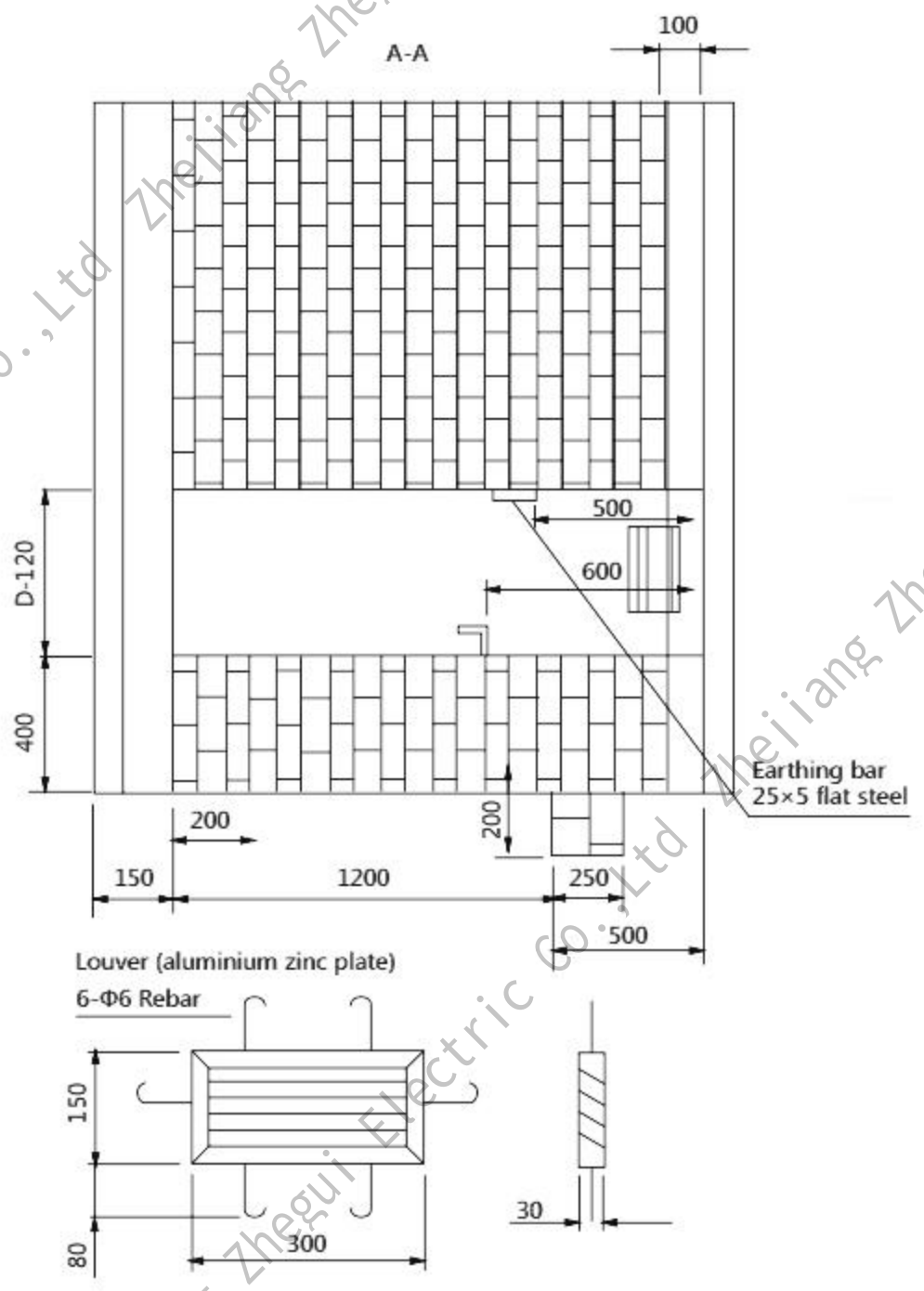












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