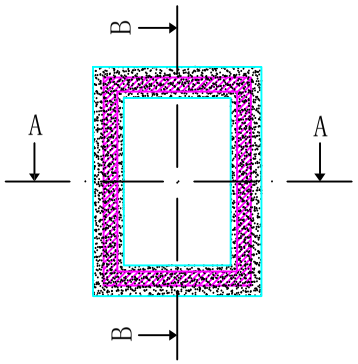
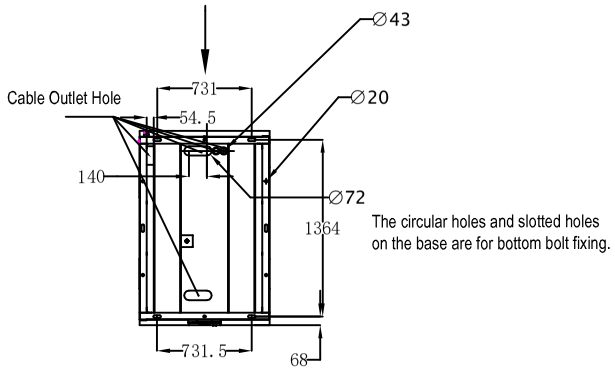
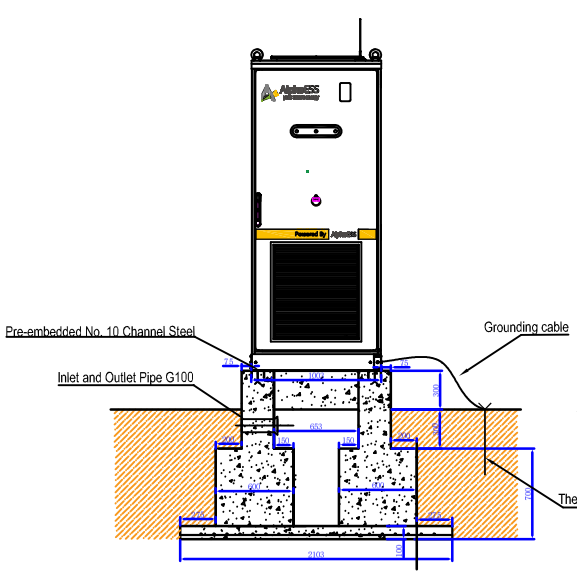


Top View

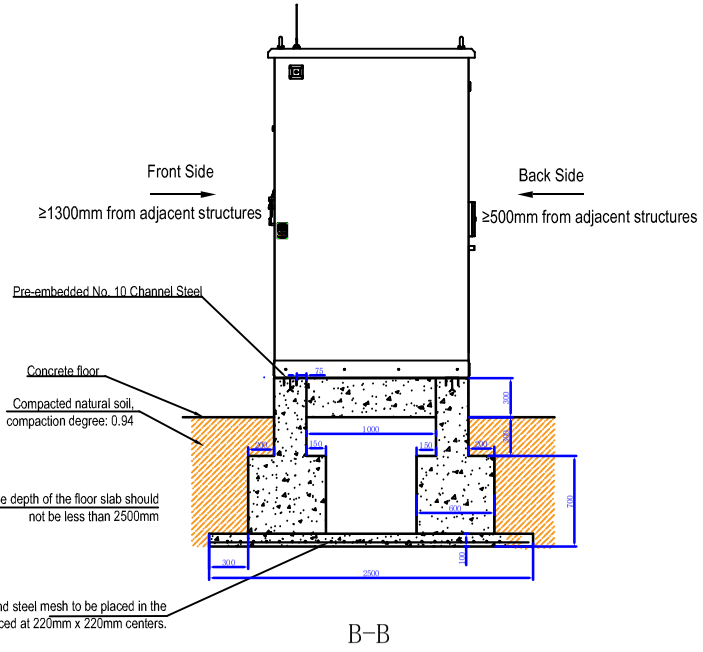


The circular holes and slotted holes on the base are for bottom bolt fixing.

Base View



A–A



B–B

Technical Requirements:

1.This basic drawing is for reference only, with the final design being subject to the designer's specifications;

2.The foundation bearing platform for the energy storage cabinet shall be cast with C30 concrete. The foundation is 700mm deep and 2500mm wide, with 700mm below the finished floor level and 300mm above. After casting, backfill with compacted soil and finish with a cement screed. The inner and outer walls and the base slab shall be rendered with a 20mm thick layer of 1:2.5 cement mortar (mixed with 3% waterproofing agent). Provide cement aprons at the front and rear for drainage and future maintenance. The finished foundation shall be 300mm above the finished floor level. Note: Ensure the installation of foundation settlement observation points.

3.The overall dimensions of one energy storage system cabinet are 1003×1500×2483mm, with an estimated total weight of 2.8 tons. The permanent load should be considered at 1.5 times the actual load, and the foundation reinforcement should be designed with sufficient strength;

4.Key points: The top surface of the foundation must be leveled for cable entry, and the embedded parts in the foundation must be accurately positioned. The difference between the highest and lowest points of the horizontally embedded parts should not exceed 3mm, and the maximum size deviation should not exceed 5mm;

5.The cabin foundation should have good drainage measures;

6.Cable support brackets shall be installed inside the foundation cavity as required. Power conduits for incoming and outgoing cables shall be embedded (configured as per actual conditions). After cable laying, all embedded conduits must be sealed with fire-resistant sealing compound;

7.The base and upper plane in the drawing are made with 200 concrete (reinforced with Ø16 rebar), with the final design subject to the designer's specifications;

8.The foundation base shall bear on undisturbed soil. Where local areas fail to meet the bearing capacity requirements, backfilling with a mixture of crushed stone, stone dust, and cement may be employed. The material shall be mechanically compacted in 300mm layers to achieve a compaction factor not less than 0.97;

9.The number and orientation of the embedded cable pipes in the foundation are to be determined by the user based on the number and orientation of the cables;

10.All metal components such as embedded channel steel and support parts within the foundation should be grounded;

11.The number of grounding rods should be determined by the soil conditions, ensuring that the grounding resistance is less than 4 ohms;

12.Grounding wires can be made from 40*4 galvanized flat steel; grounding electrodes can be made from 5# angle steel;

13.The connection between the grounding electrode and the grounding wire should be welded and coated with asphalt for corrosion protection;

14.It is recommended to embed channel steel for foundation embedded parts, or steel structure components can be embedded according to the load-bearing point position.

The above drawings are for reference only. Specific matters need to be negotiated with the civil construction party.

Title	Reference Drawing for Cabinet Foundation			Format	A3	Version No.		Impotant port *	
Part No.		Material	PTC_Material_NAME			Scale	1:1	Page	1
Designed/Date		Drawn/Date				Unit	mm	Total pages	1
Checked/Date		Approved/Date		Alpha ESS Co., Ltd.					