

Checked By CD

Re

C991545 Notes

STANDARD DISTRIBUTION

SUBSTATION DRAWING Historic Drawing No.

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NMOHS

ument Detail

315

500kva extensible

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ENCLOSURE

Lloyds Court, 78 Grey Street, Newcastle Upon Tyne, NE1 6AF

Ref No.

FLOOR: NOTES

- <u>.</u> Foundations shown are based on a maximum weight of transformer minimum ground bearing pressure of $80 \rm kN/m^2$ of 40kN and a
- Ν. The foundations shown are for a substation built on natural ground, if ground is unsuitable the foundations are to be adjusted to structural engineers instructions.
- ч. Floor slab shall be designed to carry a minimum load of 7.5kNm². Floor to be level, float finish concrete, and sealed with approved concrete sealer or concrete paint. steel
- 4. Earthed area of floor slab reinforcement shown hatched (on electrical layout) to be inspected by Northern Powergrid clerk of works prior to pouring concrete.
- J СП Floor to be cast to front face of door opening, providing solid threshold. External level to be 125mm below finished floor level, allow unrestricted access for gear, and have a level landing area.
- , С Trench covers to be 25mm exterior quality WBP ply, maximum width 1200mm, each cover to have 2 No. 35mm diameter finger holes, covers to be painted two coats silver gloss paint both sides and all edges
- 7. External paving and site finishes shall be provided as agreed with Northern Powergrid representative on site. As a minimum this shall consist of paving to full width of substation doors x 1200mm deep, with paving linking nearest highway path

Care is to be taken to ensure that access to cable openings is not impaired.

No Gas, Sanitary, Water or other Services to run through or under the substation

REFERENCE DRAWINGS :

C978643 – Earth Point Connection Details

REFERENCE DOCUMENTS :

NPS/006/002 -Technical Specification for Distribution Substation Enclosures

CUSTOMER NOTES

The customer to carry out all necessary lighting and heating installation and building work as described including the provision of the LV supply. The substation shall be wired independently of any other areas or customers accommodation.

Northern Powergrid will not install any equipment until the accommodation is deemed fit for purpose. Customer service will not be made live until completion certificate is issued.

Customer or their agent to obtain all necessary Planning and Building approvals before construction work commences.

This drawing is intended to indicate the minimum requirements for the installation of Northern Powergrid apparatus and is not in any way intended to describe the building to architectural, structural or other requirements.

The customer shall provide full construction drawings of works, to allow Northern Powergrid to check for c s minimum 15 days prior to commencement compliance with their requirements.

Northern Powergrid Project Engineer to be notified of site inspections to be carried out during construction. Substation to be designed in accordance with Northern Powergrid flood mitigation policy. commencement of site works to enable