



- NOTES:**
- FLOOR:**
- Foundations shown are based on a maximum weight of transformer of 40kN and a minimum ground bearing pressure of 60kN/m².
 - 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.
 - Floor slab shall be designed to carry a minimum load of 7.5kN/m². Floor to be level, steel float finish concrete, and sealed with approved concrete sealer or concrete joint.
 - Earthen area of floor slab reinforcement shown hatched (on electrical layout) to be inspected by Northern Powergrid clerk of works prior to pouring concrete.
 - 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.
 - 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 glass paint both sides and oil edges.
 - 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.
- Core 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 erected 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 minimum 15 days prior to commencement of works, to allow Northern Powergrid to check for compliance with their requirements.
- Substation to be designed in accordance with Northern Powergrid flood mitigation policy.
- Northern Powergrid Project Engineer to be notified of commencement of site works to enable site inspectors to be carried out during construction.

Planning application drawing ref. WA-HL-1.6

REVISED PLAN

THIS COPY HAS BEEN MADE BY ME WITH THE AUTHORITY OF ORIGINAL DRAWING CONTRACTOR IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SHALL REMAIN VALID AND EFFECTIVE AS A CONTRACT DOCUMENT UNLESS OTHERWISE STATED. THE COPY SHALL BE IN COMPLETE AGREEMENT WITH THE ORIGINAL DRAWING ON THE CONTRACT DOCUMENTS.

NORTHERN POWERGRID		Lloyds Court, 78 Grey Street, Newcastle Upon Tyne, NE1 6AF	
Manufacturer Details		315 - 500kVA UDE IN PREFABRICATED ENCLOSURE	
Sheet No.:	1	Scale:	AS SHOWN
Prepared By:	TD	Document Details:	STANDARD DISTRIBUTION SUBSTATION DRAWING
Revised:		Grid Reference:	0981442
Date Issued:	14.11.11	Checked By:	CD
		Revision:	C