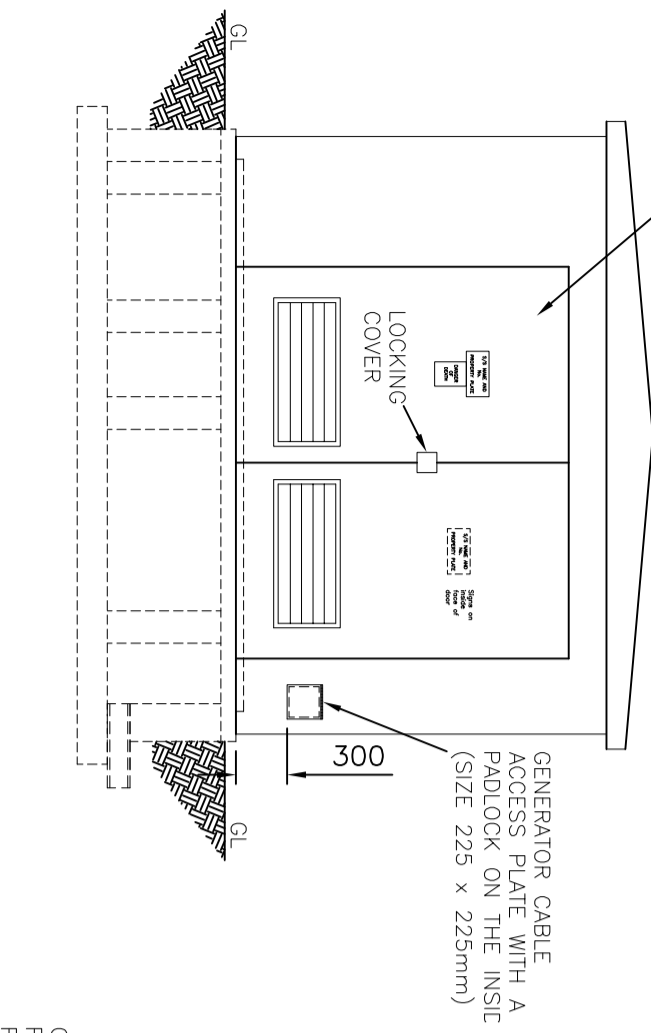
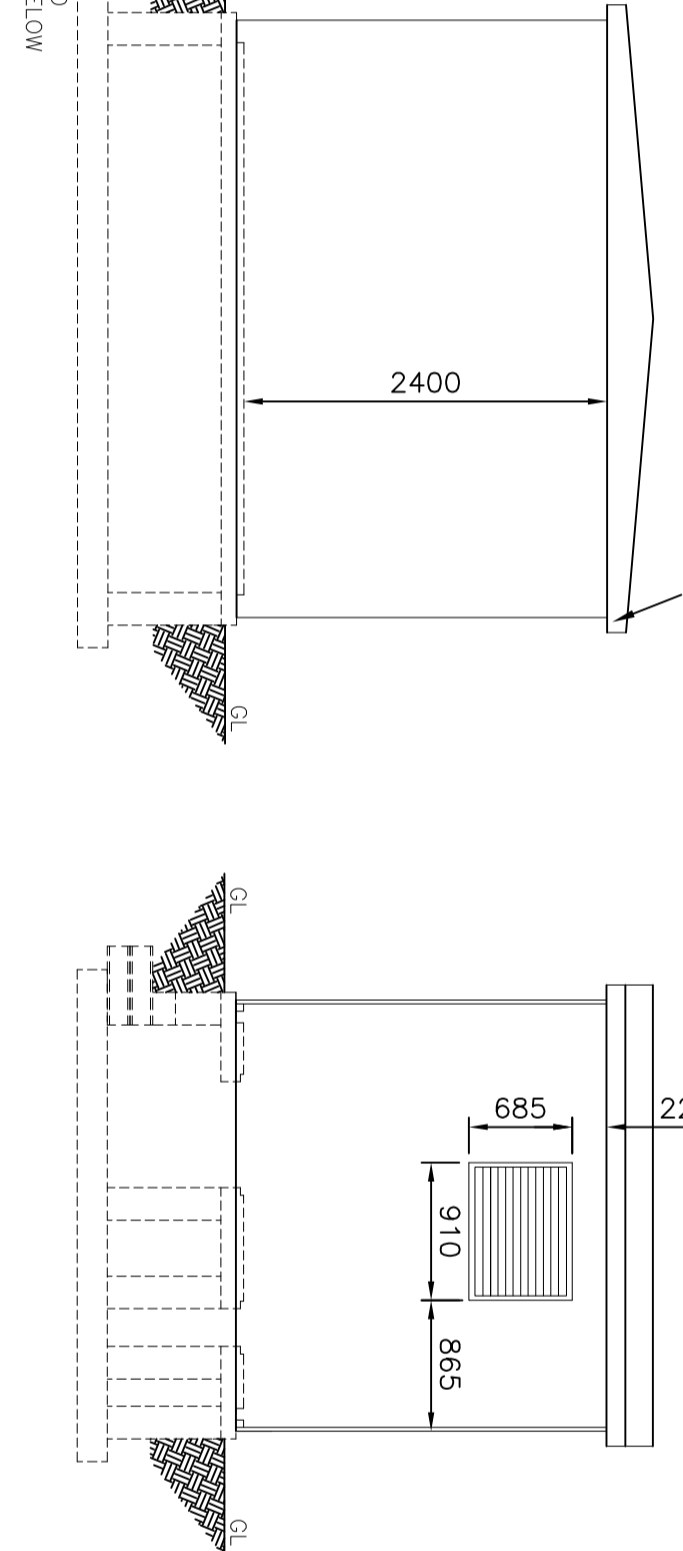


SUBSTATION DOORS TO MEET SPECIFICATION WITH VENTILATION OPENINGS IN 2590x2200 OPENING. RIGHT LEAF TO OPEN FIRST



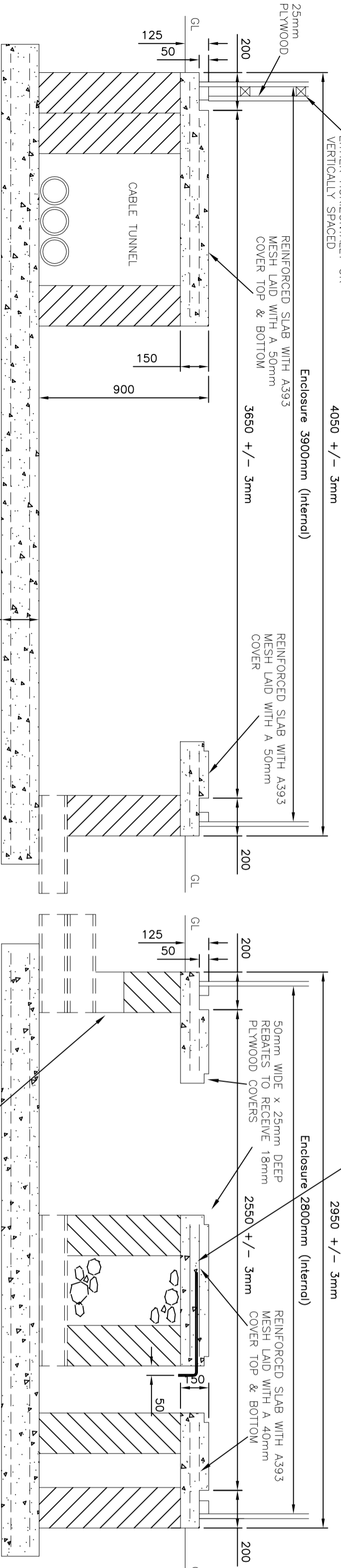
FRONT ELEVATION
SCALE 1:50

ROOF TO HAVE EXPLOSION RELIEF FITTINGS
EAVES VENTILATION TO BE PROVIDED TO 3 SIDES (REAR & SIDES)



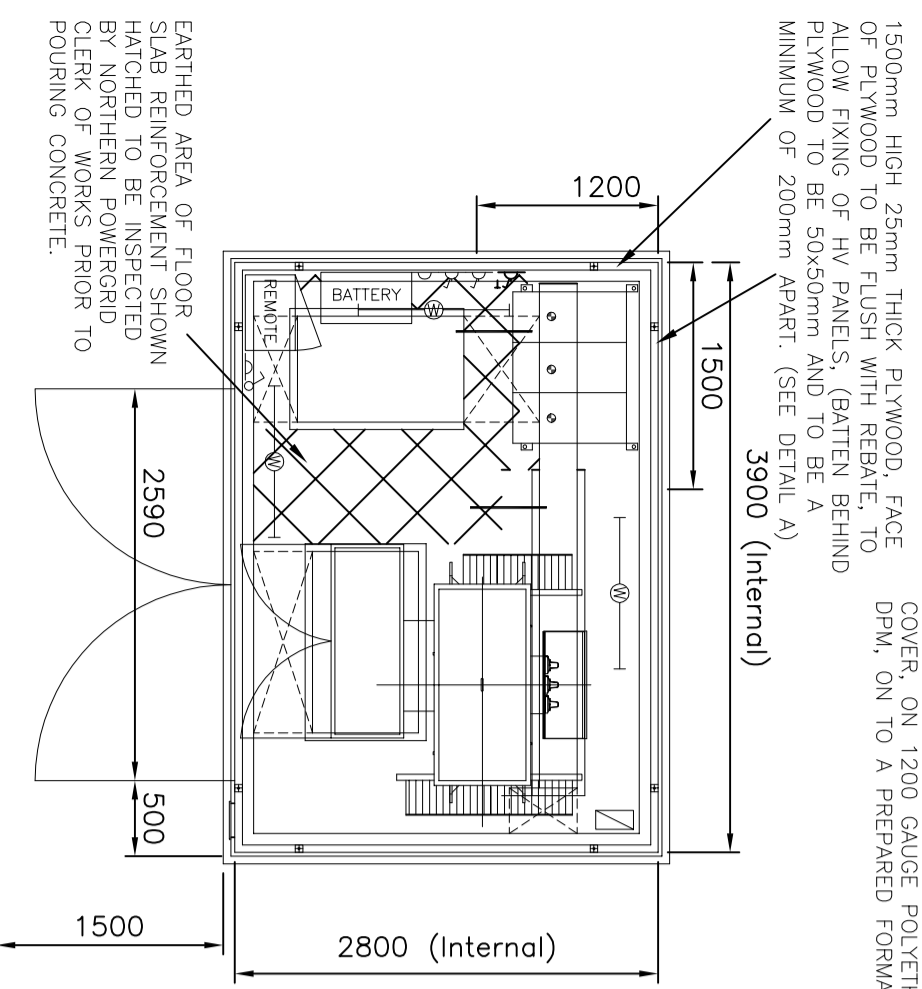
BACK ELEVATION
SCALE 1:50

EARTH POINT CONNECTION
H10 "L" BAR 600mm LONG A=500mm, B=100mm TO BE WIRE TIED IN FOUR PLACES TO THE UNDERSIDE OF THE TOP LAYER OF REINFORCEMENT MESH

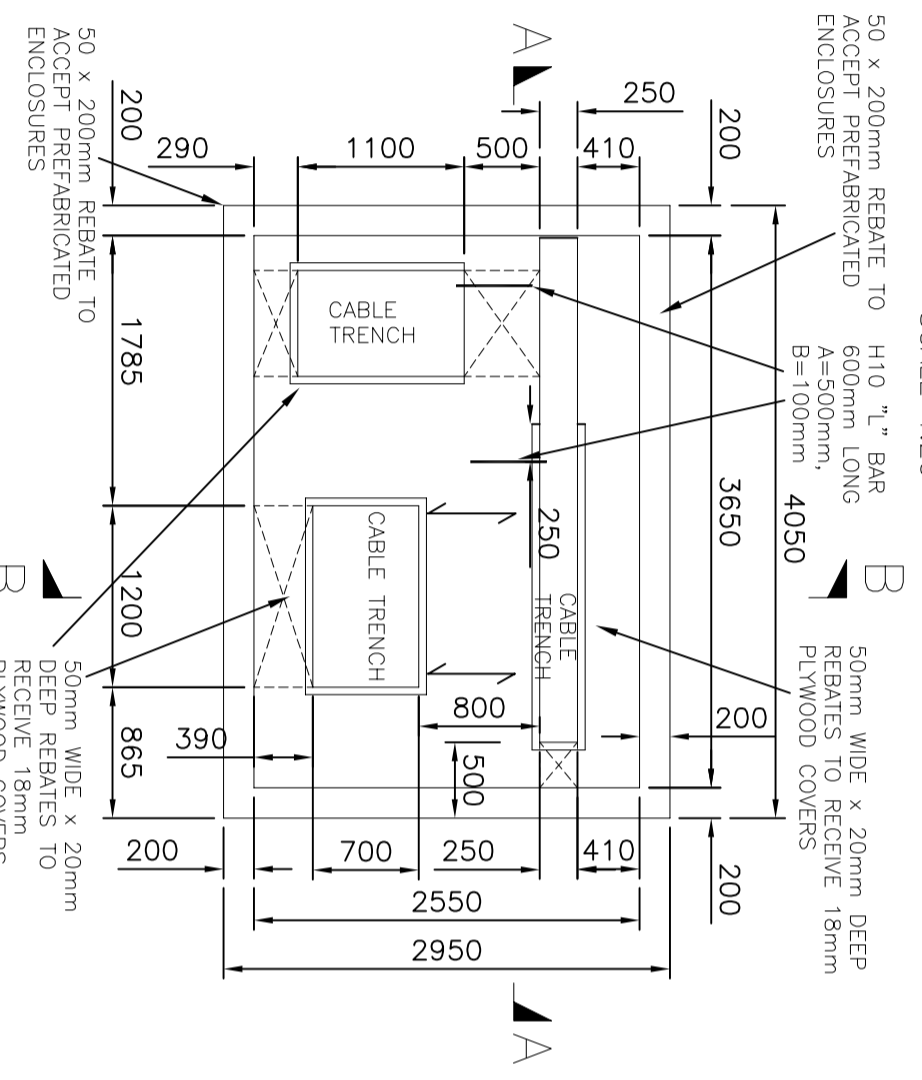


SECTION A-A
SCALE 1:20

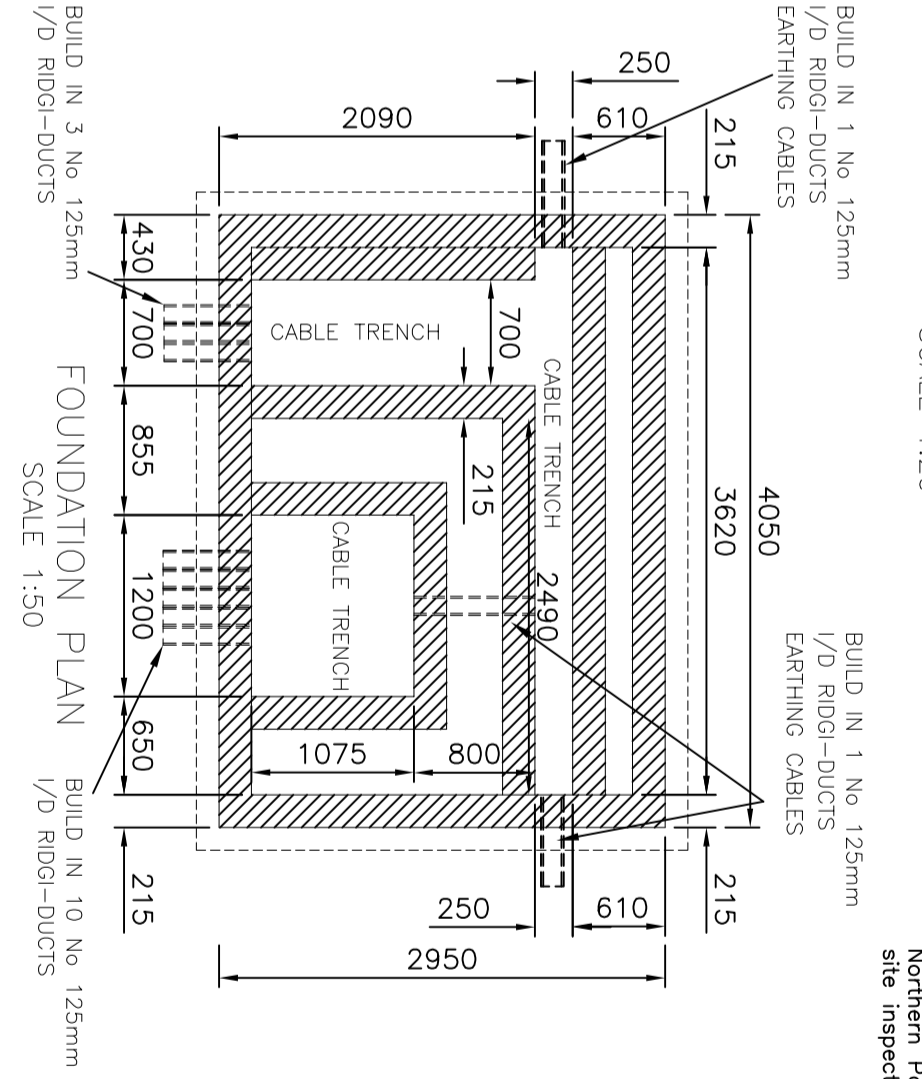
SECTION B-B
SCALE 1:20



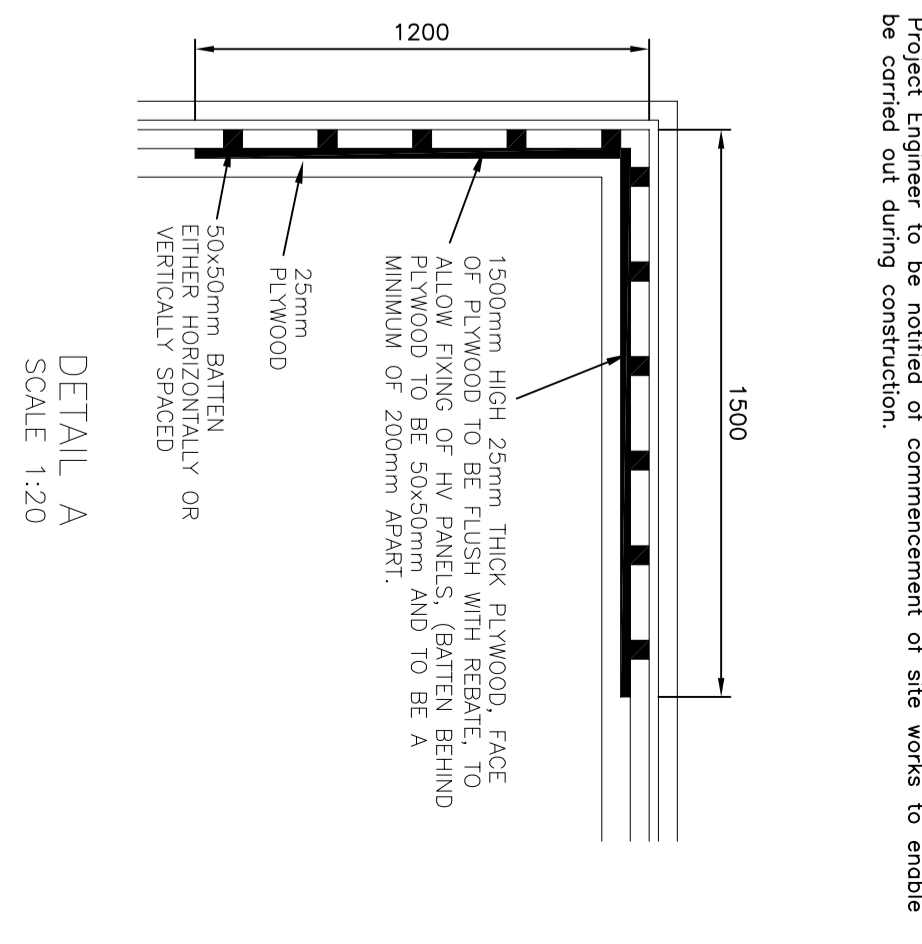
PLAN OF EQUIPMENT & ENCLOSURE
SCALE 1:50



FLOOR PLAN
SCALE 1:50



FOUNDATION PLAN
SCALE 1:50



DETAIL A
SCALE 1:20

INTERNAL CUBIC CAPACITY - 26.2m³

NOTES

- Foundations shown are based on a maximum weight of transformer of 40kN and a minimum ground bearing pressure of 80kN/m²
- 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 floor finish concrete, and sealed with approved concrete sealer or concrete paint before equipment installation.
- Earthed 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 gloss paint both sides and all 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

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.

Substation doors to be set back a minimum of 1500mm from back edge of footpath. Any proposed reduction in this clearance to be approved by Northern Powergrid following submission of site specific risk assessment and operational method statement

REFERENCE DRAWINGS :
C978643 - Earth Point Connection Details

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 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 inspections to be carried out during construction.

		Lloyds Court, 78 Grey Street, Newcastle Upon Tyne, NE1 6AF	
Manufacturer Details	Sheet No. 1	Scale	AS SHOWN
Prepared By	TD	Grid Reference	
Revised		Ref No.	C991549
Date Issued	02.08.16	Checked By	CD
		Revision	E
STANDARD DISTRIBUTION SUBSTATION DRAWING IN PREFABRICATED ENCLOSURE		Historic Drawing No.	