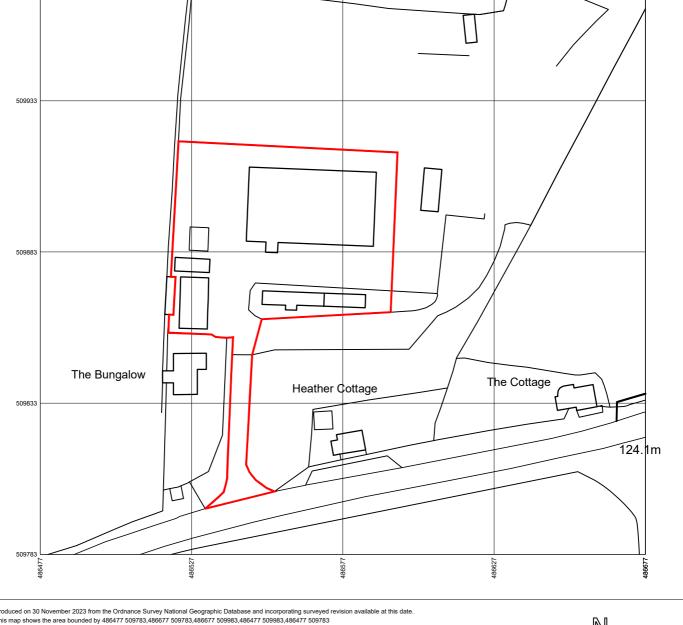
# SCALE = 1:1250 @ A4



Produced on 30 November 2023 from the Ordnance Survey National Geographic Database and incorporating surveyed revision available at this date. This map shows the area bounded by 486477 509783,486677 509783,486677 509983,486477 509983,486477 509983,486477 509783 Crown copyright and database rights 2023 OS 100054135. Supplied by copla ltd trading as UKPlanningMaps.com a licensed Ordnance Survey partner (OS 100054135). Data licence expires 30 November 2024. Unique plan reference: v4e/I1032567/1391934



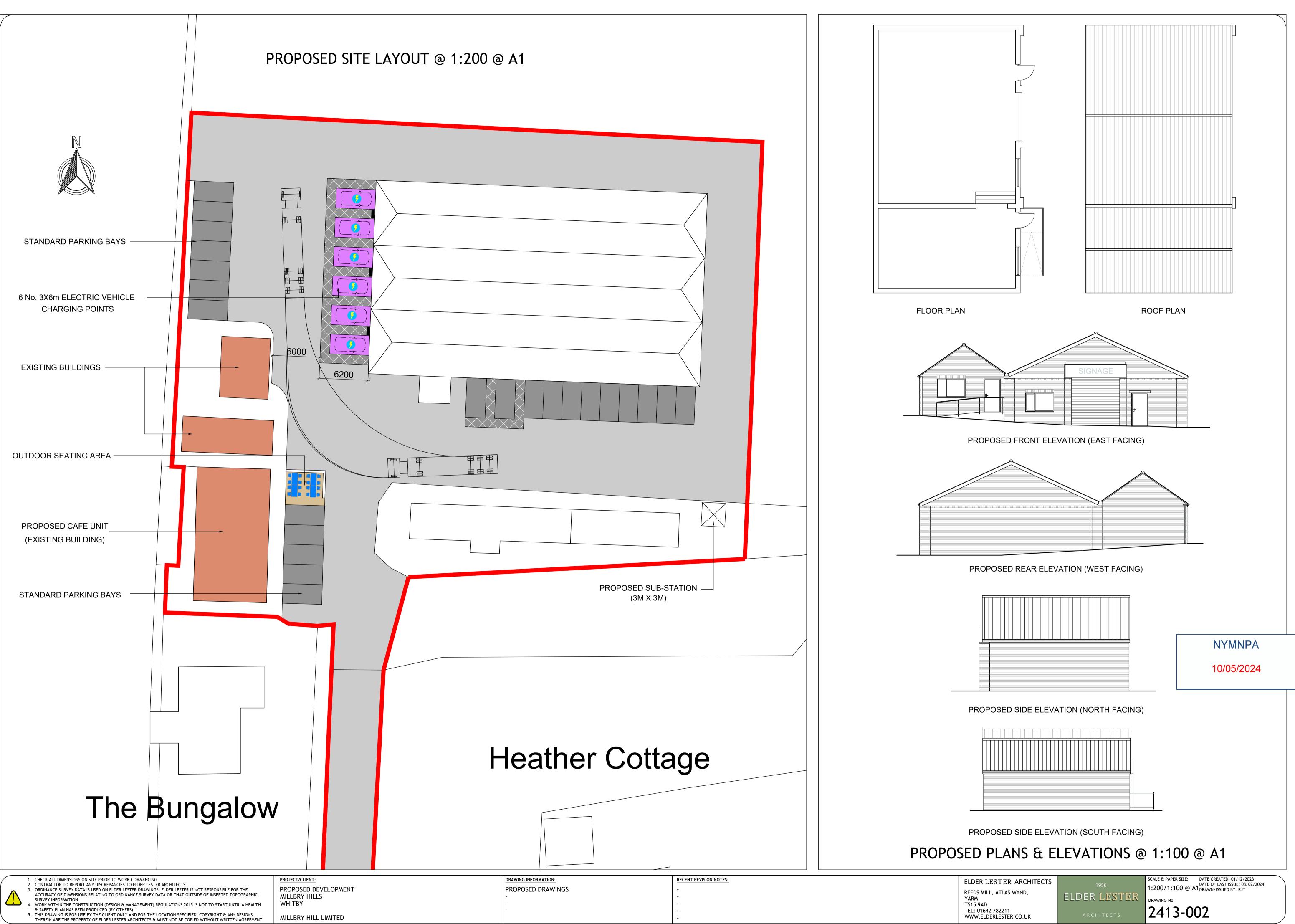
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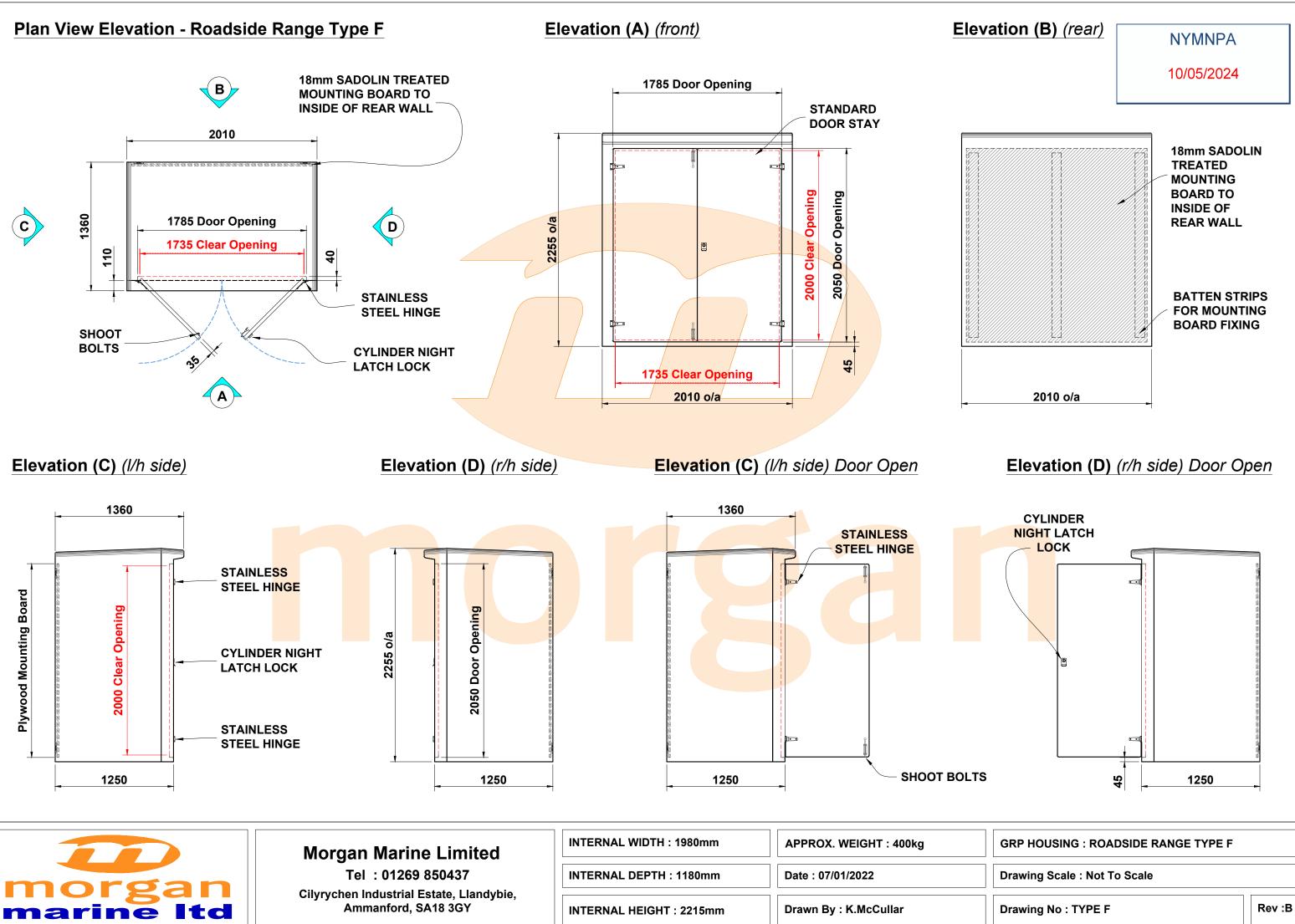
509983

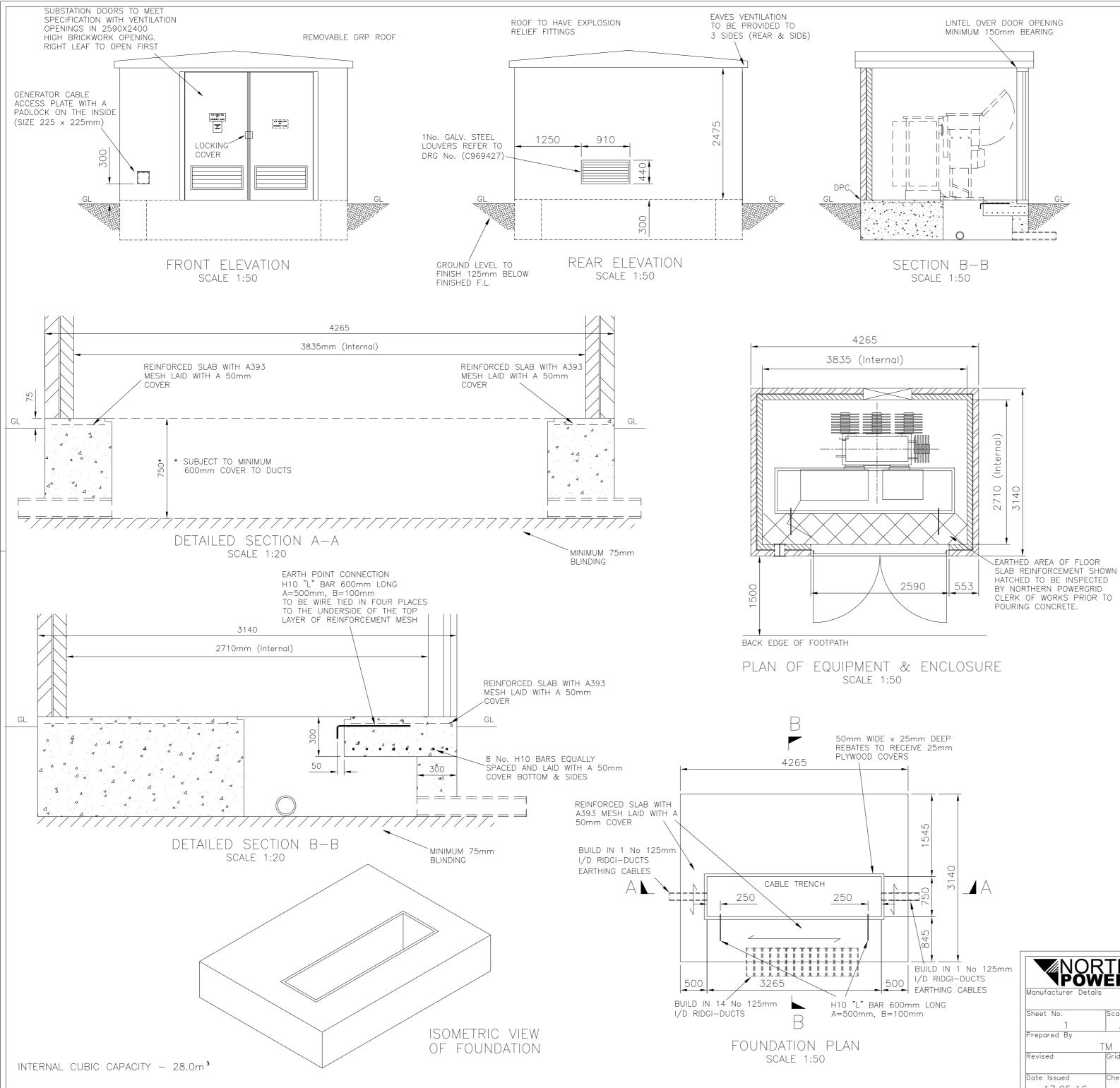
NYMNPA 10/05/2024





MILLBRY HILL LIMITED





## <u>NOTES</u> FLOOR:

- 1. Foundations shown are based on a maximum weight of transformer of 40kN and a minimum ground bearing pressure of 80kN/m<sup>2</sup>
- 2. 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.
- 3. Floor slab shall be designed to carry a minimum load of 7.5kNm<sup>2</sup>. Floor to be level, steel float finish concrete, and sealed with approved concrete sealer or concrete paint before equipment installation.
- 4. Earthed area of floor slab reinforcement shown hatched (PLAN OF EQUIPMENT & ENCLOSURE) to be inspected by Northern Powergrid clerk of works prior to pouring concrete.
- 5. 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.
- 6. 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

### ROOF:

8. Roof shall be to Northern Powergrid specification. Other roof types shall only be used with written approval from Northern Powergrid. Must accommodate an explosion relief device and must support distributed loading of 1.8kN/m<sup>2</sup>. All roofs to be secured to walls via propriety fixings to be designed to BS6395 Part 3.

### BRICKWORK:

9. Walls to be 215mm with blockwork or brick inner leaf. Internal walls minimum 100mm thick 7N concrete block or brickwork. Leafs to be tied together with stainless steel double triangle wall ties to BS1243 at 450mm centres vertical and 900mm centres horizontal.

#### DOORS:

- 15. Doors must be to Northern Powergrid specification. Each substation site will be given a security rating by Northern Powergrid, standard, enhanced or high, the minimum door specification shall match or exceed this site specific security rating. Door details must be submitted for approval prior to placing an order with the supplier.
- 16. Doors to include ventilation where shown via steel door louvres to Northern Powergrid specification and approval.
- 17. Door reveals & lintel soffits to be closed, closure to provide minimum one hour fire protection.

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 :

C969426 - Door Louvre Details C969428 - Roof Details (GRP/STEEL) C969998 - Generator Cable Access Detail C978643 - Earth Point Connection Details

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#### 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 us and is not in any way intended to describe the building to architectura 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.

NORTHERN POWERGRID		Lloyds Court, 78 Grey Street, Newcastle Upon Tyne, NE1 6AF
ufacturer Details		800 – 1000 KVA UDE IN MASONRY ENCLOSURE
et No.	Scale	BOO FOOD RVA ODE IN MASONICI ENCLOSORE
1	AS SHOWN	
bared By		Document Details
ТМ		STANDARD DISTRIBUTION SUBSTATION DRAWING
sed	Grid Reference	Ref No. Historic Drawing No.
e Issued	Checked By	Revision Notes
17.05.16	JJ	

