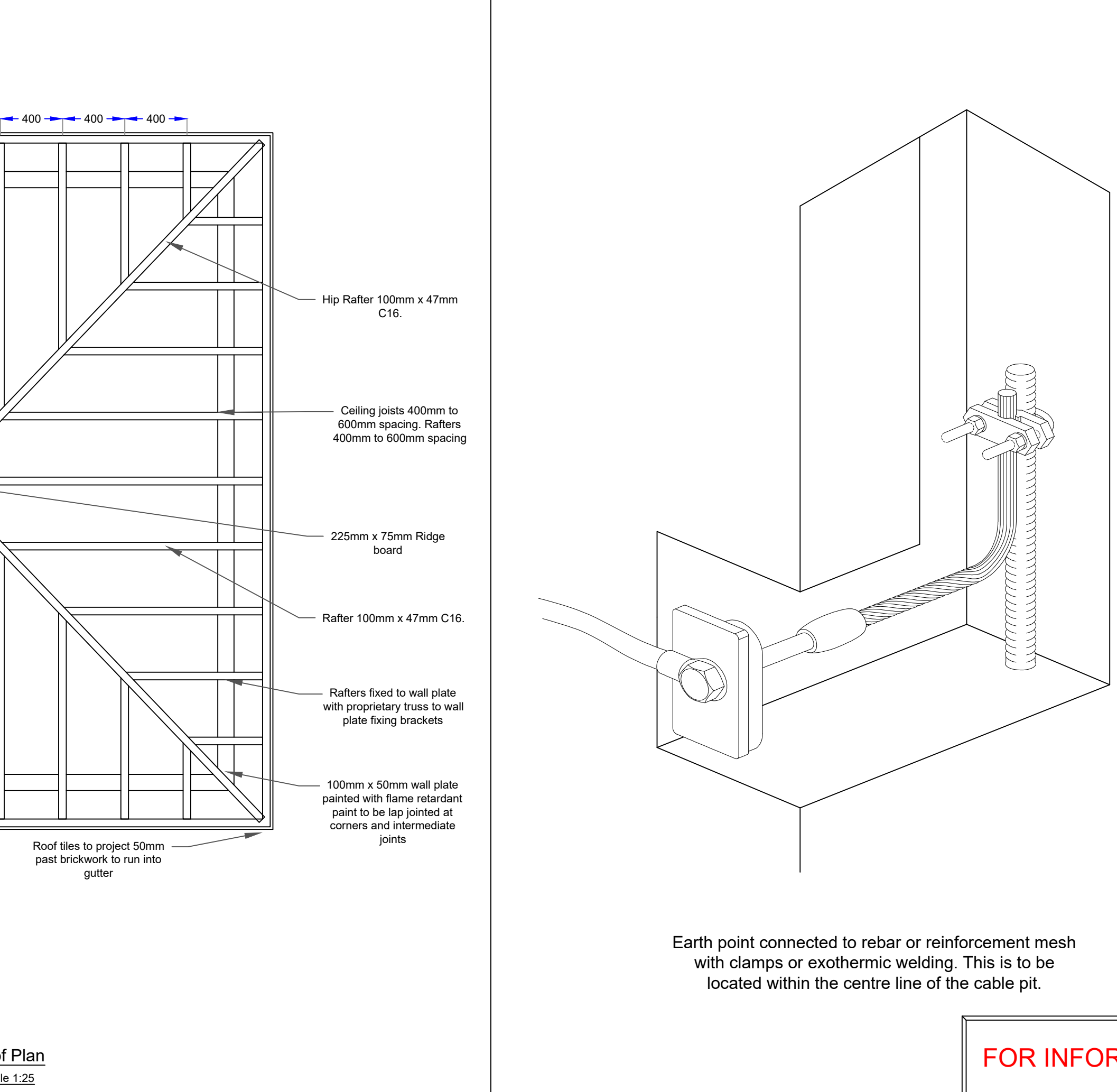
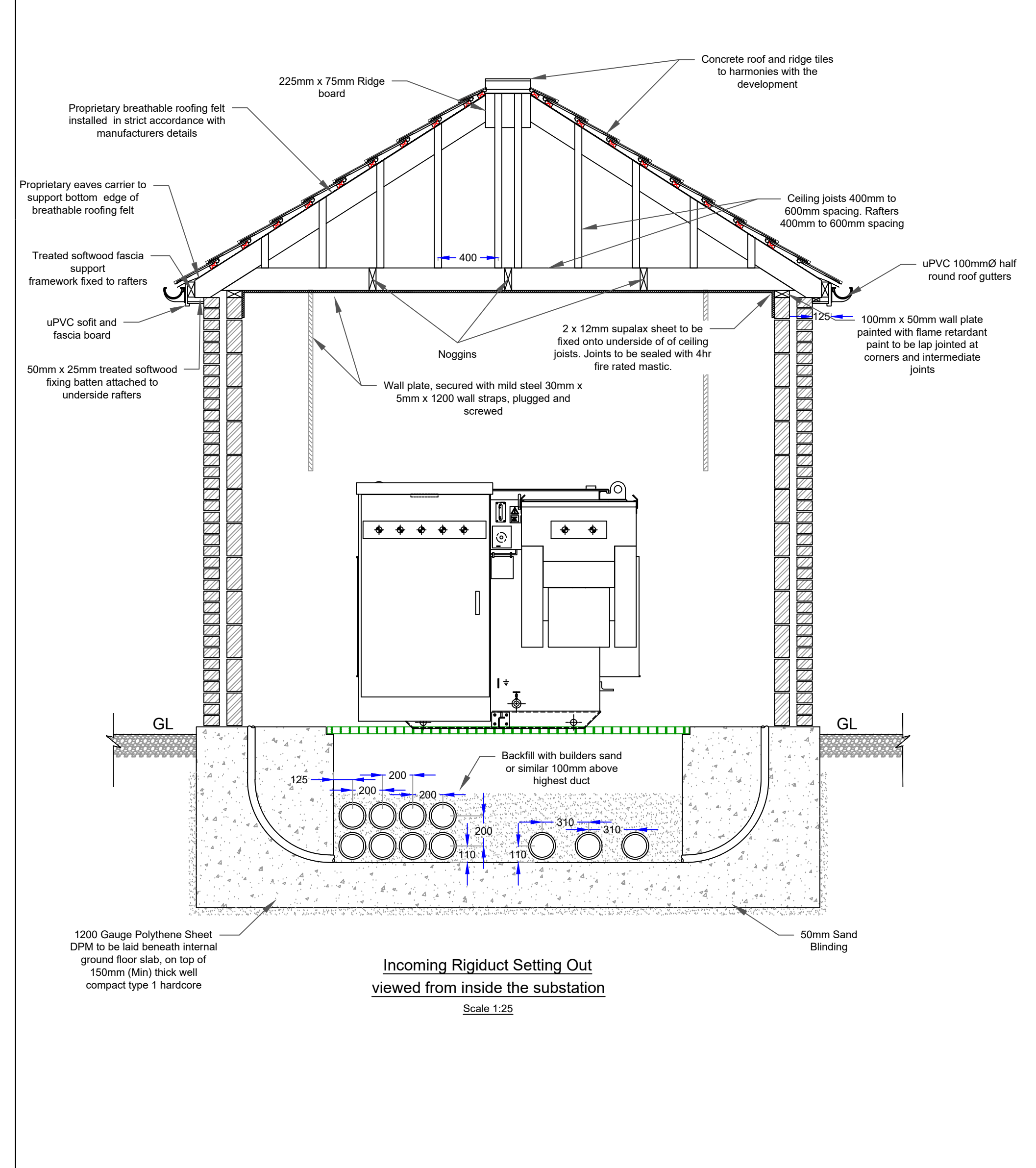
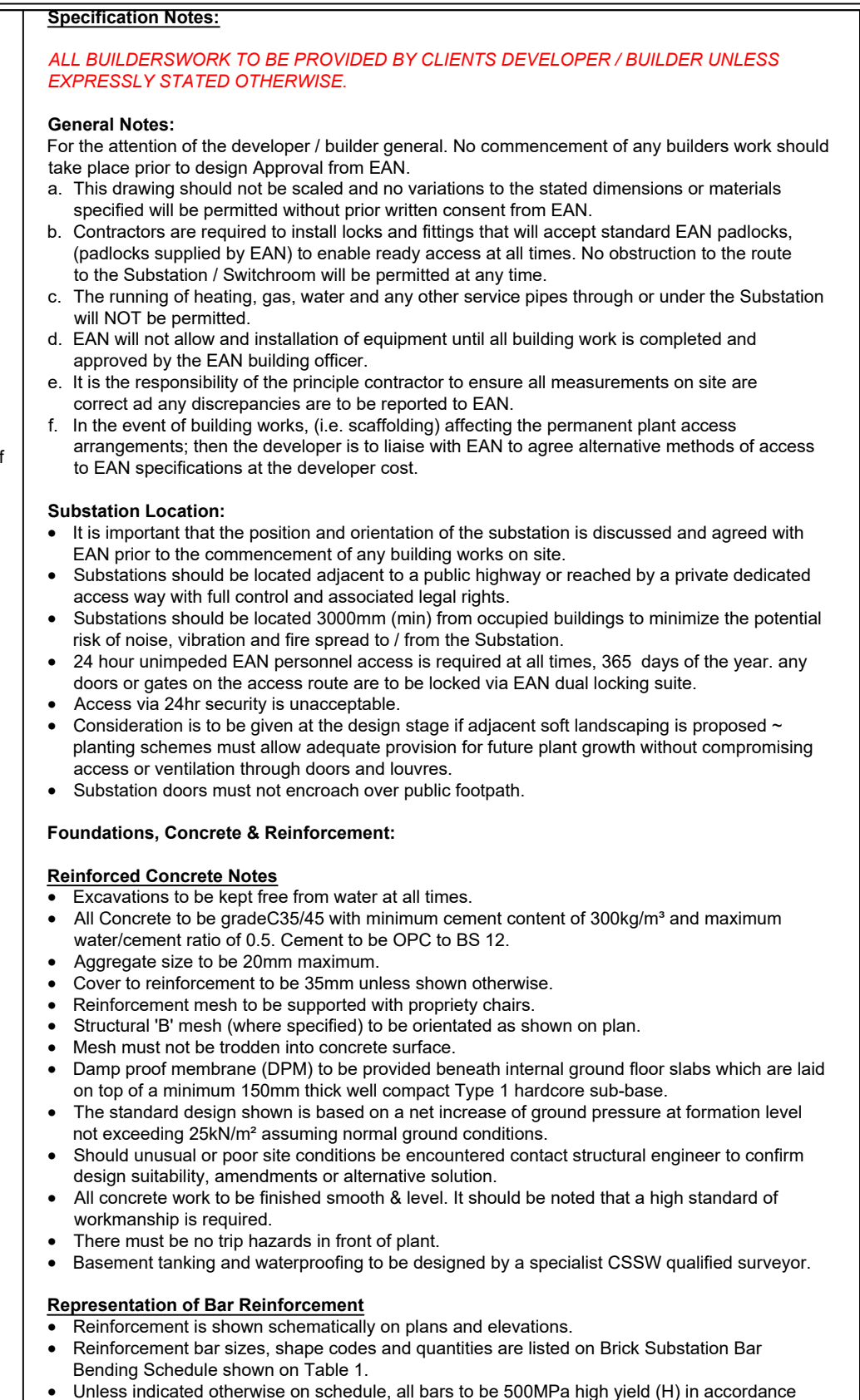




Gratings:

- 50mm deep (mean size 50 x 50mm) moulded GRP gratings by Caprad (01696 280510) - open type with gruffed surface, colour green.
- Gratings must be sealed level with no noticeable ridging and cut as required for cable penetrations ensuring they can still be removed with cables in-situ.
- 50 x 50mm cast in rebate required around top of trench perimeter, to receive GRP trench grating.

Note: Gratings are designed for personnel loading only

Plant Installation:

- Use acoustic mounts between plant and floor slab or anti-vibration matting.

Wells:

- 50mm cavity walls to be constructed from an outer skin of clay-finished brickwork with a minimum 20N/m² mean compressive strength and a durability designation F1, S2 or better. Inner skin to be blockwork with a minimum 7.2N/m² mean compressive strength.
- Inner and outer skins to be laid stretcher bond fixed to with stainless steel wall ties, "sloabe triangle", vertical wall fasten placed 400mm(max) @ vertically and 375mm(min) @ horizontally, with additional ties at structural openings.
- Both skins to have proprietary DPC membrane 150mm(min) above ground level
- Heat shrink joints with mortar to be same mix, cement, mix 1:1:6 with sulphate resisting cement used below ground level.
- Plumb reference to be <6mm.
- Wall plate to be secured with mild steel 30mm x 5mm x 1200 wall straps, plugged and screwed.
- All steel (G. limits to extend beyond structural opening by 150mm(min).
- All cavity to be rendered cavity closer.

Doors & Louvers:

- Substation doors can be GRP or Steel based on a risk assessment) and must be compliant with IAN G81 Materials Specification. Wooden doors will not be accepted.
- GRP doors are by MCL Industrial Enclosures, Ref number: SS1016.
- Steel doors are by Sunray Engineering Limited, Ref number: SQD1063
- Steel Louvers are by Sunray Engineering Limited, Ref number: SQD1066

Ducts & Cable Access:

- 110v - 150mm internal diameter twin walled high density polyethylene rigidducts to ESI 12-24, test full full level, @c Rigiduct, CDS Rise or similar.
- The exact duct entry positions are shown on the drawing.
- Groundwork for cable entry to be fully completed and backfilled after cable installation by developer.
- Trenches to be filled with builders sand 100mm above highest duct, finish level post cable installation under DNV supervision.

Earthing:

A dedicated earthing system is to be supplied by the TPC.

NOTE: The small power and lighting requirement can be provided via the 11 V. cabinet or alternatively, wall mounted small power and lighting will be required.

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