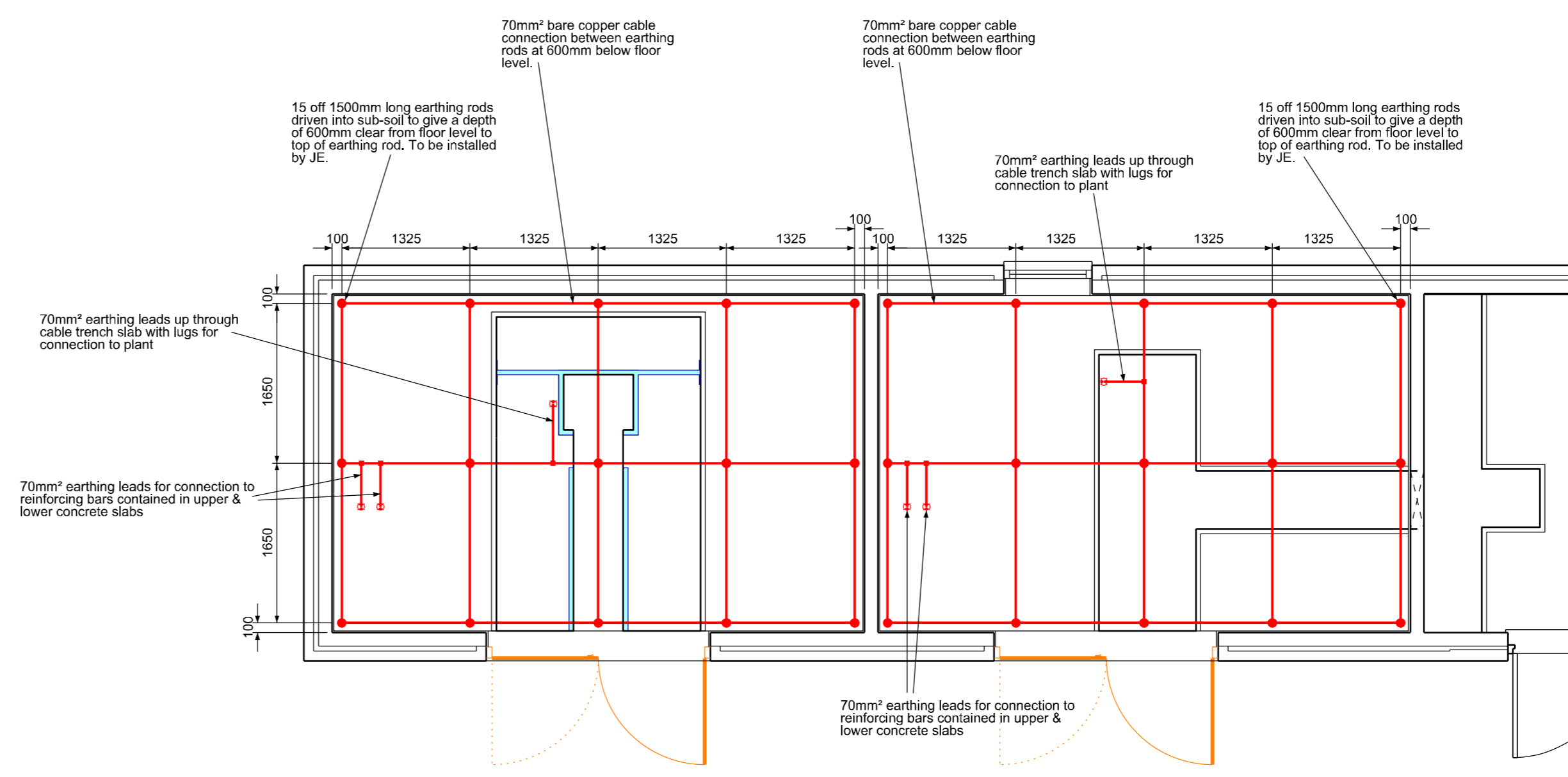
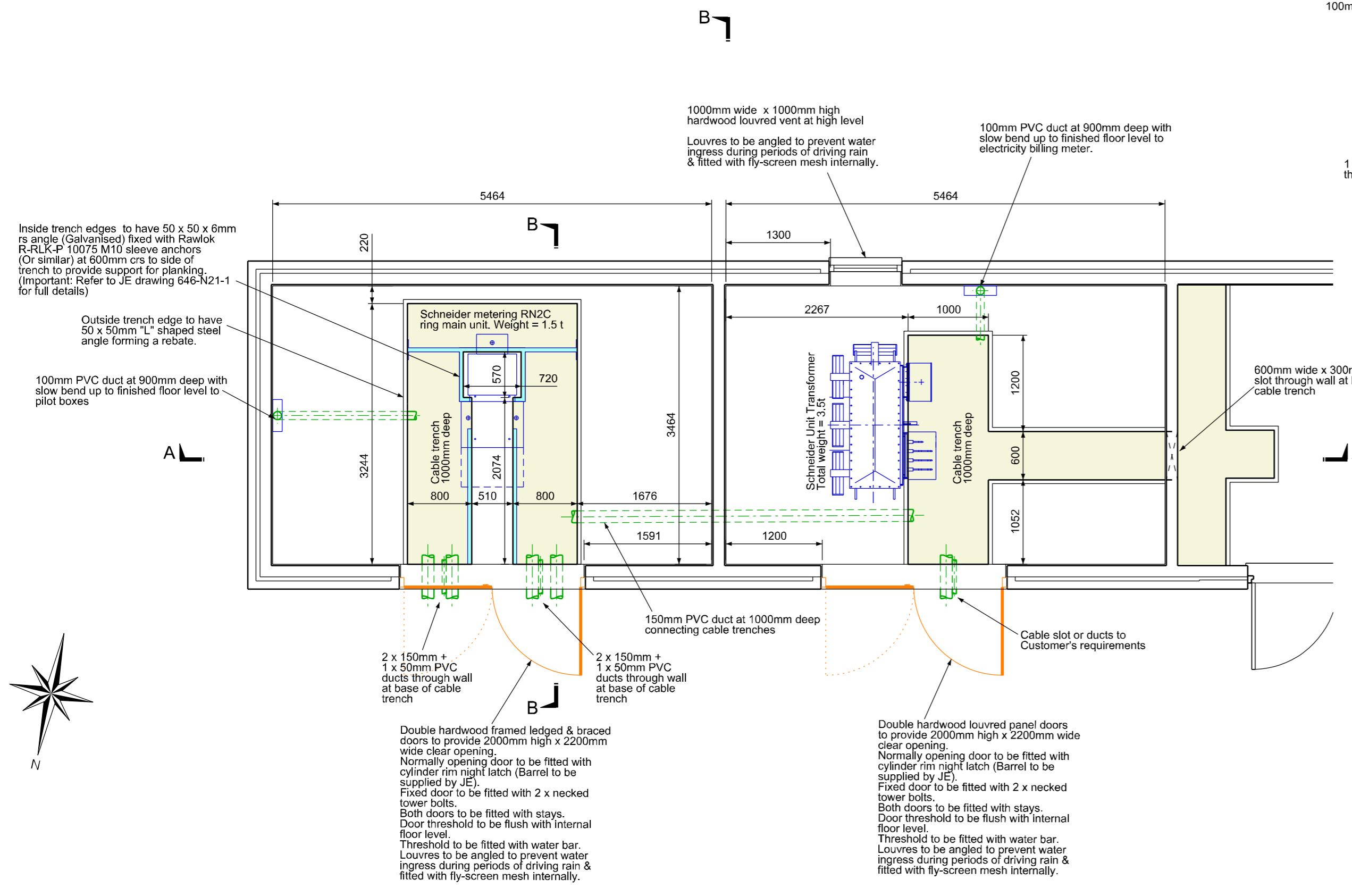


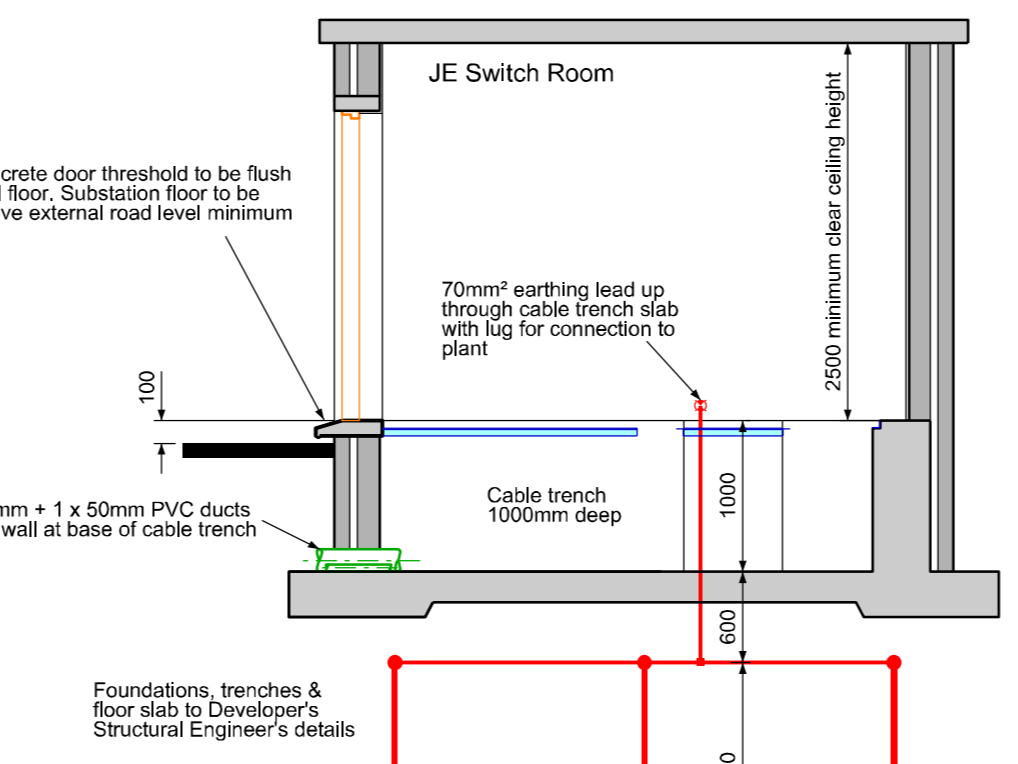
Section A-A



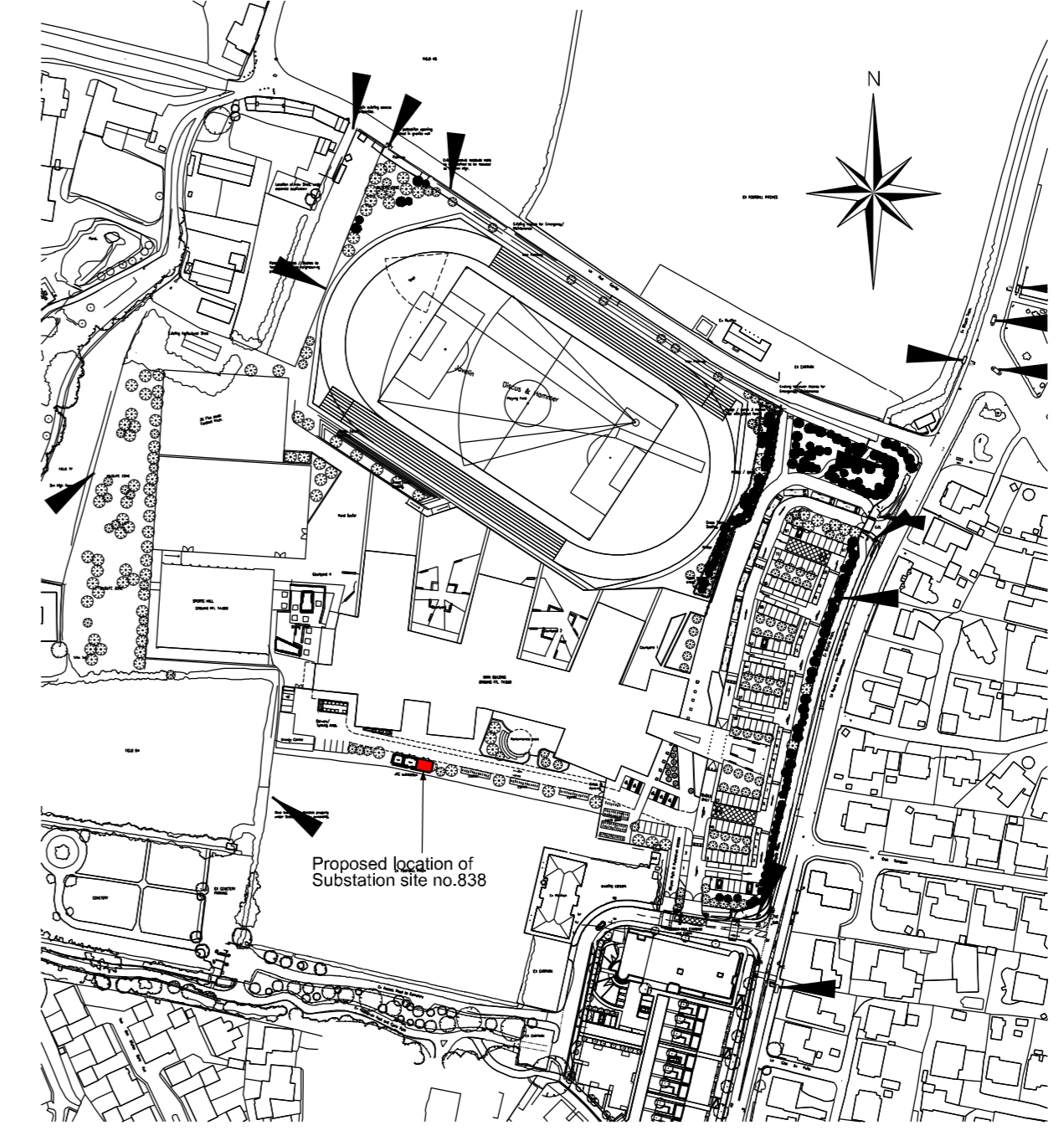
Earthing Layout



Substation Layout



Section B-B



Site Location Plan

NOTES

- The Substation is to be built strictly in accordance with this drawing and with Jersey Electricity Document: "Planning Procedure - Substation Location, Design and (Civil) Specification".
- Earth mat to be installed by JE prior to casting of floor or trench slabs. In addition clamped connections from earth mat to reinforcing bars in concrete slabs by JE.
- External walls of Substation to be of cavity construction. Cavities to be closed at all openings with vertical dpc's fitted.
- All Substation walls to be rendered internally. Fair-faced blockwork is not an acceptable finish.
- Substation floor to be strictly as follows:
 - Concrete: Strength C40, min w/c ratio = 0.45, min. Cement content = 300kg/m³, Target slump = 75-100mm, Calcium chloride: Not permitted, Air entraining admixtures: Not permitted
 - Surface Hardening Additive: Fosroc Nitelox Hardtop S To be used / installed in strict accordance with manufacturer's guidance and recommendations
- Worked finishes:
 - Initial finish: To suit surface hardener
 - Final Finish: Trowelled finish
 - Surface on completion: Uniform, level in all directions, smooth but not polished, free from trowel marks and blemishes.
- All trench edges to have 50 x 50mm "L" shaped steel angles forming rebates. Refer to JE drawing 646-N21-1 for details.
- All trenches to have 150 x 50mm timber planks over installed by Developer prior to installation of plant.
- Substation basements, trenches and retaining walls to be tanked to provide Waterproofing Grade 3 in accordance with BS8102: 2009.
- Minimum heights to underside of ceiling slab or plasterboard under joists as shown on drawing.
- Portions of this document include intellectual property of the States of Jersey and are used herein by permission. Copyright © States of Jersey (2006), License No. JZ.
- In accordance with the requirements of Management in Construction (Jersey) Regulations 2016 the following hazardous or other materials will be present in the Substation:
 - SF6 Gas
 - Mineral oil
 - OOSH sheets are available for the above on request
- Access to substation after commissioning is restricted to authorised JE personnel only. Any required access by others is only available by special arrangement with JE.
- General lighting and power to be provided by Developer.
- Site details taken from Waterman drawing no. WBS 61 GD E101 C01

Important

The Substation is to be built strictly in accordance with this drawing and with Jersey Electricity Document: "Planning Policy- Substation Location, Design and (Civil) Specification".

D	14-3-2018	Substation internal dimensions altered	DGB	PG
C	05-2-2018	Site location plan and SS location updated	TSB	PG
B	22-1-2018	RMU trench details altered	DGB	PG
A	9-11-2017	RMU trench details altered. Section C-C added	DGB	PG

Revision table with columns: Rev, Date, Description, Dm, App.

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Project: Proposed Substation No.838 at Quennevais School, St. Brelade

Title: Plans & Sections

Scale	Date	Drawn	Approved
1:50 @ A1 1:75 @ A3	27-9-2016	DGB	GG
Dwg. No. 21-G24-1		Revision 0	

