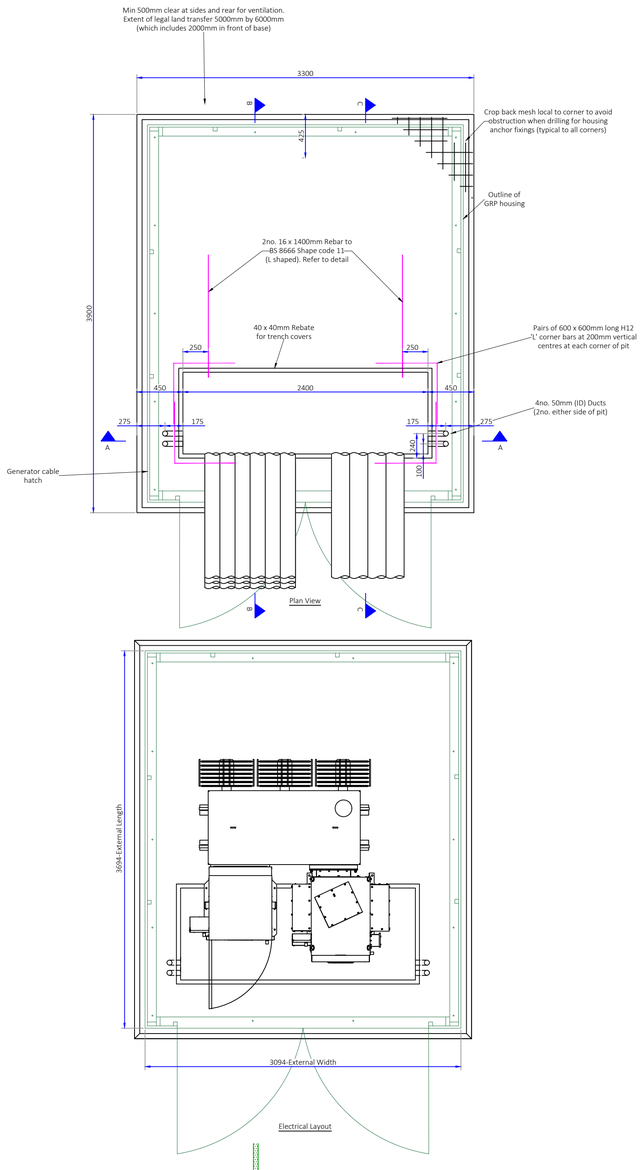
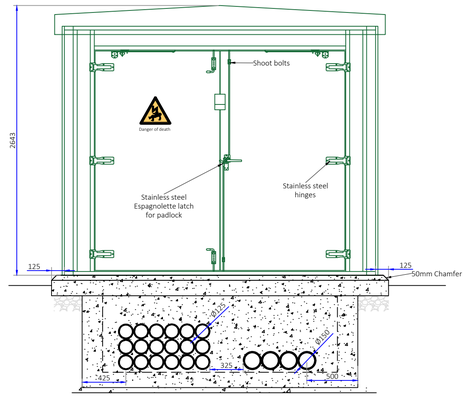
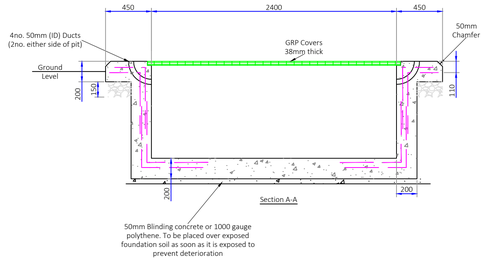
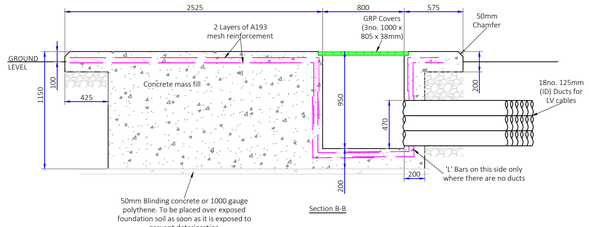
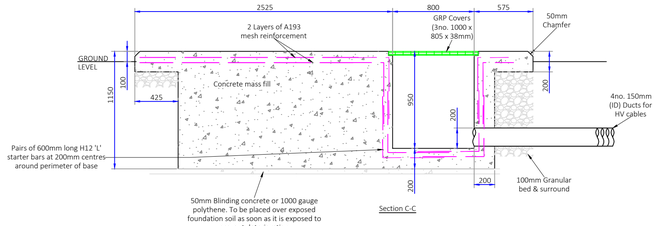
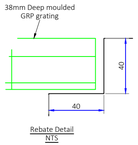


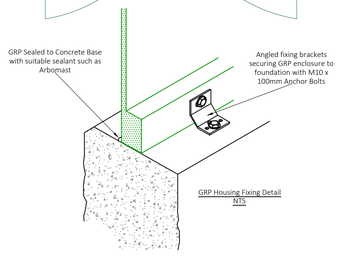


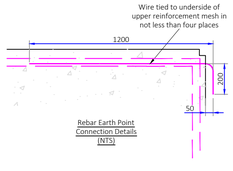












Specification Notes:

ALL BUILDERSWORK TO BE PROVIDED BY CLIENTS DEVELOPER / BUILDER UNLESS EXPRESSLY STATED OTHERWISE.

General Notes:

a. This drawing should not be scaled and no variations to the stated dimensions or materials specified will be permitted without prior written consent from DNO/IDNO.
b. The running of heating, gas, water and any other service pipes through or under the Substation is not permitted.
c. It is the responsibility of the principle contractor to ensure all measurements on site are correct ad any discrepancies are to be reported to DNO/IDNO.

Substation Location:

- It is important that the position and orientation of the substation is discussed and agreed with the DNO/IDNO prior to the commencement of any building works on site.
- Substations should be located adjacent to a public highway or reached by a private dedicated access way with full control and associated legal rights.
- 24 hour unimpeded IDNO personnel access is required at all times, 365 days of the year, any doors or gates on the access route are to be locked via DNO/IDNO dual locking device.
- Substation doors must not encroach over public footpath.

Foundations, Concrete & Reinforcement:

- The standard design shown is based on a net increase of ground pressure at formation level not exceeding 25kN/m², this is considered adequate for normal ground conditions, should special site conditions exist such as made up ground or variable bearing pressures then the client's structural engineer is to design suitable alternative foundations ** all alternative proposals to be submitted to DNO/IDNO For Comment / Approval prior to building works commencing on site.
- Local soft spots must be excavated and brought up to foundation formation level with a designated GEN1 mix to BS 8500-2 with a cement combination to ensure sulphate resistance or sulphate resisting Portland cement to BS 4027.
- Concrete to be designated C32/40 mix with 20mm aggregate, to BS 8500-2 with a cement combination to ensure sulphate resistance or sulphate resisting Portland cement to BS 4027.
- Reinforcement shall be two layers of A193 Mesh to have a minimum cover of 50mm,
- Vertical faces to be formed using full depth plywood shuttering to provide a fair face finish.
- Top of all concrete works to be finished smooth & level within ±2mm with a steel trowel ** It should be noted that a high standard of workmanship is required.

GRP Housing:
Kingsley Plastics Kiosk No. 4a

Gratings & Grating Support:

- 38mm deep molded GRP gratings open type with gritted surface, colour green by TW Engineering Co Ltd, Angular House, Eagle Rd, Quarry Hill Ind Park, Ilkeston, Derbyshire, DE7 4RB, or Captrad.

Lucy

CLEAR SPACE BEHIND RING MAIN UNIT

3.048m x 2.432m x 2.44m = 18.09m³

REVISIONS

REV	DATE	DETAILS OF DESCRIPTION	CHK'D
A	11.08.25	First Issue	AJ

fusion UTILITY NETWORKS

GROUND FLOOR, 5200 CINNABAR COURT, DARESBURY PARK, DARESBURY, WARRINGTON, WA4 4GE

STATUS	For Construction		
PROJECT	Smithfields Market		
ADDRESS	Manchester, M11 2PS		
TITLE	Substation Layout & GRP Enclosure – Unit 2		
DNO	ENWL	DRAWN BY	AJ
IDNO	UKPD	APPROVED BY	LK
SCALE	N.T.S.		
DRAWING No.	354–SUB–002	REV	A