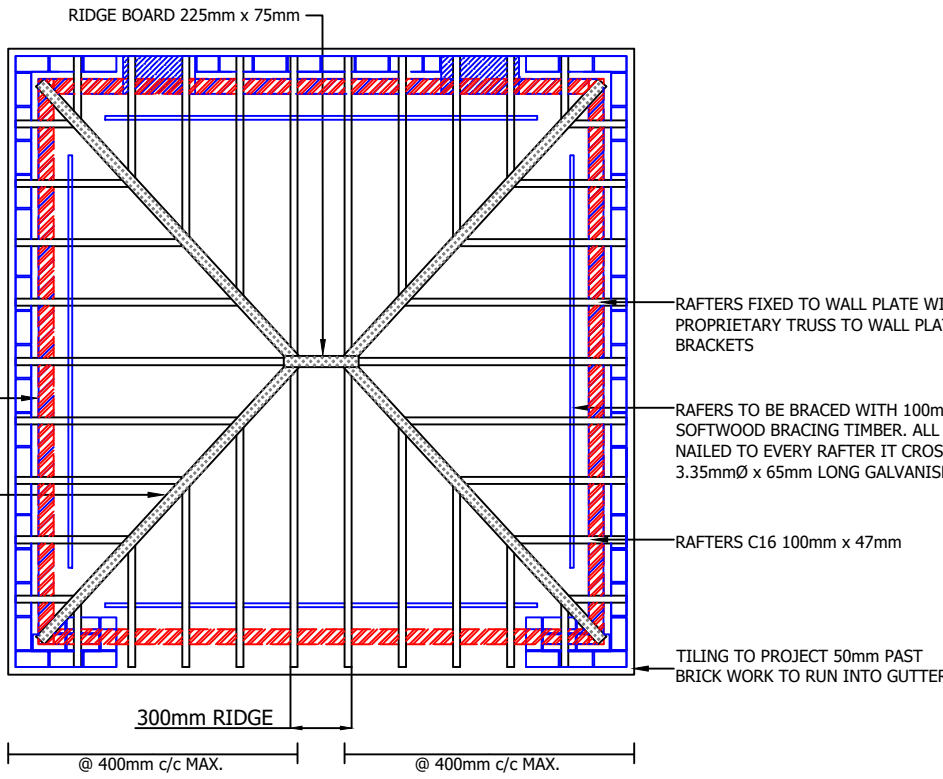
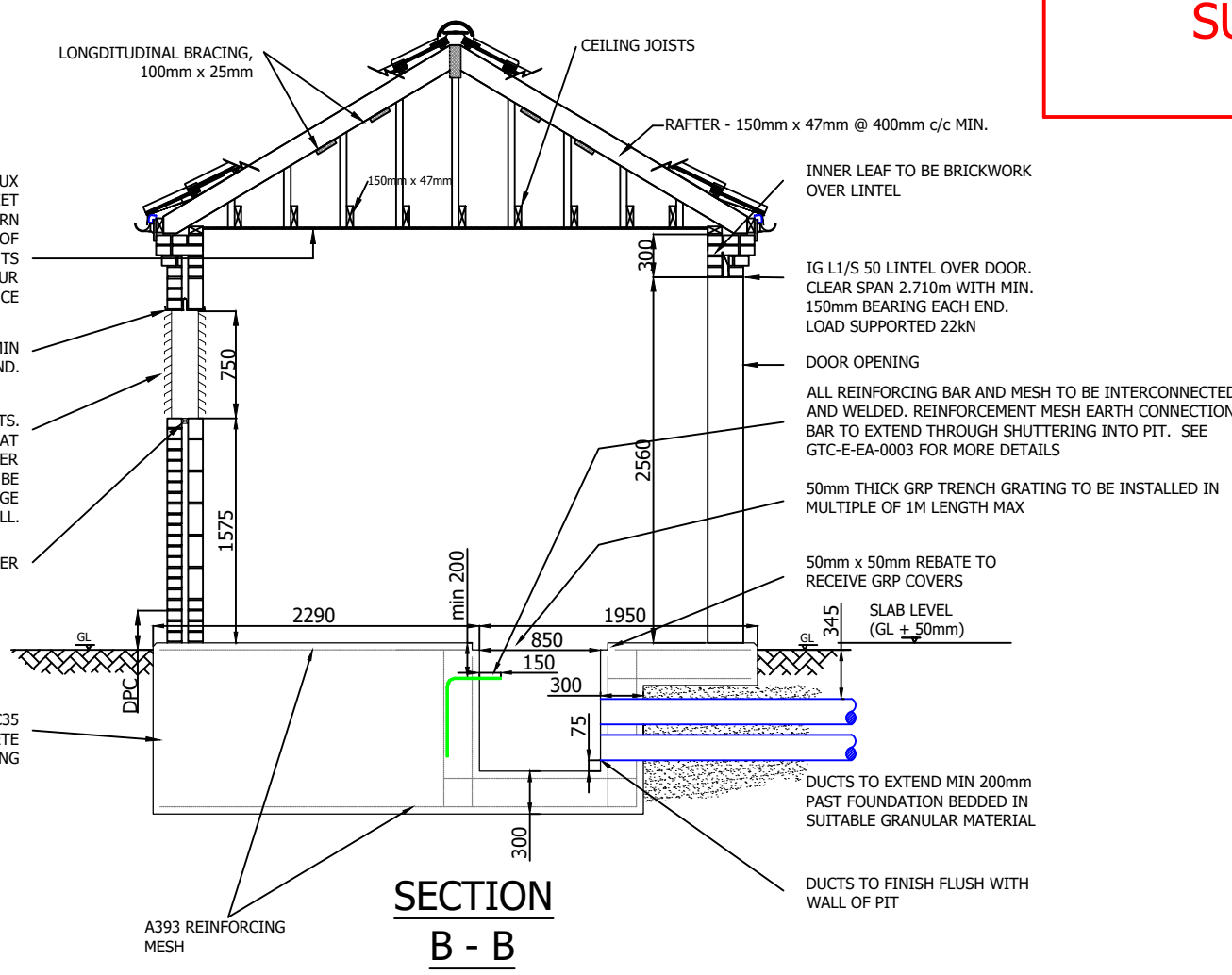




ELECTRICAL LAYOUT



0118

BREATHABLE ROOFING UNDERLAY, SUCH AS TYVEK SUPRO.

UNDERLAY SUPPORT TRAY.

OVER FASCIA VENTILATOR STRIP TO PROVIDE MIN. 10,000mm²/m RUN

150mm x 16mm PVC FASCIA BOARD

1 LAYER OF EQUIVALENT PATTERN OF ON EXPOSED JOINTS TO RESISTANCE

WALL TIES VERTICALLY STAGGERED TO BE PLACED CORREL

GALVANISED

Technical drawing of a door and window assembly. The drawing shows a cross-section of a building facade with a gabled roof. The door is centrally located, flanked by windows. The door has a central handle and a lock. The windows have shutters. The drawing includes dimensions and labels for various components.

Labels and dimensions:

- DOOR HALF BUTTER
- CATIVE - S-TYLE
- OPENING 2710W
- WE SIZE 2700W
- 2850 - 38 COURSES + 25mm STEP
- GL

100mm $\varnothing$ HALF ROUND GRP ROOF GUTTER

63mm $\varnothing$ ROUND GRP DOWN PIPE

3415

8 No. LV DUC

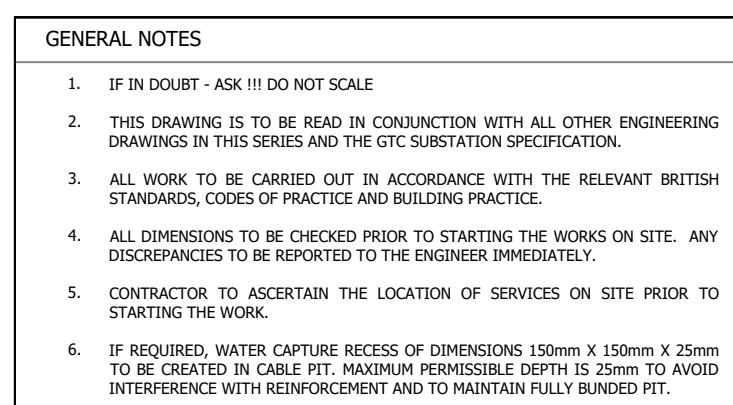
100mm ϕ HALF ROUND GRP ROOF GUTTER

63mm ϕ ROUND GRP DOWN PIPE

3 No. HV DUCTS

150

Rev	Revision Note	Date	Drawn by	Approved
1-5	Bunded foundation and various general amendments added	18/02/11	AS	MS
1-6	Dimension and Earthing amendments	10/06/11	AS	MS
1-7	Door and Eaves details amended, ducts added	29/03/12	AS	MS
1-8	Wording of sub station stamp amended	10/09/14	SW	MS
1-9	Full review of materials and fittings, subsequent updates and amendments made	10/04/18	MCU	MS
2-0	All instances of 'fire board' changed to 'supalux board or equivalent'	25/04/18	MS	MS
2-1	General notes updated	14/06/18	MS	MS
2-2	Additional Duct added, duct size amended and rearranged, LED replaced Fluorescent lights, Manufacturer for Aluminum door added.	04/10/22	KF/SK	JN



ELECTRICAL NOTES

- THE SUPPLY FOR THE SUBSTATION POWER AND LIGHTING WILL BE TAKEN FROM THE TRANSFORMER MOUNTED FUSE CABINET AUXILIARY FUSE WAY USING 6mm² COPPER SWA PVC CABLE TO SUPPLY A SINGLE PHASE 25A STREET LIGHTING CUT OUT MOUNTED ABOVE THE POWER AND LIGHTING FUSE BOARD. THIS WILL FEED A 100A CONSUMER UNIT WITH A MINIMUM OF 4 MCB CONTROLLED WAYS (2No 16A FOR POWER AND 1No 6A FOR LIGHTING WITH A SPARE 16A WAY FOR SPECIAL REQUIREMENTS SUCH AS SCADA OR REMOTE ACTUATOR UNITS. EACH OUTGOING WAY WILL BE LABELED TO IDENTIFY CIRCUITS.

ALL INTERNAL WIRING TO BE CONTAINED IN 20mm HIGH IMPACT BLACK PVC CONDUIT AND ALL ACCESSORIES WILL BE NON METALLIC HIGH IMPACT AND FULLY INSULATED AND WEATHERPROOF AND SOURCE FROM A QUALITY MANUFACTURER (e.g. MEM OR MK)

TWO 13A SWITCHED SOCKET OUTLETS WITH 30mA RCD PROTECTION WILL BE PROVIDED IN A CONVENIENT LOCATION ON THE LEFT HAND SIDE OF THE SUBSTATION.

THREE 17W LED BULKHEAD LIGHTS TO AT LEAST IP56 SPECIFICATION WILL BE FITTED TO THE WALLS (ONE EITHER SIDE OF DOOR AND ONE CENTRE REAR WALL) AND CONTROLLED BY A NON METALLIC FULLY INSULATED LIGHTING SWITCH FITTED 1350mm ABOVE FINISHED FLOOR LEVEL ON THE WALL ADJACENT TO LEFT OPENING DOOR.

THE ELECTRICAL INSTALLATION IS TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF

FOR SUBSTATIONS WITH SEPARATE HV AND LV EARTHING (HOT EARTHING)

CARE MUST BE TAKEN WITH LIGHTING AND SOCKET SUPPLIES TO AVOID THE POSSIBILITY OF MAKING CONTACT BETWEEN DIFFERENT EARTHING SYSTEMS. ISOLATION TRANSFORMER TO BE USED FOR LIGHTING AND RTU POWER SUPPLY.

AT HOT SITES ALL FITTINGS, SWITCHES AND CONDUIT MUST BE NON-METALLIC AND FULLY INSULATED TO THE SPECIFICATION ABOVE.

ALL 13A SOCKETS MUST BE DISCONNECTED OR REMOVED, SOCKET OUTLETS IN THE TRANSFORMER MOUNTED FUSE CABINET MUST BE LABELED WITH WARNING SIGN: "DO NOT USE HOT SITE"

● LIGHT SWITCH

● LIGHT SWITCH

⏏ 13A SWITCHED SOCKET OUTLET

 DISTRIBUTION BOARD
 17W LED LIGHT

APPROVED SUPPLIERS

GTC APPROVED - GRP SUBSTATION DOORS, STEEL VENTILATORS AND GRP TRENCH COVERS
WOLSELEY (FORMALLY UTILITY POWER SYSTEMS), CARWOOD ROAD, CHESTERFIELD
TRADING ESTATE, CHESTERFIELD, DERBYSHIRE, S41 9QB
Tel: 0344 251 1666
Fax: 01246 455915
Email: sales@utilitypowersystems.co.uk

GTC APPROVED - STEEL DOORS AND VENTILATORS AND GRP TRENCH COVERS:
SUNRAY ENGINEERING LTD, KINGSNORTH INDUSTRIAL ESTATE, WOOTON ROAD, ASHFORD,
KENT, TN23 6LL
Tel: 01233 639039
Fax: 01233 625137
Email: sales@sunraydoors.co.uk

GTC APPROVED - STEEL DOORS AND VENTILATORS:
BRADBURY ENGINEERING, DUNLOP WAY, QUEENSWAY INDUSTRIAL ESTATE, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN16 3RN
Tel: 01724 271999
Fax: 01724 271888
Email: sales@bradburyuk.com

GTC APPROVED - Aluminium Doors:
TS DESIGNS, UNIT-5 THE GATEWAY CENTRE, CRESSEX BUSINESS PARK, HIGH WYCOMBE,
HP12 3SJ
Tel: 01494 976976
Email: enquiries@ts-designs.com

Drawing Scale : 1:50	 the electricity network co
O.S.REF : N/A	
Network Number : N/A	
Project Number :	
Drawing Number : GTC-F-SS-0012 R2-2 1 of 1	

CLOSE COUPLED SUBSTATION
PYRAMID ROOF DETAIL
GENERAL ARRANGEMENT

SHEET SIZE	A1
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