

GENERAL NOTES

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND BUILDING PRACTICE.

ALL DIMENSIONS TO BE CHECKED PRIOR TO STARTING THE WORKS ON SITE. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

THE USE OF LEAD AS PART OF WATERPROOFING SYSTEMS SHOULD BE AVOIDED UNLESS ESSENTIAL.

ALL WORKS TO COMPLY WITH CURRENT EDITIONS OF MANUFACTURER'S TECHNICAL LITERATURE FOR PRODUCTS SELECTED.

CARRY OUT ALL TILING IN ACCORDANCE WITH BS 5534:2003.

EARTHWORKS

ALL FOUNDATIONS SHALL BE SET OUT ON UNDISTURBED INORGANIC STRATA THAT PROVIDE MINIMUM SAFE ALLOWABLE BEARING CAPACITY OF 50kN/m².

THE BOTTOM OF THE EXCAVATED AREA SHALL BE LEVEL AND WELL RAMMED OR COMPACTED. ALL EXCAVATIONS SHALL BE KEPT FREE FROM ALL WATER.

AN ADAPTED ACTIVE SOIL DRAINAGE SYSTEM WILL BE INSTALLED WHERE THE WATER TABLE CAN RISE WITHIN 250mm OF THE SUBSTATION PLINTH.

CONCRETE

MASS CONCRETE FORMS WILL BE CURED WITH A MINIMUM CEMENT CONTENT OF 220kg/m³ GENS CONCRETE MIX WITH A MIN. STRENGTH CLASS OF C16/20 AND CONSISTENCE CLASS OF S3

REINFORCED CONCRETE FORMS WILL BE CURED WITH A WATER CEMENT RATIO OF 0.4 AND MINIMUM CEMENT CONTENT OF 200kg/m³ AC 20/35 CONCRETE MIX WITH A MINIMUM STRENGTH CLASS OF 28/35 AND CONSISTENCE CLASS OF S3.

WHERE NOT FORMED AGAINST UNDISTURBED GROUND THE FORMED SURFACES SHALL BE TO AN F2 FINISH WITH JOINTS IN THE SURFACE BEING NOT GREATER THAN 10mm DIAMETER. FINISH TO EXPOSED FLOORS AND PLINTHS WILL BE W2/W3.

IT IS ESSENTIAL THAT TOLERANCES FOR A FLAT AND SMOOTH SURFACE OF 1mm OVER 1m OR 3mm OVER 3m ARE MET.

EXPOSED PLINTH EDGES SHALL HAVE A 50mm CHAMFER. EDGES OR CORNERS OVER WHICH CABLES SHALL PASS SHALL BE ROUNDED.

NOTE: NEW STANDARD BS EN 206-1: 06:001 NOW APPLIES. STRUCTURAL ENGINEER TO ENSURE ALL CONCRETE GRADES LISTED ABOVE CONFORM TO A MINIMUM OF CLASS 3.

MASONRY

ALL MASONRY TO BE IN ACCORDANCE WITH BS5628-3:2001.

INNER AND OUTER SKINS SHALL BE LAID IN STRETCHER BOND, AND TIED WITH

STAINLESS STEEL WALL TIES, MINIMUM DIAMETER "DOUBLE TRIANGLE", "VERTICAL" TWIST FIXINGS. TIES SHALL BE GIVEN DISTRIBUTION AT MAXIMUM 900mm CENTRES VERTICALLY AND 375mm HORIZONTALLY, STAGGERED IN ALTERNATIVE COURSES WITH ADDITIONAL TIES AT OPENINGS.

ROOF MATERIALS SHALL BE SELECTED TO MAXIMIZE DURABILITY CONSISTENT WITH THE ARCHITECTURAL OR PLANNING REQUIREMENT FOR THE SUBSTATION.

ALL TIMBER TO BE KEPT DRY PRIOR TO BEING PROCESSED. PRESERVATIVE TREATED.

THE USE OF LEAD AS PART OF WATERPROOFING SYSTEMS SHOULD BE AVOIDED UNLESS ESSENTIAL.

ALL WORKS TO COMPLY WITH CURRENT EDITIONS OF MANUFACTURER'S TECHNICAL LITERATURE FOR PRODUCTS SELECTED.

DOOR FURNITURE AND SUBSTATION LOCKING

EXTERNAL MASONRY SHALL BE CLAY FACED BRICKWORK OF MINIMUM 70kN/m² NEAR COMPRESSIVE STRENGTH AND A DURABILITY DESIGNATION F1 S2 OR BETTER.

INTERNAL MASONRY SHALL BE LIGHT COLOURED SOLID SMOOTH FAIR FACED CONCRETE FACED BRICKWORK WITH A MINIMUM COMPRESSIVE STRENGTH OF 3.0kN/m² AND A DRY DENSITY OF 400kg/m³.

THE DPC, TO BOTH INTERNAL AND EXTERNAL WALL SKINS, SHALL COMPREHE 2 COURSES OF BLUE ENGINEERING BRICKS OR PROPRIETARY DPC MEMBRANE.

MORTAR SHALL BE SAND LIME, MIX 1:4, WHERE REQUIRED, THE USE OF SULPHATE RESISTING CEMENT (E.G. BELOW GROUND) WILL BE USED.

EXTERNAL AND INTERNAL POINTING TO BE "BUCKET HANDLE" FINISH. OTHER POINTING STYLES, E.G. WEATHER STRIKE, BEHESED, ETC MAY ONLY BE USED WHERE REQUIRED TO MATCH ADJACENT BUILDINGS.

FLOORS SHALL RECEIVE TWO COATS OF GREY CONCRETE FLOOR PAINT.

FINISHES

WALLS & CEILINGS SHALL RECEIVE TWO COATS OF WHITE EMULSION PAINT FOR DUST SEALING.

ROOF GUTTERS TO BE UPVC 100mm HALF ROUND OR EQUIVALENT "SQUARE SECTION" ROOF DOWN PIPES ARE TO BE 63mm DIA. OR EQUIVALENT "SQUARE SECTION" UPVC. ALL GUTTERS AND PIPES TO BE BLACK UNLESS OTHERWISE SPECIFIED TO MATCH ADJACENT BUILDINGS.

THE CONSTRUCTION OF THE HEAD STANDING IN FRONT OF THE SUBSTATION SHALL BE SUCH THAT ALL WATER DRAINS AWAY FROM THE THRESHOLD OF THE DOOR. ALL DRAINAGE MUST DISCHARGE INTO AN ADOPTED SURFACE WATER DRAINAGE SYSTEM.

VENTILATION

EACH STANDARD SUNRAY ENGINEERING SET OF LOUVRES (VENTS AND DOORS) IS AT LEAST 41.7% EFFICIENT. GENERATOR FLAP REQUIRED IN ONE OF THE LOUVRES.

APPROVED SUPPLIERS

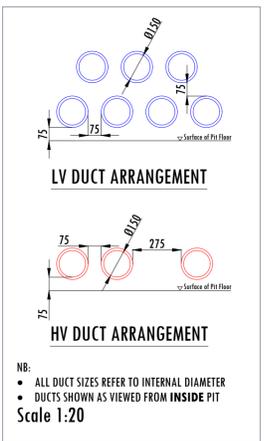
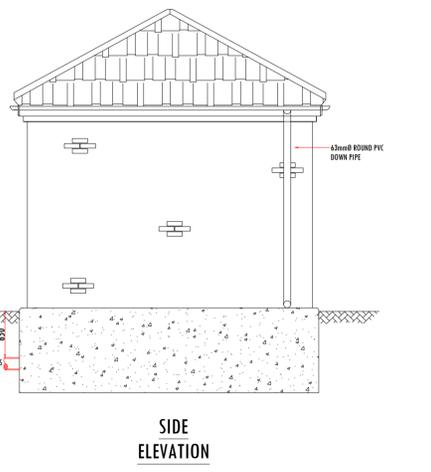
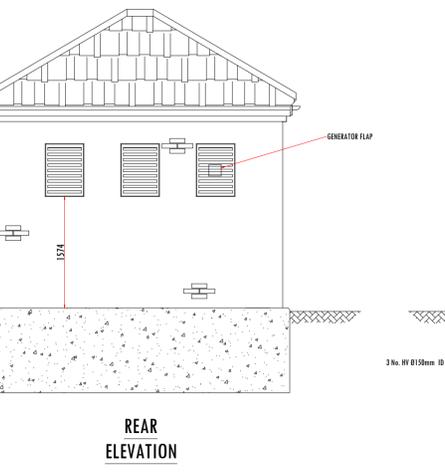
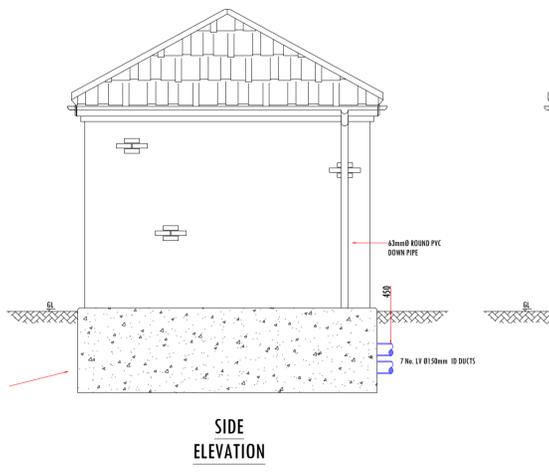
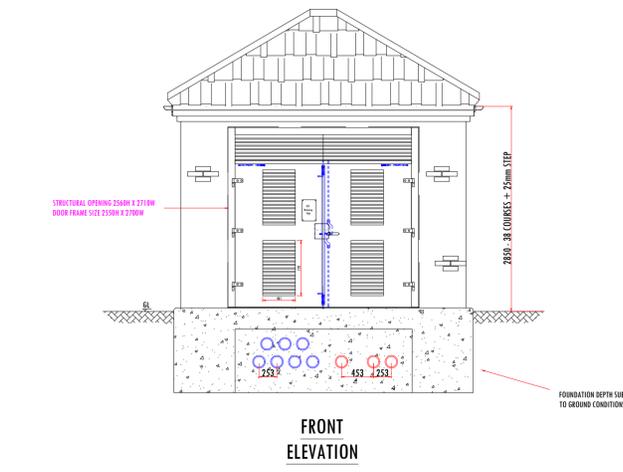
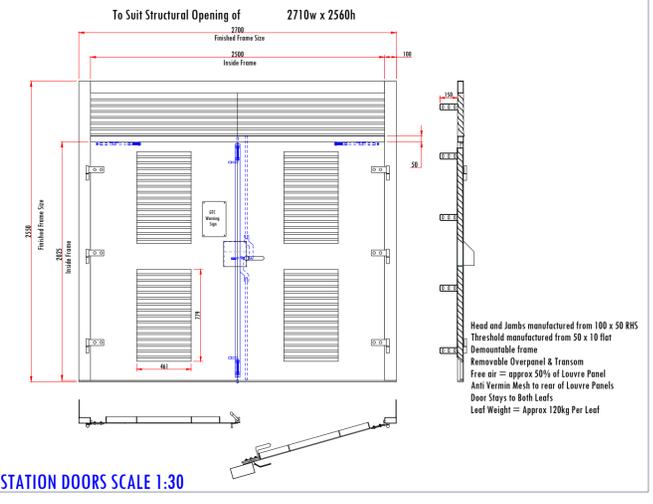
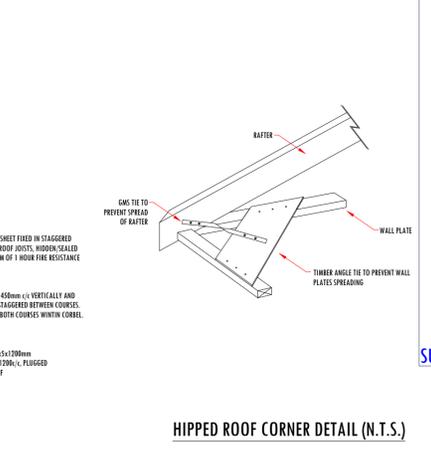
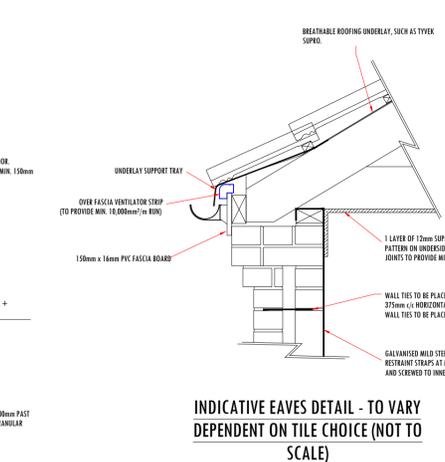
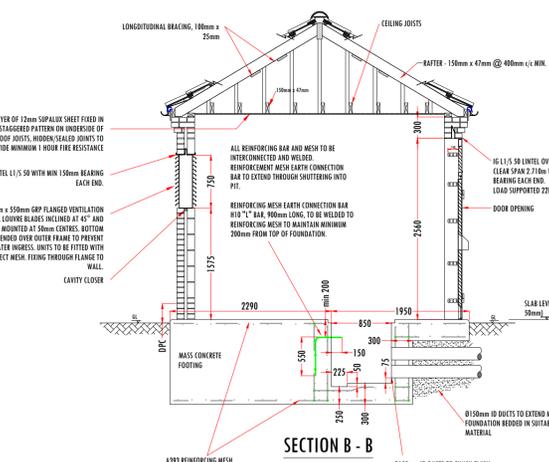
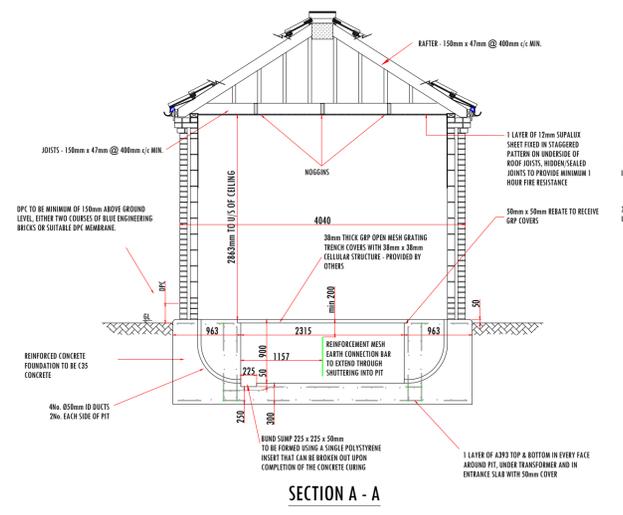
STEEL DOORS AND VENTILATORS:
SUNRAY ENGINEERING LTD, KINGSTON INDUSTRIAL ESTATE, WOOTTON ROAD, ASHFORD, KENT TN23 4LL
Tel: 01223 839009
Fax: 01223 831327
Email: SALES@SUNRAYDOORS.CO.UK

CEILING/WALL SYSTEM
EXCO, 25 WILFORD ROAD, READING, BERKSHIRE, R1 1LJ
Tel: 01189 588386

EARTHING

A DETAILED EARTHING ARRANGEMENT SHALL BE PROVIDED SEPARATE TO THIS DRAWING.

NOTE: IF ADDITIONAL EARTHING MATERIAL OR BUILDERS WORK IS REQUIRED OVER AND ABOVE THE STANDARD EARTHING ARRANGEMENT IN ORDER TO ACHIEVE A SUITABLE RESISTANCE TO EARTH, INCLUDING THE USE OF IMPORTED MATERIALS TO IMPROVE THE RESISTANCE TO LEAKS (E.G. BENTONITE OR SIMILAR), ALL COSTS SHALL BE BORNE BY THE DEVELOPER.



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| 0 | ORIGINAL ISSUE | 01/07/24 | JO | xx |
| Rev | Amendment | Date | Drwn | Chkd |
| Drawing Title: CONSTRUCTION DETAILS | | | | |

POWER ON

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POTTERS MARSTON HALL
LEICESTERSHIRE, LE9 3JR
TELEPHONE: 03453 223322
enquiries@poweron-uk.co.uk

Electricity Water Wastewater Fibre Heat Gas

| | |
|--------------|---|
| Client | ROBERTSON LTD |
| Project Name | LAND OFF KENMORE DRIVE |
| Site Address | LAND OFF KENMORE DRIVE, CLECKHEATON, WEST YORKSHIRE, BD19 3EJ |

IF IN DOUBT - ASK

| | | | |
|---------------------------------------|----------------|----------------------|--------------------|
| Design Engineer | JAHAL ODEBRA | Mobile | 07971779434 |
| Construction Engineer/Project Manager | VINCENT DURKAN | Mobile | 07970884256 |
| Scale | 1:50 | Orig. Size | A1 |
| Network Operator Ref. | N0024761-1 | Contract Drawing No. | P-0104036-0001-020 |
| Sheet | 1/1 | | |

BASED ON GTC DRAWING GTC-E-SS-0012_R1-7 - Pyramid Roof Brick Built Enclosure & POWER ON LIBRARY DRAWING POC-SS-0002-rev1-Stand Alone Brick Construction Details

SCALE 1:50