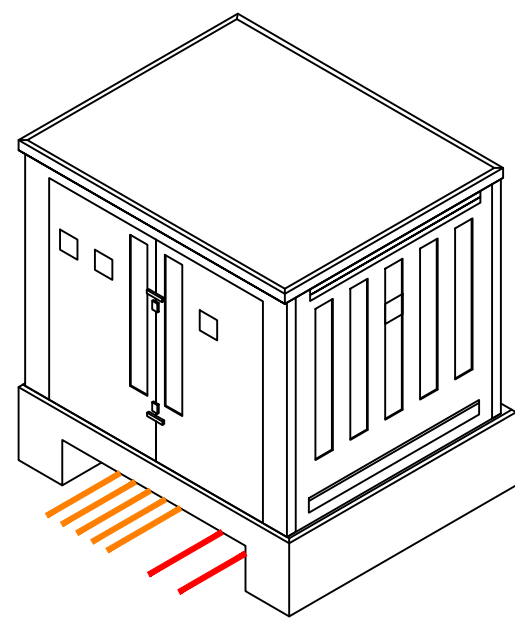
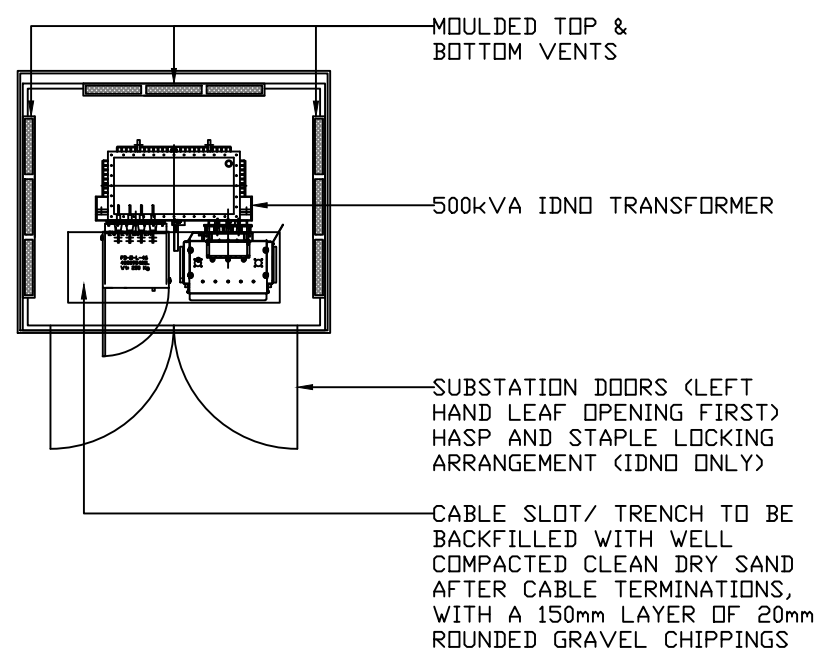


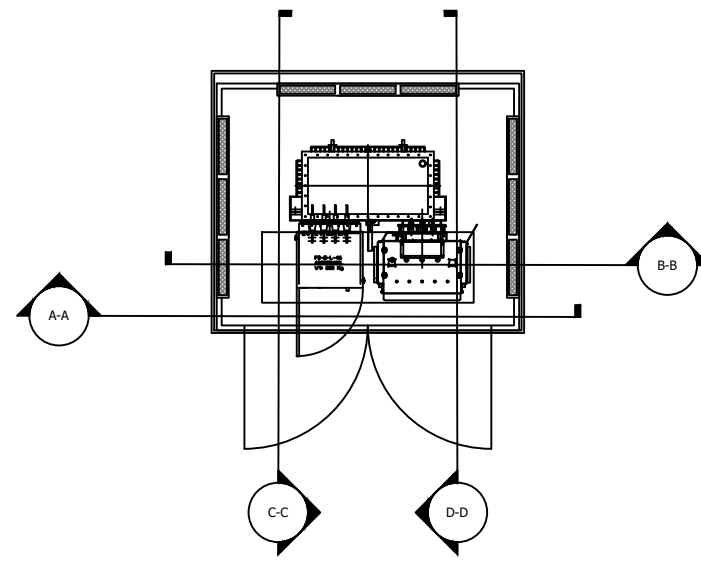
ISOMETRIC VIEW



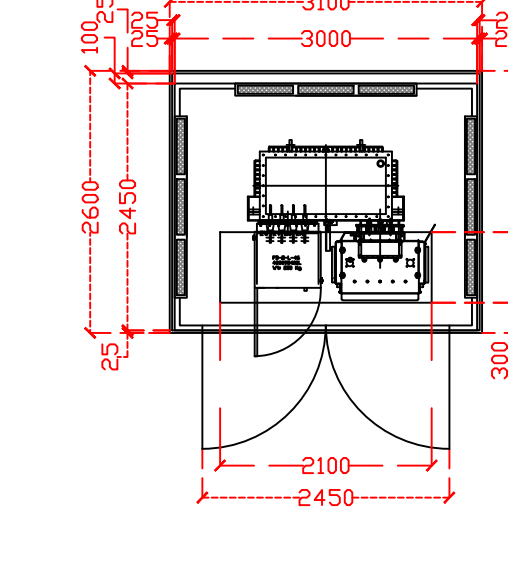
PLAN VIEW



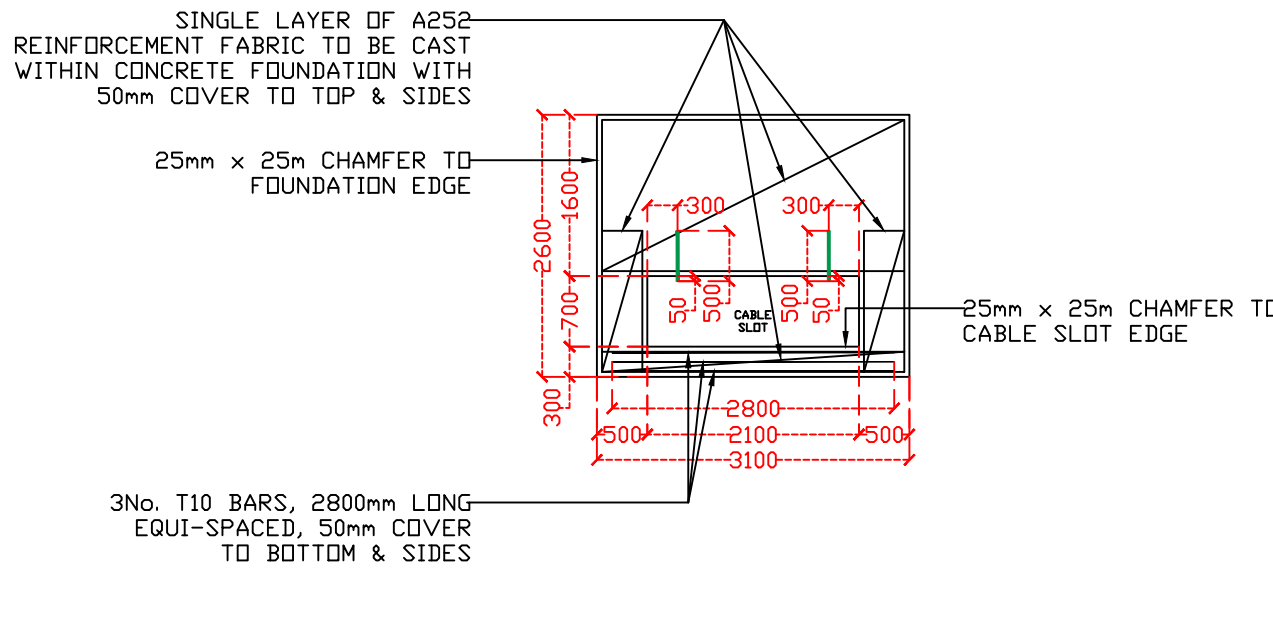
CROSS SECTION PLAN



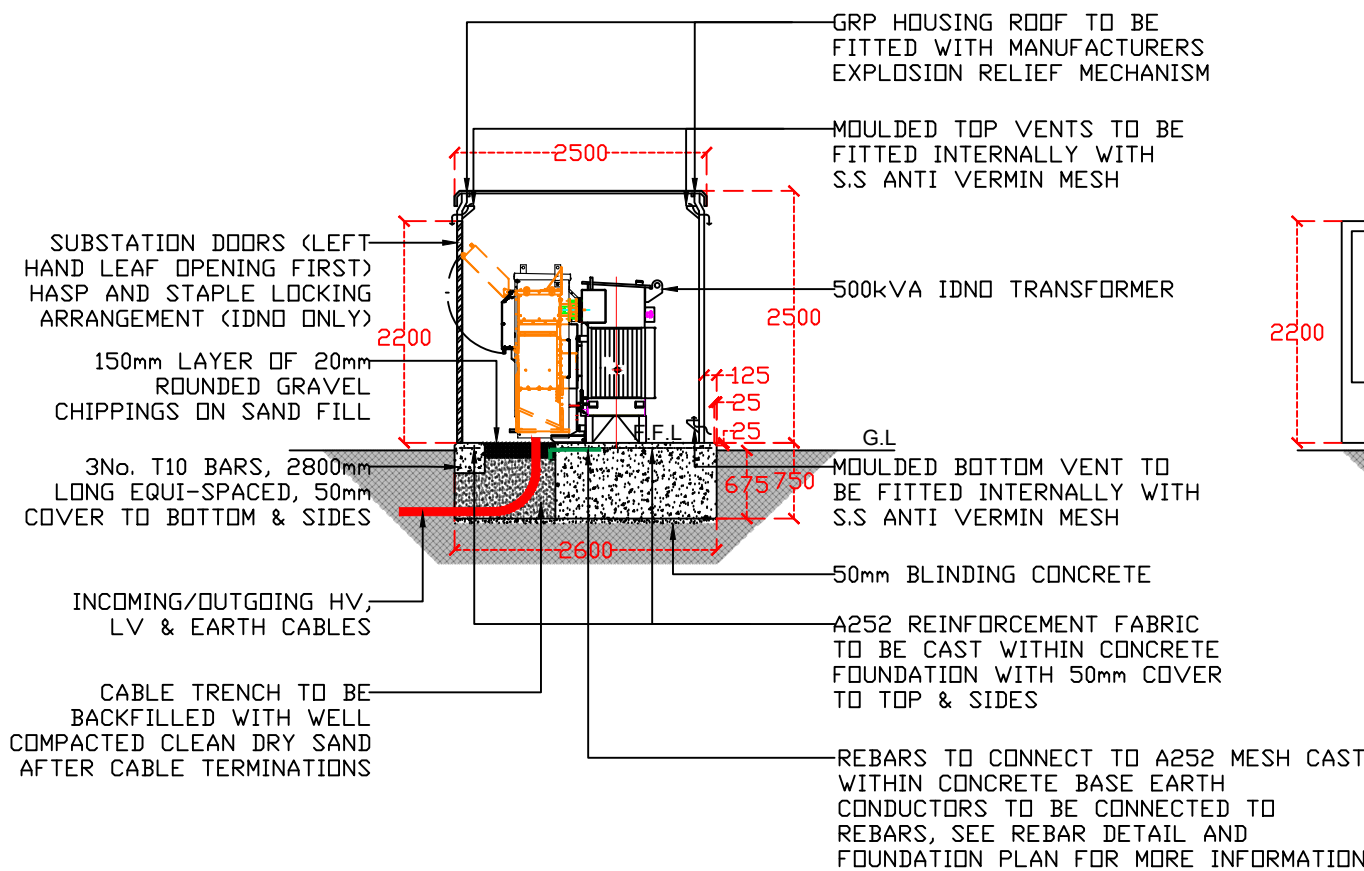
DIMENSION PLAN



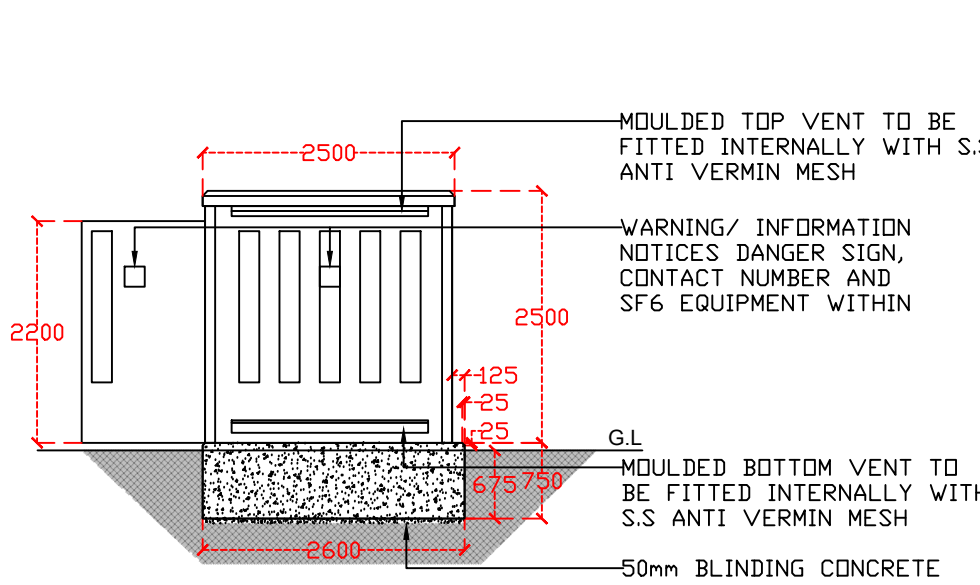
FOUNDATION PLAN



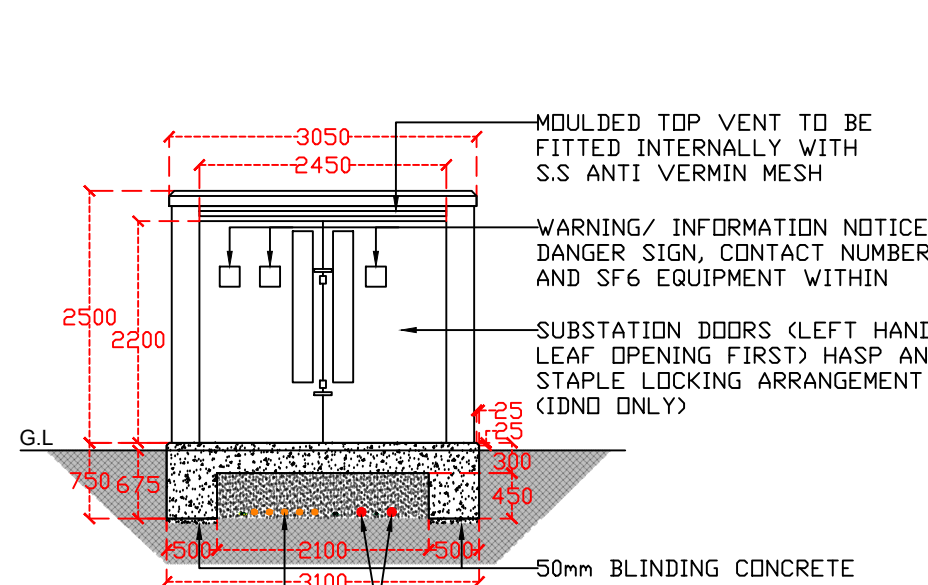
CROSS SECTION D-D



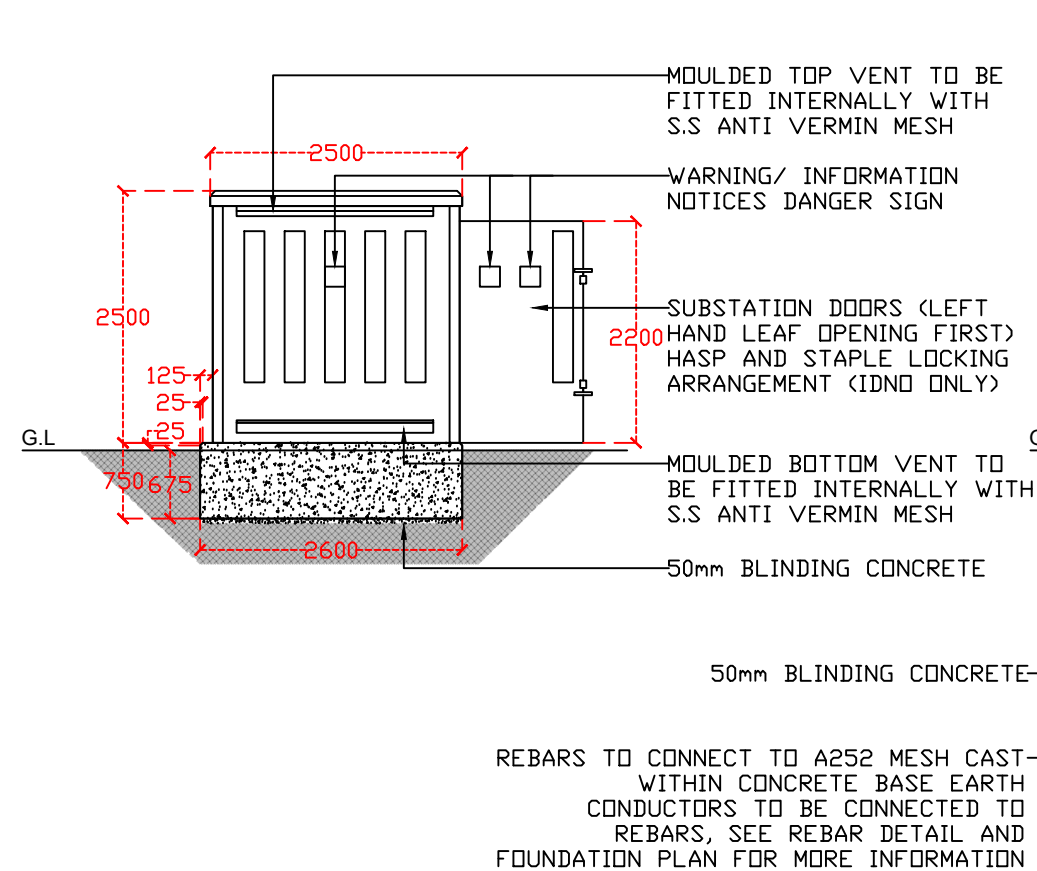
SIDE ELEVATION



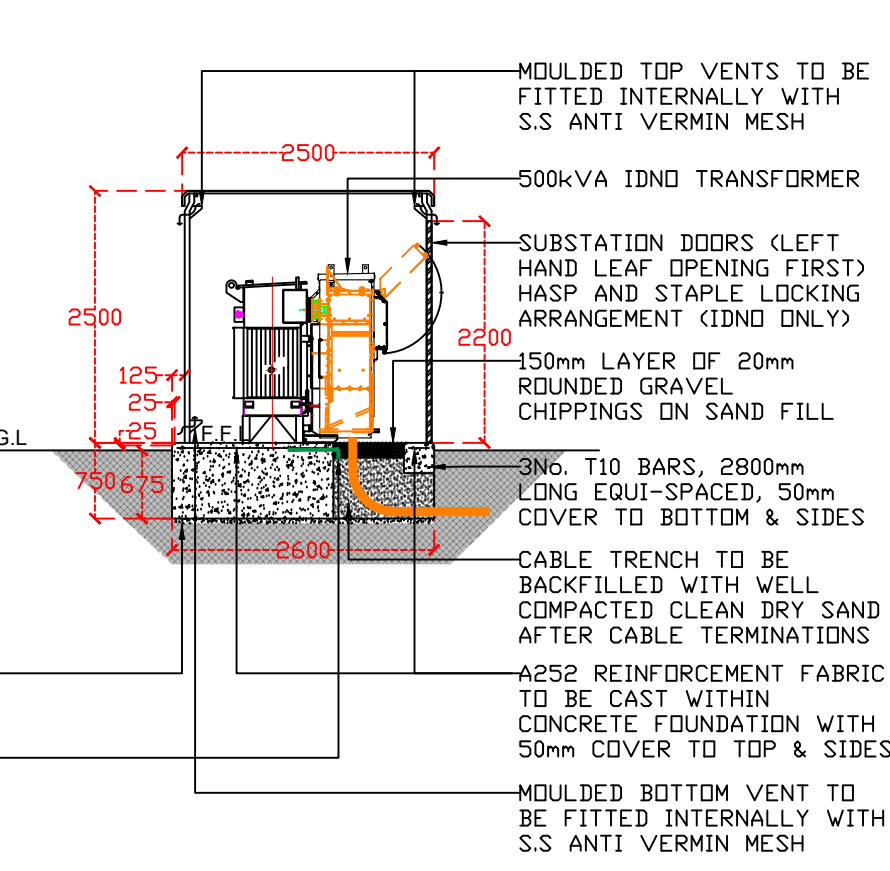
FRONT ELEVATION



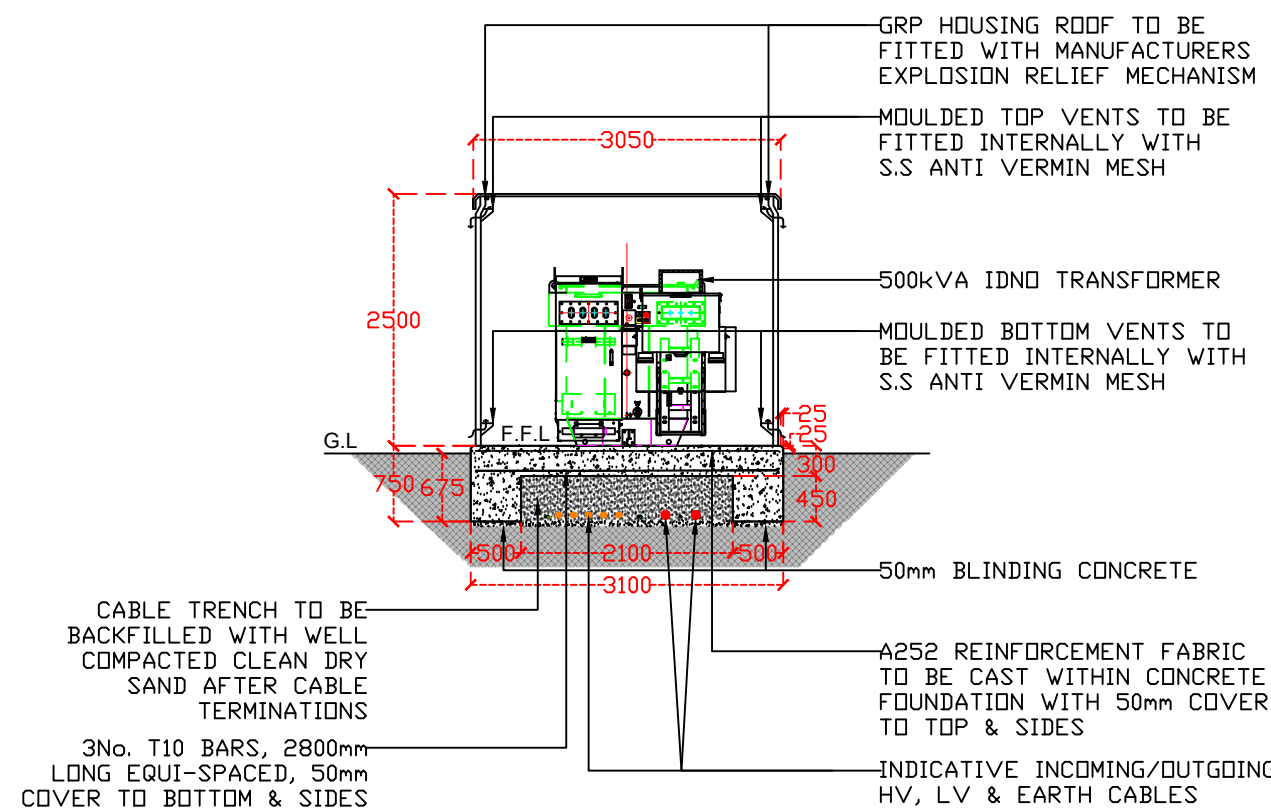
SIDE ELEVATION



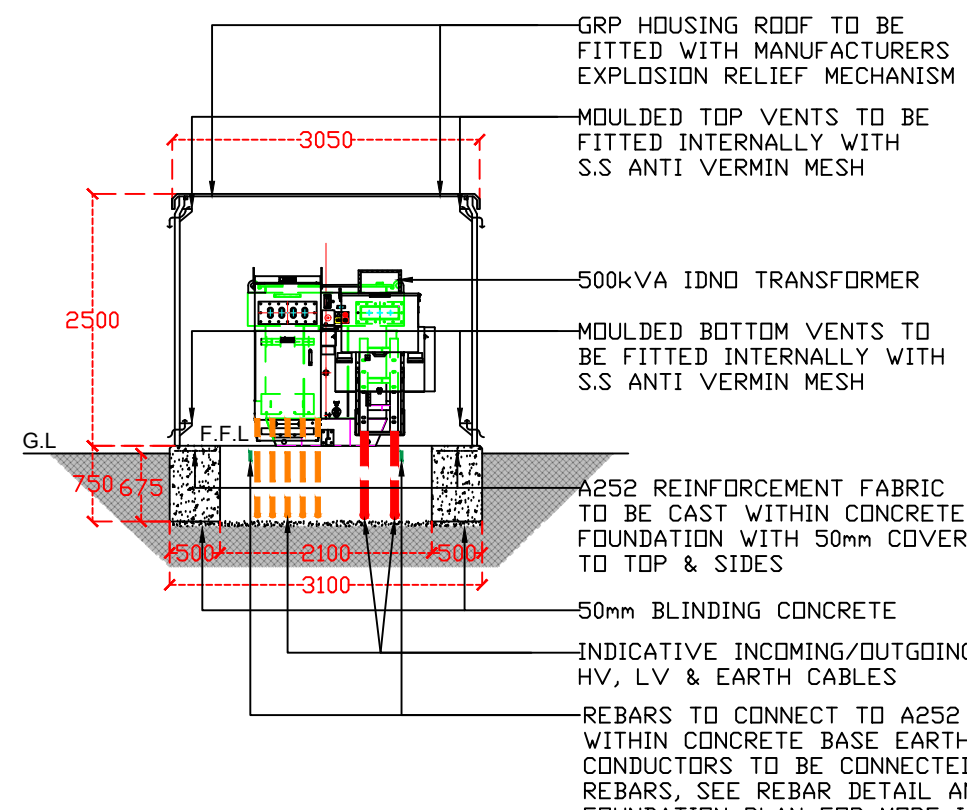
CROSS SECTION C-C



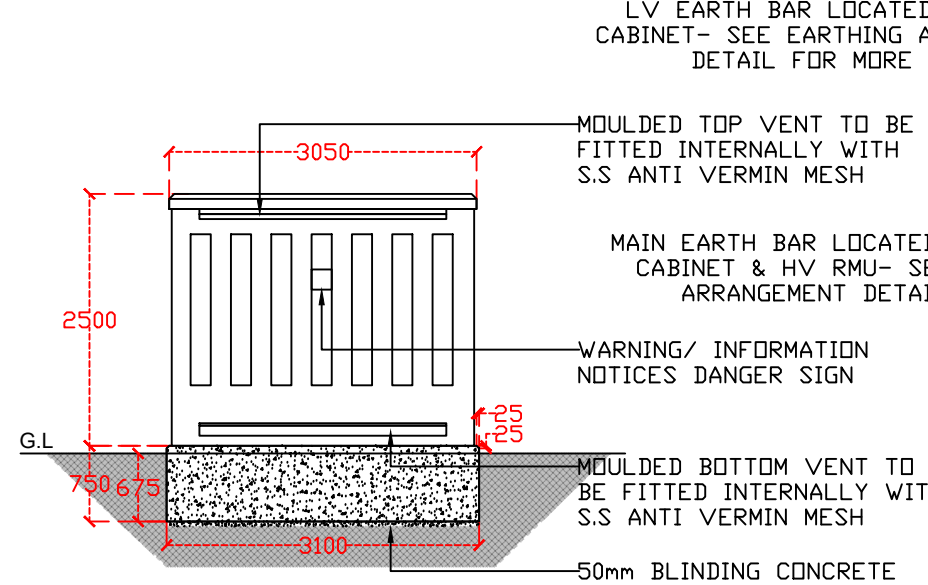
CROSS SECTION A-A



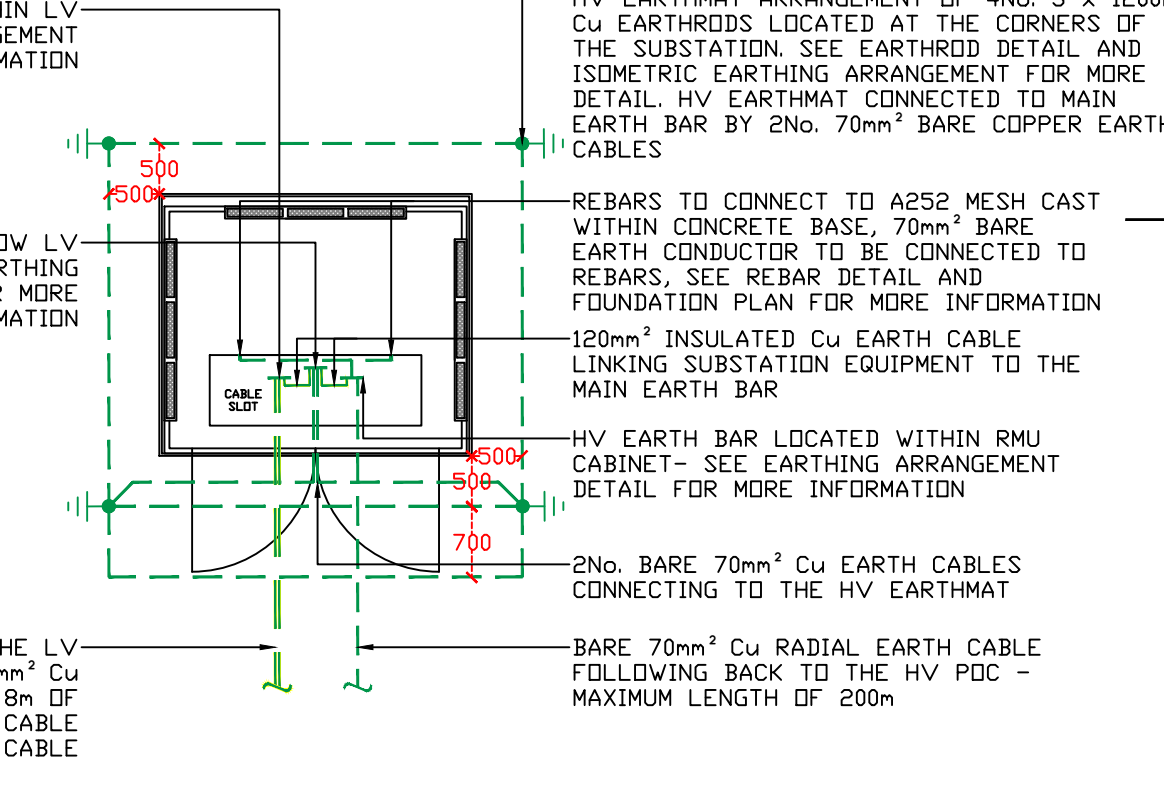
CROSS SECTION B-B



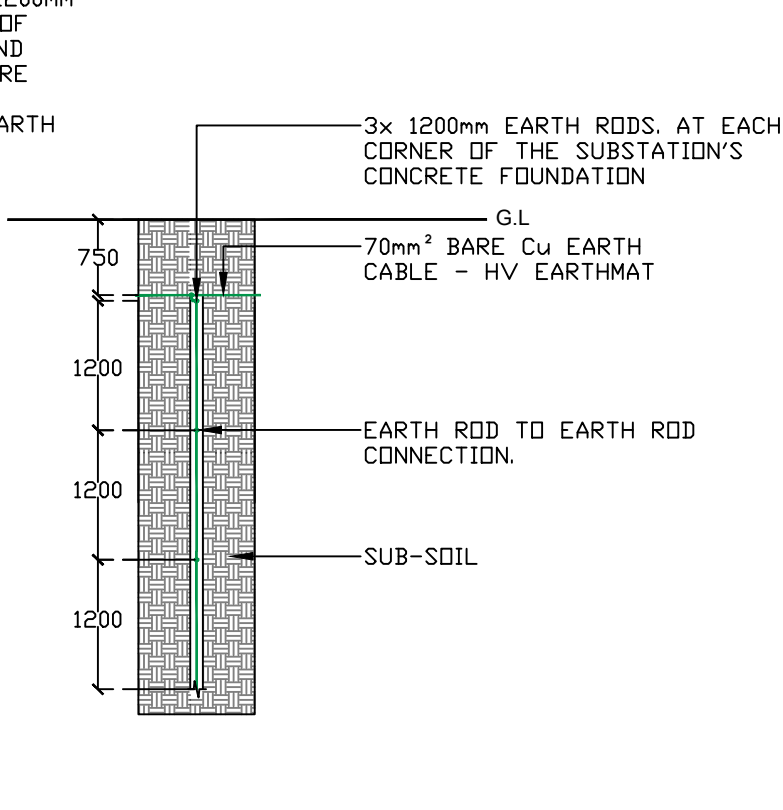
REAR ELEVATION



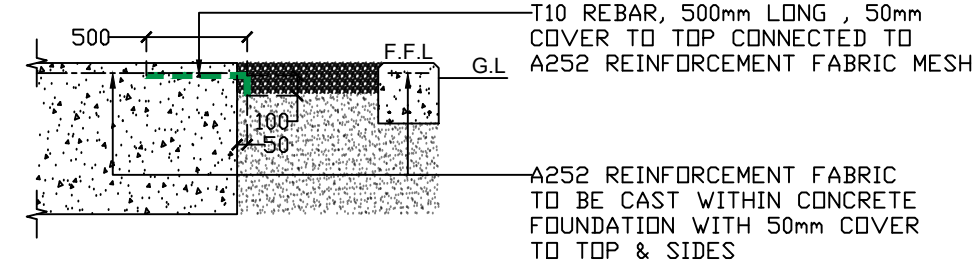
EARTHING ARRANGEMENT



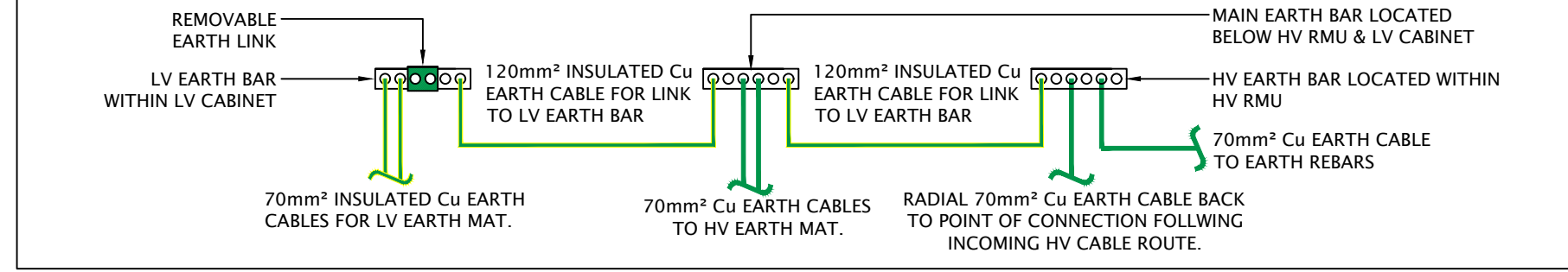
EARTH ROD DETAIL (NTS @ A0)



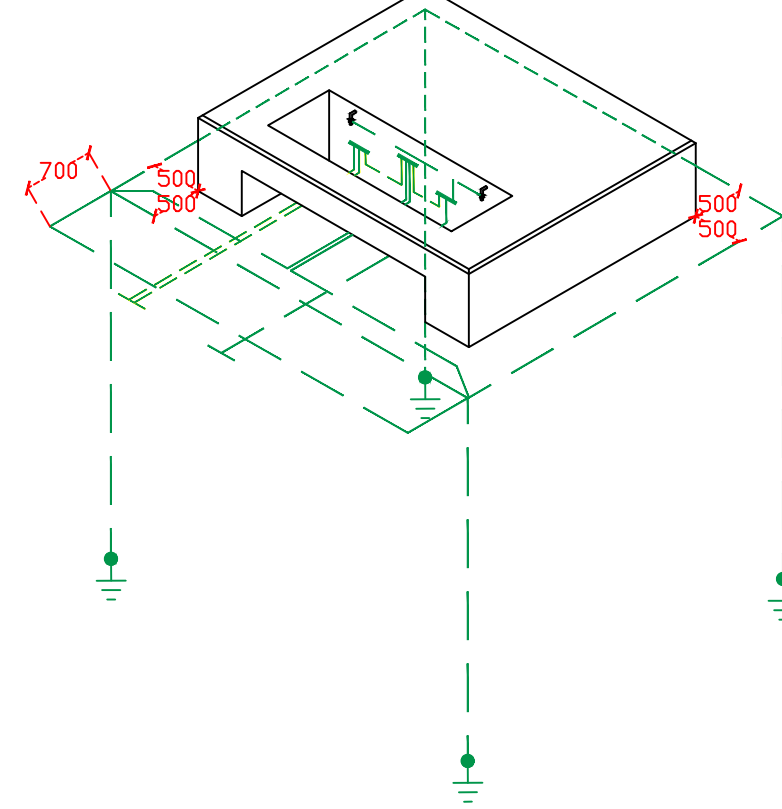
REBAR DETAIL (NTS @ A0)



EARTHING ARRANGEMENT DETAIL (NTS @ A0)



EARTHING ARRANGEMENT ISOMETRIC VIEW



NOTES

CONCRETE

THE CONCRETE TO BE IN ACCORDANCE WITH THE SPECIFICATION AND ATTAIN THE RELEVANT 40N/mm² CUBE CRUSHING STRENGTH AT 28 DAYS

EARTHWORKS

PLINTH TO BE SET ON UNDISTURBED INORGANIC STRATA THAT PROVIDE THE REQUIRED MINIMUM DESIGN SAFE GROUND BEARING CAPACITY

PLINTH

CONCRETE TO HAVE 40N/mm² 28 DAY CUBE STRENGTH. A FLAT, LEVEL AND SMOOTH FLOOR SURFACES ESSENTIAL FOR INSTALLATION OF PLANT. TOLERANCE TO FINISHED LEVEL EXPRESSED AS A MAXIMUM PERMISSIBLE DEVIATION BENEATH A STRAIGHT EDGE WITH FEET PLACED ANYWHERE ON THE FLOOR SHALL NOT EXCEED 1mm IN 1m OR 3mm IN 3m. DEPTH OF PLINTH MAY INCREASE TO SUIT SITE SPECIFIC GROUND CONDITIONS, OTHERS TO CONFIRM AMENDED DEPTH

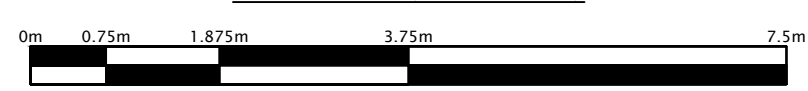
CABLE SLOT/ TRENCH

ON COMPLETION OF CABLE TERMINATIONS, CABLE AREA TO BE FILLED WITH DRY SAND AND TOPPED WITH 150mm DEPTH OF 20mm ROUNDED GRAVEL CHIPPINGS

DRAWING REFERENCES

FOR ADDITIONAL INFORMATION REFER TO:
• SCOTTISH POWER ENERGY NETWORKS DWG No: SP2022244 "TYPICAL FOUNDATION PLINTH FOR 11kV UNIT SUBSTATION WITH 3.0m x 2.45m GRP ENCLOSURE"
• SCOTTISH POWER ENERGY NETWORKS TECHNICAL SPECIFICATION DOCUMENT: SUB-03-017 "GENERAL SPECIFICATION FOR THE CIVIL ENGINEERING AND BUILDING DESIGN AND CONSTRUCTION OF SECONDARY SUBSTATIONS"
• AMEON UTILITIES DWG: AU/1915/TE001 "TEMPORARY INCOMING HV SUPPLY"

SCALE BAR (1:75 @ A1)



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SITE OS REFERENCE:
X: 344947 Y: 392704
AU PROJECT No: DMS5 No
AUG 2025 1 OF 1

UNIT 2 GRP SUBSTATION PROPOSAL

AU DRAWING No: AU-1256-02-E009
DESIGNED BY: DB
DRAWN BY: MP
DATE CREATED: AUG 2025
SHEET No: 1 OF 1
SCALE AT A1: 1:75
REVISION: P1