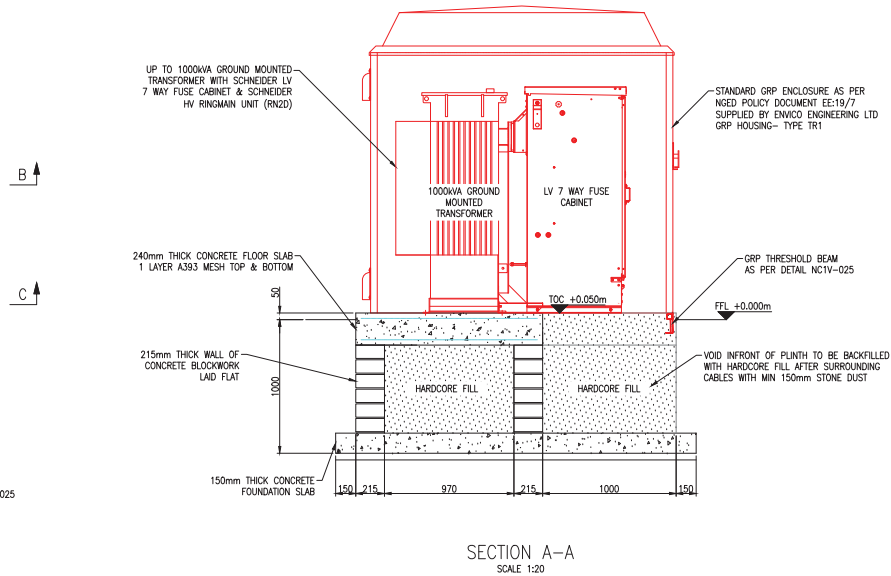
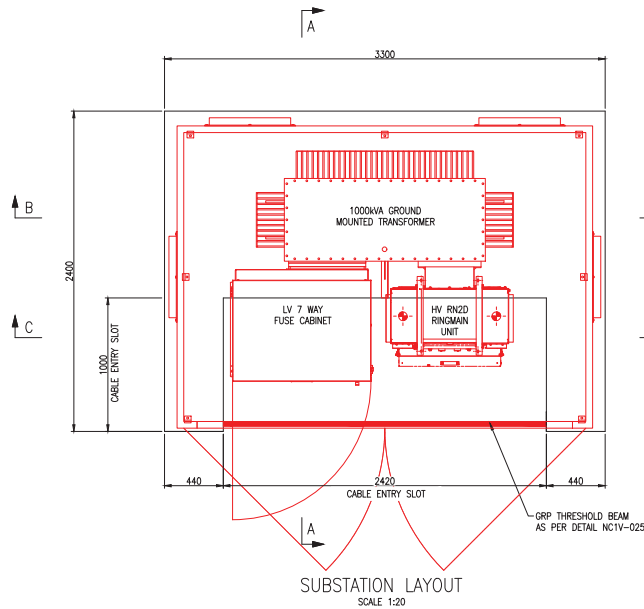


SPECIFICATION NOTES

DO NOT SCALE THIS DRAWING.
ALL WORK IS TO BE CARRIED OUT TO THE APPROVAL OF NGED ENGINEER WORKMANSHIP AND MATERIALS TO CONFORM WITH THE LATEST EDITION OF THE RELEVANT CODES OF PRACTICE OR BRITISH STANDARDS AND EUROCODES
THE CONTRACTOR IS TO LOCATE AND DIVERT SERVICES AS NECESSARY PRIOR TO EXCAVATION WORK.
ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

EXCAVATION

FORMATION LEVEL TO BE INSPECTED BY A SUITABLY QUALIFIED/EXPERIENCED ENGINEER TO ENSURE THAT IT IS OF SUITABLE DENSITY. ANY SOFT OR VERY LOOSE POCKETS ENCOUNTERED ARE TO BE EXCAVATED AND REPLACED WITH BLINDING CONCRETE. MAXIMUM FOUNDATION BEARING PRESSURE- 100kN/m²
CLAY SOILS ARE LIKELY TO RAPIDLY SOFTEN UPON EXPOSURE TO RAINWATER, RAIN OR FROST AND SHOULD THEREFORE BE COVERED WITH BLINDING CONCRETE AS SOON AFTER EXPOSURE AND CHECKING AS POSSIBLE. WHERE THIS IS UNAVOIDABLE, THE UPPER SOFTENED LAYER SHOULD BE SKIMMED PRIOR TO BLINDING.

CONCRETE SPECIFICATION

ALL STRUCTURAL CONCRETE TO BE C32/40 WITH NOMINAL MAX AGGREGATE SIZE 20mm. MINIMUM OPC CONTENT 330kg/m³, MINIMUM WATER/CEMENT RATIO= 0.5
DESIGN SULPHATE CLASS DS-2 AND ACIC CLASS AC-2
BLINDING AND MASS CONCRETE TO BE GRADE C16/20. BLINDING TO BE 50mm THICK UNLESS NOTED OTHERWISE.

EXTERNAL CORNERS VISIBLE WHEN WORK IS COMPLETED TO HAVE 25mm CHAMFERS UNLESS NOTED OTHERWISE FORMWORK TIES WHERE INSTALLED SHALL BE REMOVABLE AND HAVE CAST IN MIDDLE SECTION DESIGNED FOR WATER RETAINING CONSTRUCTION.

CONTRACTOR TO CONFIRM POSITION AND DETAIL OF ANY CONSTRUCTION JOINTS WITH WPD PROJECT ENGINEER

STEEL REINFORCEMENT

ALL STEEL REINFORCEMENT TO BE HIGH YIELD GRADE 500N/mm² BARS
MINIMUM LAP LENGTH TO BE 40x BAR DIAMETER
MINIMUM COVER TO ALL REINFORCEMENT TO BE 50mm SUITABLE CHAIRS AND SPACER BLOCKS TO BE USED TO MAINTAIN COVER TO REINFORCEMENT.
PROVIDE STEEL FLOAT FINISH TO ALL EXPOSED CONCRETE.

CONCRETE BLOCKWORK

CONCRETE BLOCKWORK TO CONFORM TO BS6603
MINIMUM COMPRESSIVE STRENGTH- 7N/mm²

BACKFILLING

CABLE TRENCH TO BE BACKFILLED WITH SELECTED HARDWARE AFTER CABLE INSTALLATION
CABLES TO BE SURROUNDED IN MINIMUM 150mm STONE DUST

ON COMPLETION

WHERE APPLICABLE AREA IN FRONT OF PLINTH AND SITE BOUNDARY TO BE PAVED WITH 600x600x50mm THICK CONCRETE PAVING SLABS
ALL REMAINING EXPOSED GROUND SURFACES WITHIN SITE BOUNDARY TO BE DRESSED WITH A 75mm THICK LAYER OF SINGLE SIZED STONE CHIPPINGS.

TOC= TOP OF CONCRETE LEVEL
FFL= FINISHED FLOOR LEVEL

EARTHING REQUIREMENTS

FOUNDATION FLOOR SLAB REINFORCEMENT TO BE CONNECTED TO BELOW GROUND HV EARTH MAT IN MINIMUM 2 PLACES.

CIVIL CONTRACTOR MUST INSTALL 2No. #16mm REINFORCEMENT L BARS IN FOUNDATION/FLOOR SLAB- 1ED IN MIN 4 PLACES TO TOP LAYER OF MESH REINFORCEMENT.

L BAR TO PROTRUDE FROM FLOOR SLAB INTO MAIN CABLE ENTRY SLOT.

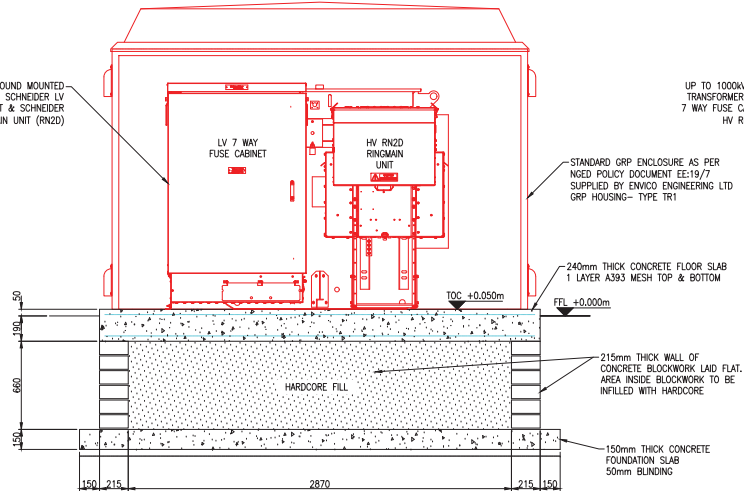
EARTHING REINFORCEMENT DETAILS

REBAR DIAMETER: #16mm
REBAR SHAPE CODE TO BS8666: 11 (L BAR)
REBAR TOTAL LENGTH: 1400mm
DM A: 200mm DM B: 1200mm

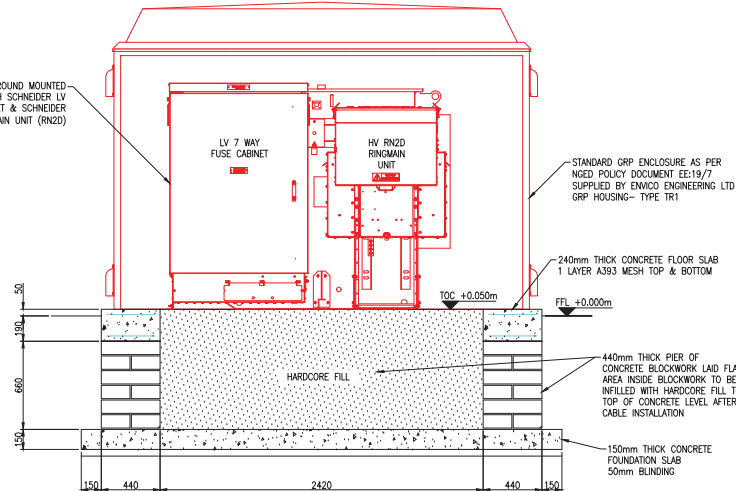
FOR FURTHER EARTHING DETAILS PLEASE SEE NGED POLICY DOCUMENTS TP210A TO TP210D. CONSTRUCTION DRAWING EXAMPLES ARE CLEARLY SHOWN IN SECTION 5.0.

NGED ENGINEER TO PROVIDE THESE CONSTRUCTION DRAWINGS TO CIVIL CONTRACTOR UPON REQUEST.

SECTION B-B
SCALE 1:20



SECTION C-C
SCALE 1:20



				ORIGINAL ISSUE		Date		Engineering Design (South West) Avonbank, Feeder Road, Bristol, BS2 0TB	
				Drawn	PAS	13.10.22		Title STANDARD TECHNIQUE: NC1V GROUND MOUNTED TRANSFORMER (UP TO 1000kVA) FOUNDATION LAYOUT & DETAILS- OPTION 1	Drg. No. NC1V-001
				Checked					
				Approved					
1.0	PAS		13.10.22	ISSUED FOR CONSTRUCTION			SCALE:	ORIGINAL SHEET SIZE: A1	Rev No. 1.0
Rev No	Drawn	CHK'd	App'd	Date	Revision				