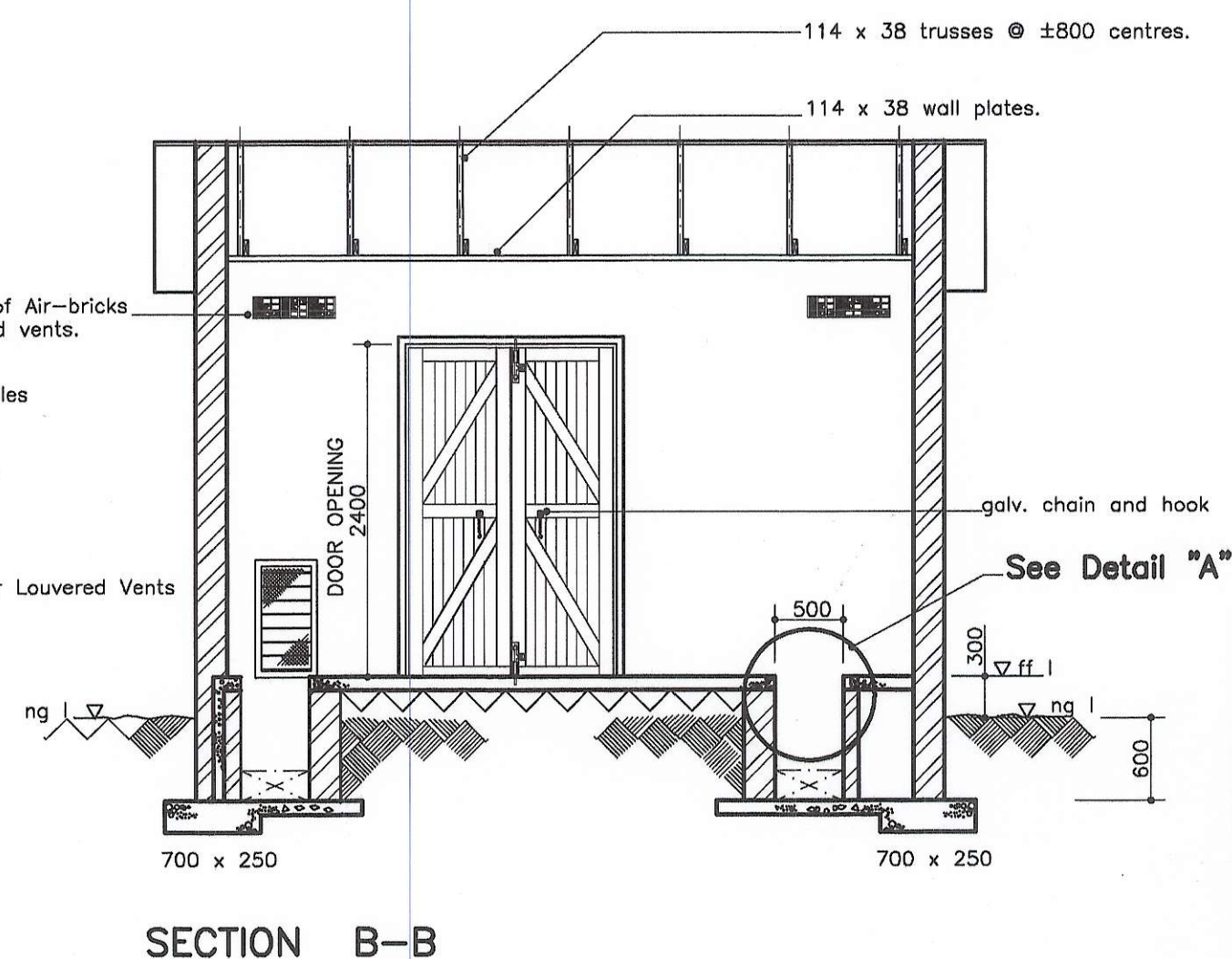
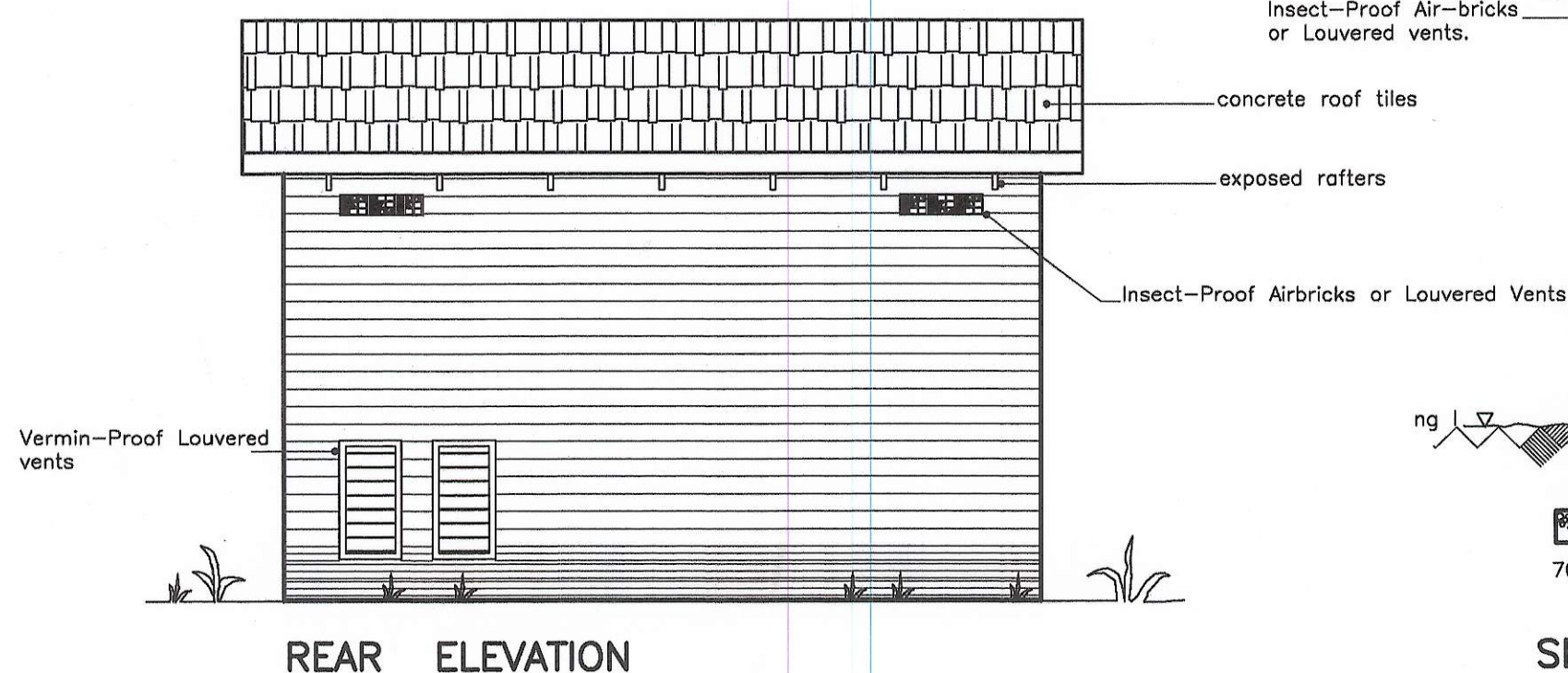
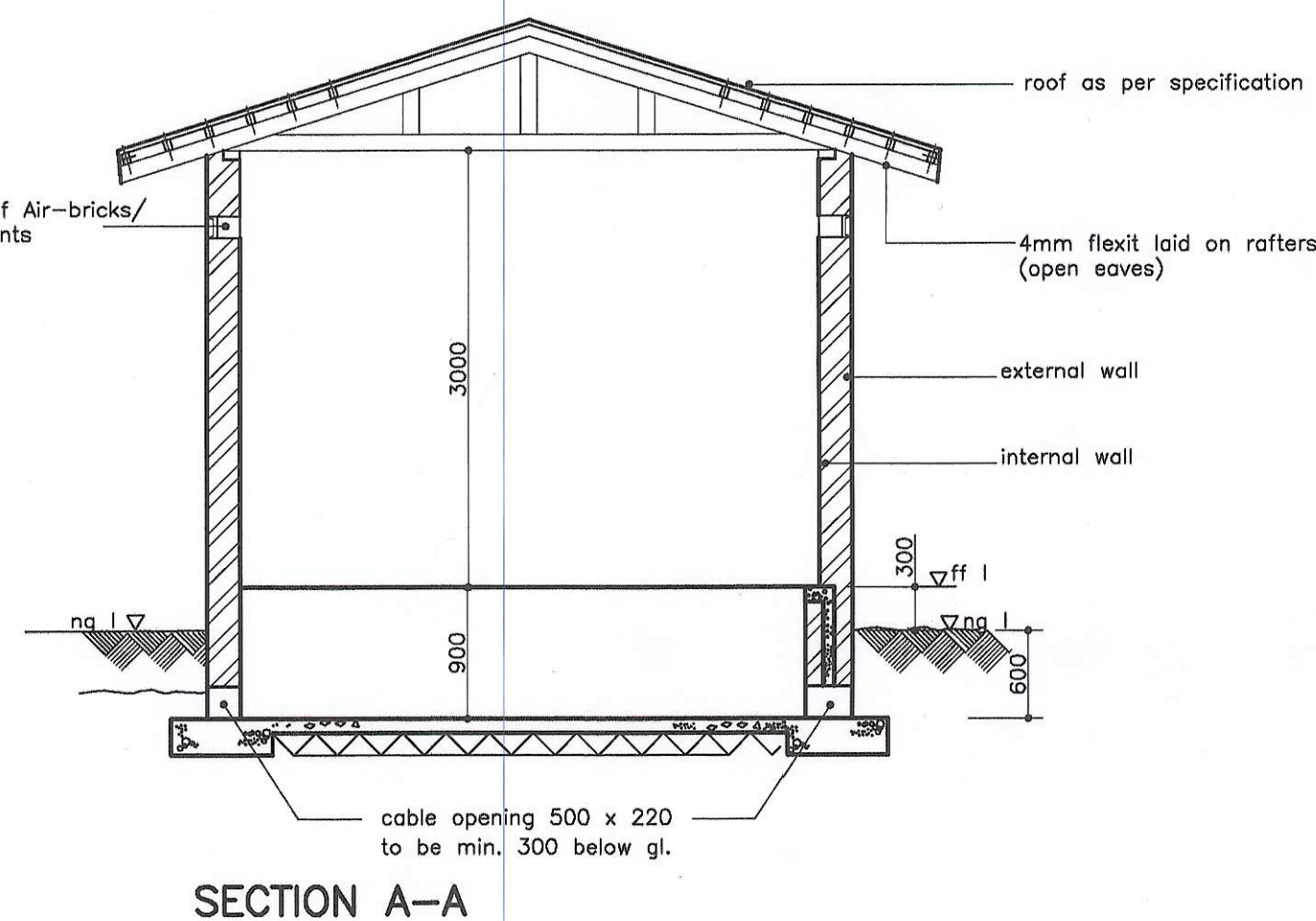
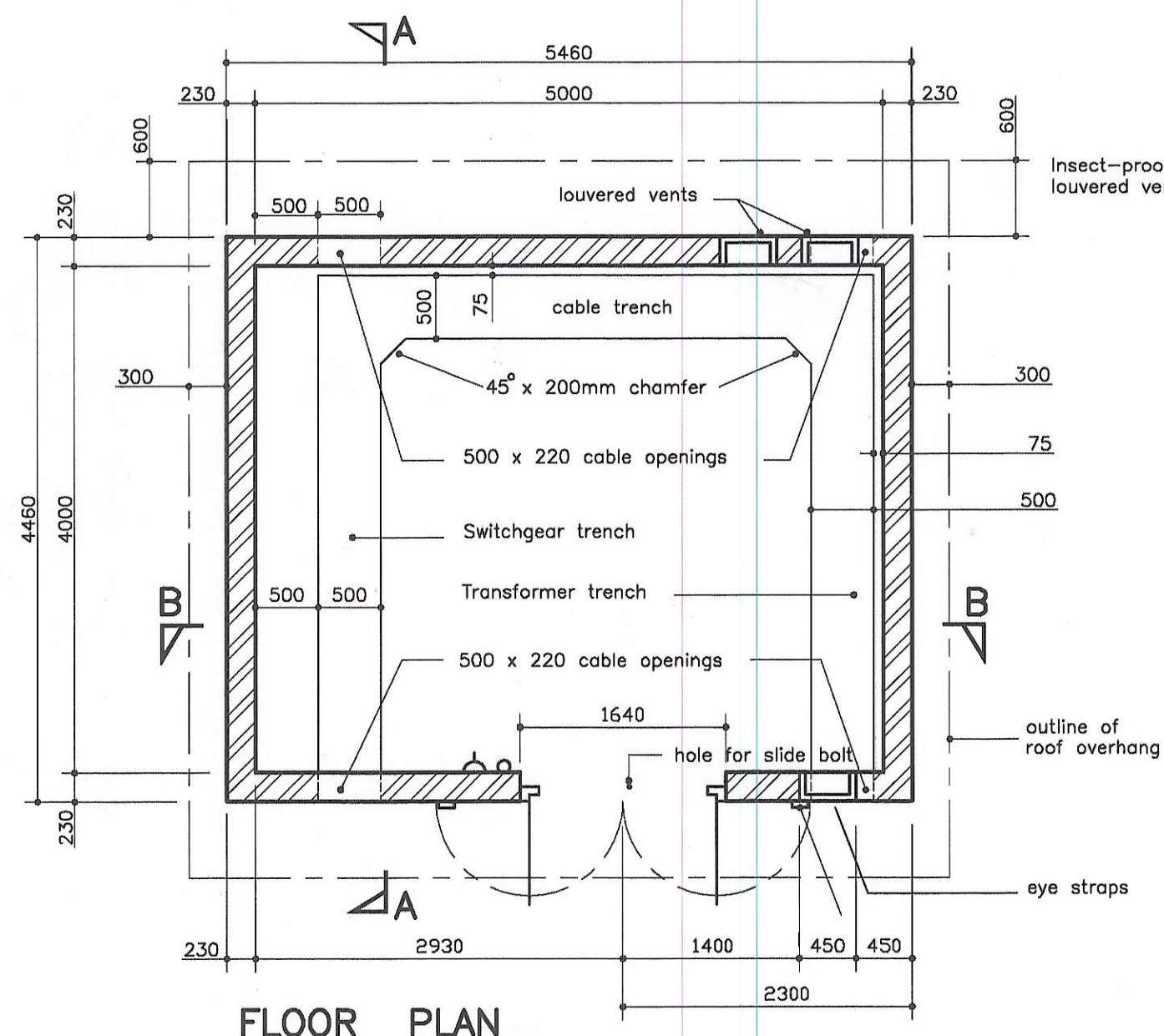
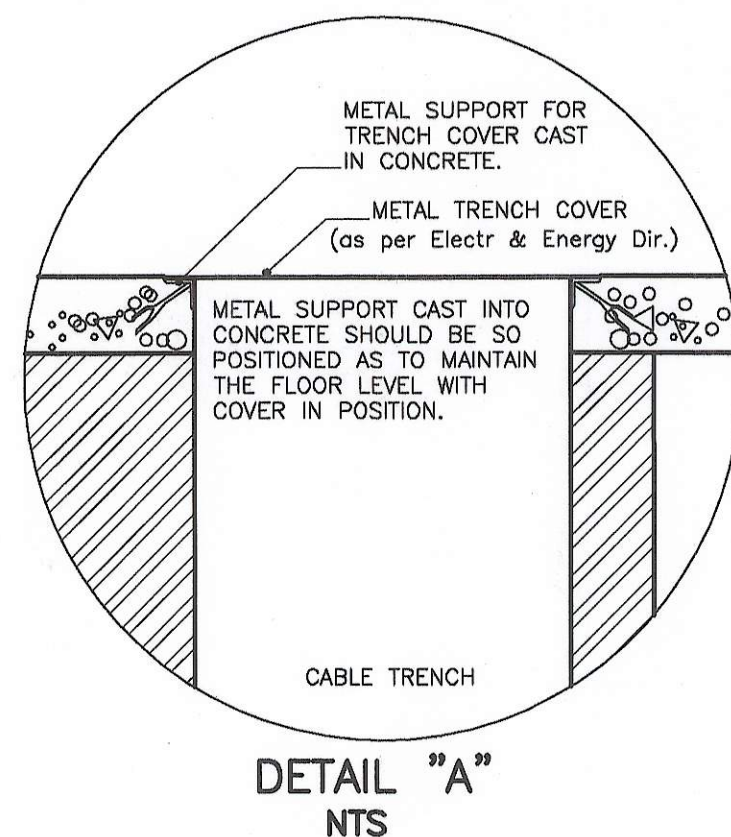
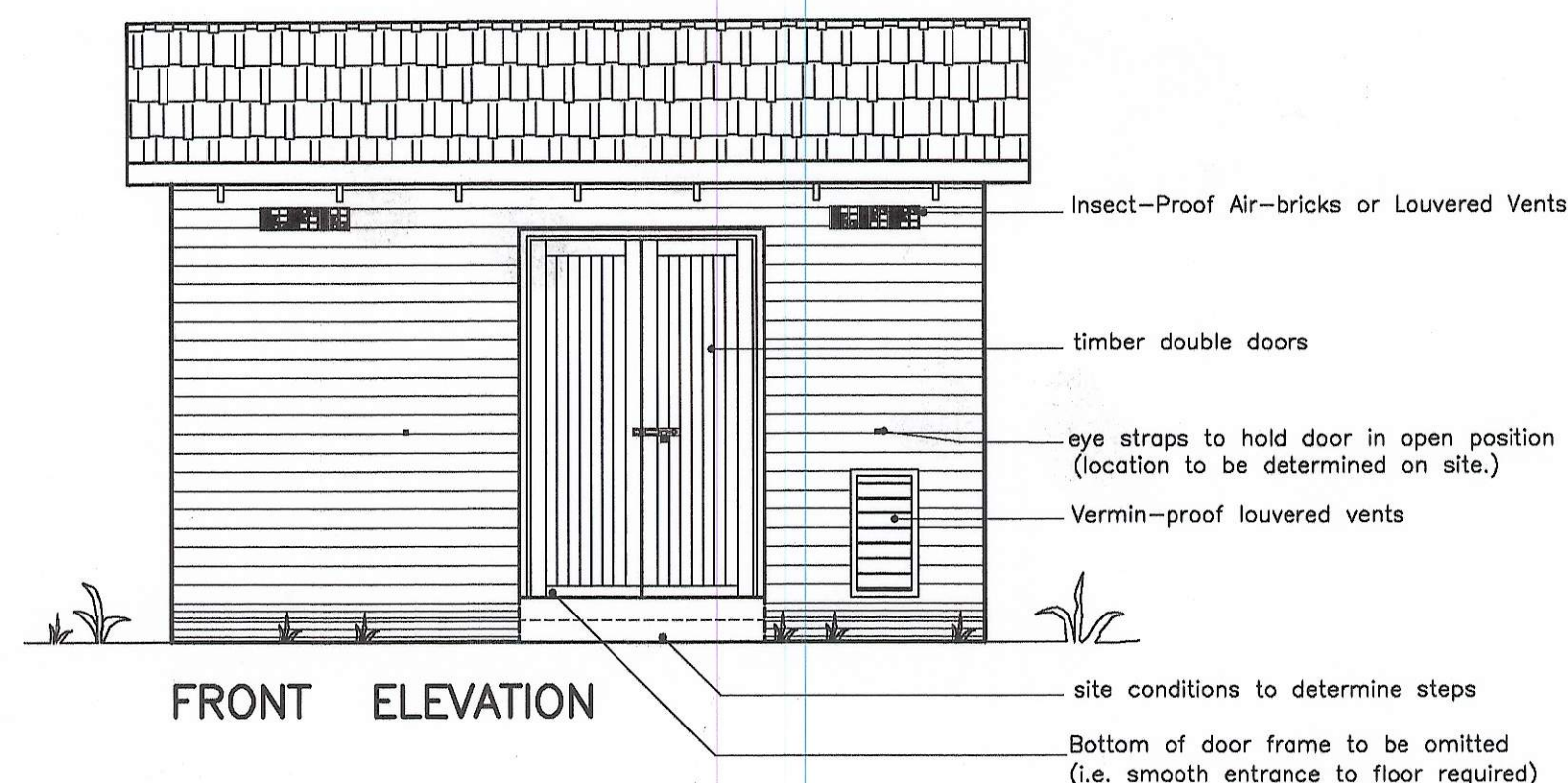




SPECIFICATIONS

1. ACCESS:
5 METRE WIDE ACCESS REQUIRED TO SUBSTATION FRONTAGE.
2. FLOORING:
100mm CONCRETE FLOOR ON 150mm HARDCORE FILL ON 700x250 FOUNDATIONS. FLOOR SURFACE PARALLEL TO SWITCHGEAR TRENCH AND 1500mm WIDE MUST BE LEVEL TO 1mm/Sqm
CONCRETE OF FOUNDATIONS AND FLOOR TO BE 25MPA. (1:2:4)
ONE LAYER OF STEEL MESH TO BE INCLUDED IN THE SLAB FOR REINFORCING.
3. WALLS:
(a) (EXTERNAL)
TO LOCAL AUTHORITY SPECIFICATION.
(i) FACEBRICK OR (ii) SMOOTH PLASTER
(b) (INTERNAL)
IF BLOCK CONSTRUCTION, THEN THE REAR WALL AND THE SIDE WALL ADJACENT TO THE TRANSFORMER TRENCH MUST BE OF SOLID BRICK OR SOLID BLOCK (SABS APPROVED) TO A HEIGHT OF 1.8m ABOVE FLOOR LEVEL.
ALL BRICKS/BLOCKS TO BE BAGWASHED.
4. CABLE OPENINGS:
TOP OF CABLE OPENINGS TO BE A MINIMUM OF 300 BELOW FINISHED GROUND LEVEL.
5. CABLE TRENCH:
TO BE A MINIMUM OF 900 DEEP.
6. ROOFING:
ROOF PITCH 17.5° MIN. COVERLAND ROOF TILES ON 38 X 38 BATTENS, ON WHITE PVC UNDERLAY, ON ENGINEERED TRUSSES AT 800mm CENTRES, MADE UP OF 114 x 38 RAFTERS, TIES AND POSTS TIED DOWN TO WALL PLATES WITH NO. 8G GALV WIRE TIES. 200 x 60 L-SHAPED BARGE BOARD. ALTERNATE ROOFING - SUBJECT TO APPROVAL.
7. HARDWARE:
FOR DETAILS REFER DRAWING NO.WD 000115.
8. VENTILATION:
UPPER
(a) 16 INSECT-PROOF AIR-BRICKS/LOUVERED VENTS (EQUAL TO 16 AIRBRICKS) ON EXTERNAL FACE PANEL.
LOWER
(b) VERMIN-PROOF LOUVERED VENTS AS PER DRAWING WD000115.
9. DOUBLE DOORS:
2 NO. -760 x 2400 HIGH FLANGED AND BRACED DOORS WITH A 230 HEAVY DUTY GALVANISED SLIDE BOLT SECURED WITH CUPHEAD BOLTS. ONE DOOR TO BE SECURED IN CLOSED POSITION WITH GALVANISED SLIDE BOLTS TO TOP AND BOTTOM OF DOOR. TOP SLIDE BOLT TO BE SPRING/CHAIN OR EXTENSION ARM OPERATED BECAUSE OF DOOR HEIGHT. THREE HINGES PER DOOR. DOORS TO OPEN FLAT AGAINST OUTSIDE WALLS SECURED BY CHAIN AND HOOK TO EYE STRAP.
10. NOTE:
NO UNSCREWABLE FASTENER ITEMS TO BE ACCESSIBLE FROM EXTERIOR OF BUILDING.
SMALL DISTRIBUTION BOARD (INSTALLED INSIDE BUILDING AGAINST THE WALL ON THE RIGHT SIDE OF DOORWAY) TO SUPPLY :
CEILING MOUNTED LIGHT FITTING CAPABLE OF OPERATING A LAMP OF 100W MINIMUM. (PLASTIC 60W FITTINGS NOT ACCEPTABLE.) AND A 16A SOCKET OUTLET REQUIRED.
11. PAINT SPECIFICATION
(a) EXTERNAL WALL FINISH: (IF APPLICABLE)
CREAM AND KALAHARI
1 COAT DULUX ACRYLIC FILLERCOAT. (OR EQUAL)
2 COATS DULUX EXTERIOR PVA (OR EQUAL)
(b) INTERNAL WALL FINISH:
2 COATS WHITE PVA
(c) LOUVERED VENTS AND DOUBLE DOORS:
MILD STEEL : CALCIUM PLUMBATE PRIMER UNIVERSAL UNDERCOAT AND 2 COATS DULUX EASIGLOSS (OR EQUAL).
WOODEN : PINK WOOD PRIMER / UNDERCOAT AND APPLY 2 COATS DULUX EASIGLOSS (OR EQUAL). IF VARNISHED APPLY 3 COATS OF WEATHERGLO.
12. HOT DIPPED GALVANISED TRENCH COVERS ARE REQUIRED ON ALL TRENCHES EXCEPT WHERE EQUIPMENT IS POSITIONED. CONFIRM WITH ENGINEER.

nelson mandela bay MUNICIPALITY PORT ELIZABETH Uitenhage DESPATCH				NELSON MANDELA BAY MUNICIPALITY ELECTRICITY AND ENERGY BUSINESS UNIT			
REV. DATE	1	REV.9 07/10/2008	2	REV.10 16/02/2010	3	REV.11 03/05/2010	4
REV.CHECK	A	HISCOCK	A	HISCOCK	A	HISCOCK	
CHECKED	SIGN		SIGN		SIGN	<i>A. Hiscock</i>	SIGN
DATE DWN	07/10/2008	SIGN					
DRAWN	KP	<i>R. Harris</i>					
CHECKED	GIS/CAD Mng	<i>R. Harris</i>					
APPROVED : R.J. HARRIS Pr. Cert. Eng., MSAIEE.				STD ELECTRICAL SUBSTATION-800KVA MAX PITCH ROOF			
				NMBM WD0000029		SCALE	1:50
						SHEET	NEXT

WD0000029