

SPECIFICATION

GENERAL:
This specification to be read in conjunction with ESKOM's Standard Specification and General Conditions of Contract.
Contractor to pay all fees in regard to services supplied by and for the Local Authority.
Portable latrines to be provided and serviced by Contractor.
Contractor to include in his pricing for the temporary supply of water and power for construction purposes.

FOUNDATIONS:
To sizes and depths shown. Concrete to be 15 mPa strength.
Reinforcing as shown on Section A - A

WALLS: Below ground : well burnt red hard clay R.O.K. bricks.
Internal walls : Red clay R.O.K. bricks.(min. compressive strength 7 mPa.)

REV.1 Facebricks : Smooth or rustic IRONSPOTS min.35 mPa or to ESKOM approval and start 1 course below final ground line.
Cavity walls to be 110 - 60 - 110 skins with 60mm cavity

Brikferc : 150mm wide galv. to first 4 courses above foundations and top 3 courses below wallplate. Gables 75mm width every 4th course to ridge. Wallties : Galv. " Butterfly " type, 5 per sq metre in wall. 300 c/c at jambs D.P.C. : Gunplas " Brikgrid " 375 microns, stepped at floor levels in cavity walls, and around openings.
Joints : Facebrick, 10mm raked, all other joints to be keyed for plastering. Every fourth perpend above stepped dpc to be raked clear to drain cavity.

Mortar : 1:4 (cement : sand)

PLASTERWORK:
Internally, 15mm thickness, smooth steel float finish. Mix 1:1:6 (cement:lime:sand). Externally 20mm thickness wood float mix 1:4.

FLOORS: SWITCH /RELAY ROOM
ABE "Koracron" cementitious floor hardener to Manufacturers spec. on 150 mm thickness 30mPa power floated concrete on sand fill compacted in 150mm layers. Reinforcing to be BRC 617 Weldmesh min. 50mm from bottom of slab.

N.B. FLOOR LEVEL TO BE LAYED TO A TOLERANCE OF 0.5MM PER METRE WITH A MAXIMUM OF 2.50MM DIFFERENCE OVER THE LENGTH.

STEPS AND LOADING BAY : 150mm brush finish 30mPa concrete layed to falls as shown. Reinforcing as Switch rm.

FLOOR FINISHES:
Relay/Switch room: 2 coats Sika Purigo 5S transparent sealer or equal approved applied after commissioning of electrical equipment by ESKOM

CEILINGS: See roof construction.

DOORS: Refer to door schedule drg D-DT-5238 sheet 13 for details.

AIRFILTERS: To be Winblok WIA166 fitted with external nat. anodised AL. louver and purpose made AL. frame internally. Std burglar bars to be fitted to outside. See detail drg. D-DT-5238 sheet 13.

SERVICE TRENCHES: Walls to be bagged brick, all trench covers and channels by contractor. Refer to D-DT-5238 Sh.13 for trench details. edging. Trench covers as shown ex 4.5mm thk. "vastrap" with 25mm dia lifting holes.

SWITCHGEAR RACK OUT STEEL PLATES : Contractor to fix in position (after installation of switchgear by specialist contractor) 3mm thick X 1225mm galv.plates with CSK s/steel screws @ 500mm c/c.s. Contractor to refer to Design Document as to extent (length) of plates required.


PAINTER: Galv. steel: Galvkleen followed by 1 coat calcium plumbate primer, 1 coat universal undercoat, 1 coat gloss enamel.
Trench covers: one coat red lead primer, 1 coat w/ undercoat, 2 coats eggshell enamel. Colour: light grey to ESKOM approval.

Internal walls & ceilings: 1 filler coat, 2 coats Dulux "Wash 'n Wear" pva, or similar approved. colour white. Final coat to be applied by contractor only after commissioning of all electrical equipment by Eskom.

Trusses, purlins and walplate : 1 coat pink primer, 2 coats flat enamel. Steelwork as above.

WATER SUPPLY : Run in 15mm copper from water tank/ municipal supply to external **tap:** Cobra No. 108LK

THIS DRAWING IS THE NEW OFFICIAL REVISION. IT SUPERCEDES ALL OTHER PUBLISHED DRAWINGS.						5238 SH16		LIGHTING AND POWER LAYOUT	
0184032						5238 SH15		ROOF TRUSS DETAILS	
						5238 SH13		DETAILS AND DOOR SCHEDULE	
						D-DT-			
						DRG NO.		REFERENCE DRAWINGS:	
I	D-0T-5074 CHANGED TO D-0T-5238					PBM	B.P.H	B.P.H.	05/04/2005
N	DRAWING NO. CHANGED FROM D-0T-5074					VvZ	JFS	JFS	10/12/2002
REV	REVISION DESCRIPTION					BY	CHKD	AUTH	DATE
									PROJECT NO.



NATIONAL STD. (SLOPING STEEL ROOF)

"COMBO" CONTROL BUILDING TYPE 1

DETAIL PLAN, SECTIONS & ELEVATIONS

AUTH: B.P. HILL	<div style="font-size: 2em; font-weight: bold;">D-DT-5238</div>		
DATE: 10/12/2002			
CHKD: J.F. SCHOLTZ			
DATE: 10/12/2002			
DRAWN: C.GRAY	SET	SHEET	REVISION
DATE: 09/12/2002	16	1	1