

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. 220 & 280 walls without adjacent trenches to have 700 x 250 conc. foundations. 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

Brikforce : 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 jamps D.P.C. : Gunplas "Brikrip" 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 "Korocron" 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.

STORE AND WC : 25mm timber floated grano screed on 30 mPa concrete, 100mm thickness.

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

FLOOR FINISHES:

Store room and W/C : Natural grey finish. Relay/Switch room: 2 coats Sika Purigo 55 transparent sealer or equal approved applied after commissioning of panels and switchgear by Contractor.

N.B. NO skirtings required.

CEILINGS: See roof construction.

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

AIRFILTERS: To be Winblok W(A)66 fitted with external nat. anodised al. louvre and purpose made al. frame internally. Std burglar bars to be fitted to outside. See detail drg. D-DT-5238 sheet 13.

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. Contractor to refer to Design Document as to extent (length) of plates required.

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" 25mm dia lifting holes.

PAINTER: Galv. steel: Galvkleen followed by 1 coat calcium plumbate primer, 1 coat universal undercoat, 1 coat glass enamel.

Trench covers: one coat red lead primer, 1 coat u/ undercoat, 2 coats eggshell enamel. Colour: light grey to ESKOM approval.

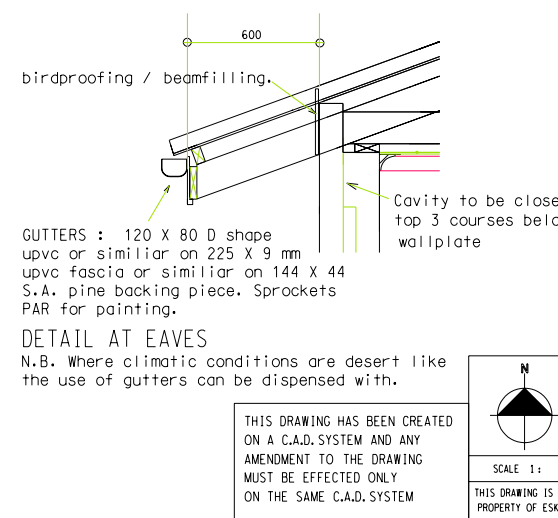
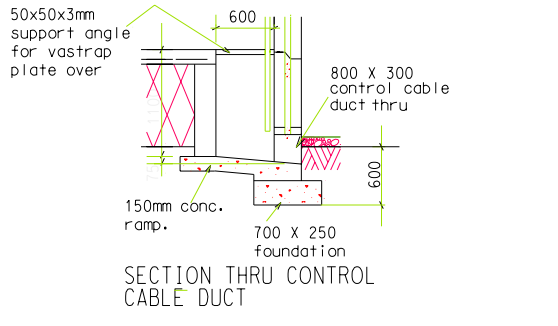
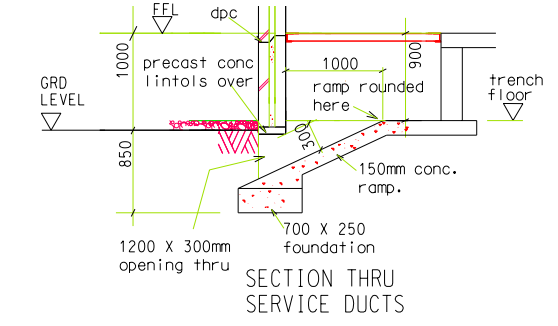
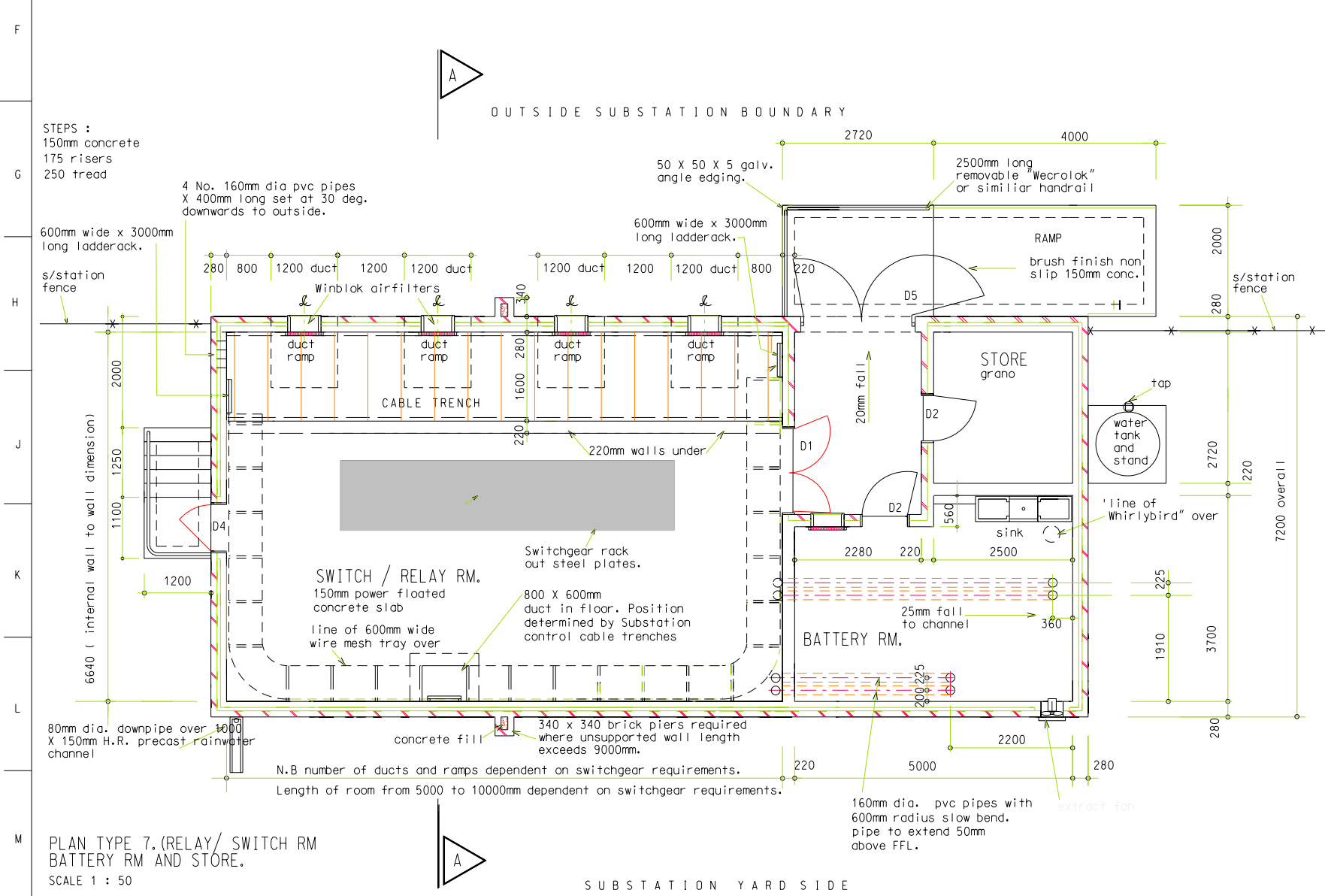
Internal walls & ceilings: 1 filler coat, 2 coats Dulux "Wash 'n Wear" pva, or similar approved, colour white. Final coat to be applied by contractor only after commissioning of all electrical equipment by Eskom.

Battery rm. floor: Acid resisting twin coat epoxy finish to ESKOM approval and manufacturers spec.

Walls & ceiling : 1 coat filler, 2 coats acid resisting paint.

Rafter ends and sprockets : 1 coat pink primer, 2 coats flat enamel. Colour -white.

WATER SUPPLY : Run in 20mm copper from water tank/ municipal supply to external tap and sink.



Rev 1

5238 SH16	LIGHTING AND POWER LAYOUT
5238 SH14	BATTERY RM. SINK
5238 SH13	DETAILS AND DOOR SCHEDULE
D-DT-	
DWG. NO.	REFERENCE DRAWINGS:
1	D-DT-5074 CHANGED TO D-DT-5238
0	DRAWING NO. CHANGED FROM D-DT-5074
REV	REVISION DESCRIPTION
BY	CHKD
DATE	10/11/2002
PROJECT NO.	

AUTH: B.P. HILL	DATE: 10/12/2002
CHKD: J.F. SCHOLTZ	DATE: 10/12/2002
DRAWN: C. GRAY	DATE: 09/12/2002

ESKOM Distribution

NATIONAL STD. (CONVENTIONAL ROOF) "COMBO" CONTROL BUILDING TYPE 7 DETAIL PLAN, SECTIONS & ELEVATIONS

D-DT-5238

SET	SHEET	REVISION
16	7	1