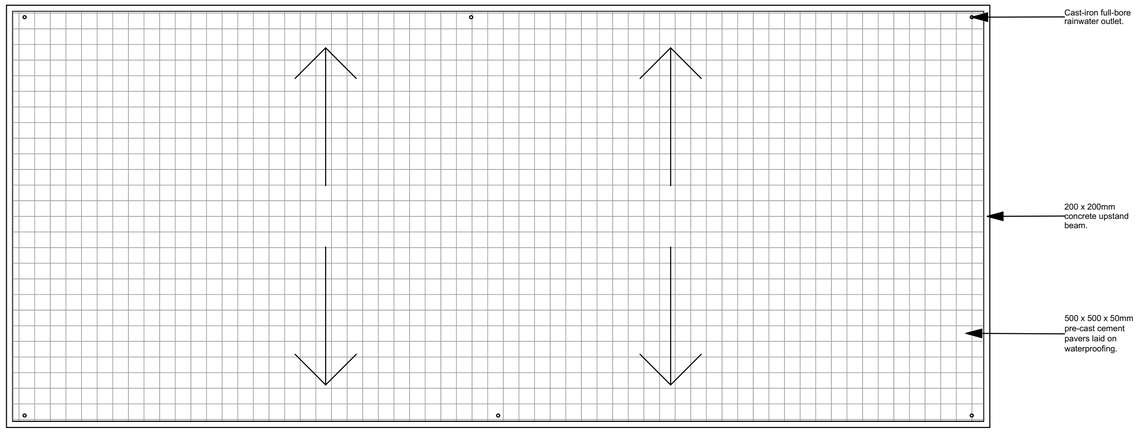


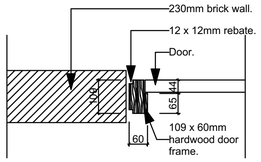
Roof Plan
Scale 1:100

Notes:

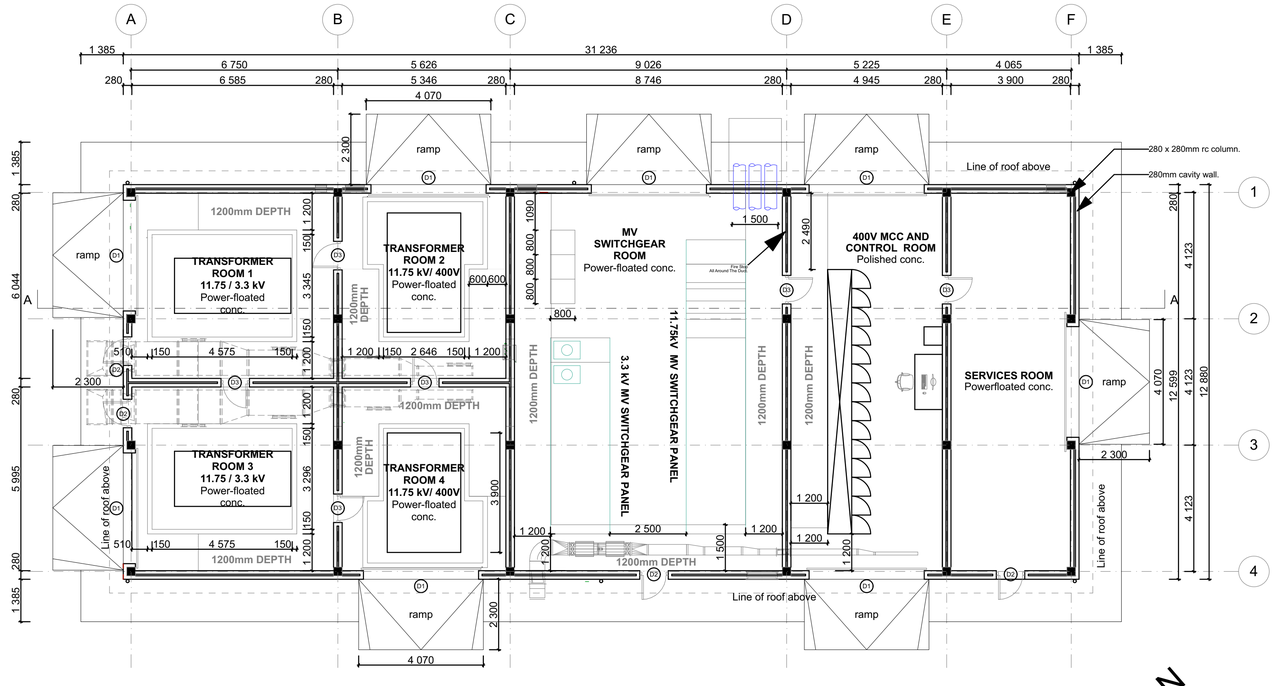
Walls inside and out - 280mm face-brick.
Floor - power-floated concrete with Sika or similar matt sealer in all rooms.
Concrete soffit and edge and all exposed concrete to be Class 1 off-shutter quality.

Concrete roof as follows:
Concrete roof cast to falls - to either side of centre line;
Overhang to be 450mm on all 4 sides;
Upstand beam of 200 x 200mm on perimeter;
25mm cement screed;
30mm isoboard (or similar) insulation;
Waterproofing by derbigum (or similar);
500 x 500 x50mm pre-cast cement pavers laid on waterproofing.

Concrete roof durability specifications (SANS10100-2 STRUCTURAL USE OF CONCRETE) to apply:
Exposure condition : Very severe (i.e. minimum concrete cover of 50mm)
Concrete grade : Minimum 40MPa/19mm
Cement / Water ratio : Minimum 2.2 (420kg minimum cement content)
Cementitious Extenders : As per SANS10-100-2 for marine environment (GGBS or FA)
Reinforcing steel : Hot-dipped galvanized preferred
Curing : As per SANS10-100-2



DETAIL B: Timber Door Frame
Scale 1:10



Floor Plan
Scale 1:100

F.F.L	3 680 (2 975)	920 (2 100)	920 (2 100)
DOOR SCHEDULE SCALE 1:100			
DOOR No.	D1 - 8 Required	D2 - 4 Required	D3 - 6 Required
DESCRIPTION	3680x2975mm high aluminium roller-shutter door with dust-free tracks / guides.	920x2100mm high solid aluminium-horizontal slatted door.	920x2100mm high solid hardwood 2-hour fire-rated door.
FRAME		As per Wispeco Aluminium.	Purpose made solid hardwood door frame. * See Detail B: Timber door frame.
IRONMONGERY		1.5 pairs stainless steel hinges; Union stainless steel door handle with 5 lever cylinder lock. Dorma heavy-duty stainless-steel door closer TS 83 with PA bracket.	1.5 pairs stainless steel hinges; Union stainless steel door handle with 5 lever cylinder lock. Dorma heavy-duty stainless-steel door closer TS 83 with PA bracket.
FINISH			
NOTE	Aluminium doors: ALL ALUMINIUM AND GLASS TO COMPLY WITH SAGGA AND AAAMSA STANDARDS.		

CLIENT:
TRANSNET
national ports authority

Client Name:
Designation & Section: ELECTRICAL ENGINEER: PORT ENGINEERING
Client Signature:
Project Phase 0
Date:
Contact No.'s:

No.	DATE	REVISION DETAIL
01	26-01-2021	EXTERNAL WALLS TO CAVITY WALLS.
02	12-02-2021	CHANGE TO THE ROOF. NO MORE PLANTED ROOF. PFC ROOM CHANGED INTO MCC ROOM.
03	23-02-2021	CHANGE OF ROOM FUNCTIONS AND ELECTRICAL EQUIPMENT.
04	24-02-2021	CHANGE OF ORIENTATION TO TRANSFORMER 1&3 ROLLER-SHUTTER DOORS. REDUCTION TO MCC & CONTROL ROOM SIZE.
05	28-04-2021	MECH COMPONENTS INCORPORATED
06	30-11-2022	CONSTRUCTION DETAILS.
07	09-12-2022	PLINTHS AND BUND WALLS INTRODUCED.
08	01-03-2023	LEVELS REVISED. LATEST MECH LAYOUT INCORPORATED.

Main Contractor:
Stateway Switchboards (PTY) LTD.
P.O. Box 1055, Linbro Park 2065
55 Second Road
Linbro Park West, Sandton
Tel: 011 021 7280/1/2/3/4
Fax: 086 664 9043
Website: www.statewayswitchboards.co.za

Main Contractor: STATEWAY SWITCHBOARDS (PTY.) LTD.
ZML Africa Drawing No. TNPA/2020

Consultant:
Z.M.L Engineers and Project Managers
A Division of the ZML Africa Group

jeremy steere
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ph/fax 035 3401453 / 083 6316421
jeremysteerearchitect@gmail.com

Site Address:
Sturrock Dry Dock, Cape Town
Building Name:
New Substation
Project Description:
Sturrock Dry Dock Electrical Infrastructure Upgrades: Graving Dock Substation - Tender
Drawing Description:
Floor plan, roof plan, doors schedule

Drawn:	S. MASINGA	Date:	02 / 03 / 2023
Designer/ Checked:	J. STEERE	Scale:	AS SHOWN
Approved:	J. STEERE	Drawing Size:	A1
Prof Reg. No.	5058	Revision No.	08
Signature:			

Drawing Number:

Site & Building No.	Floor No.	Discipline & Service Type

Sheet Number	Project Number	Proposal No.
003		000