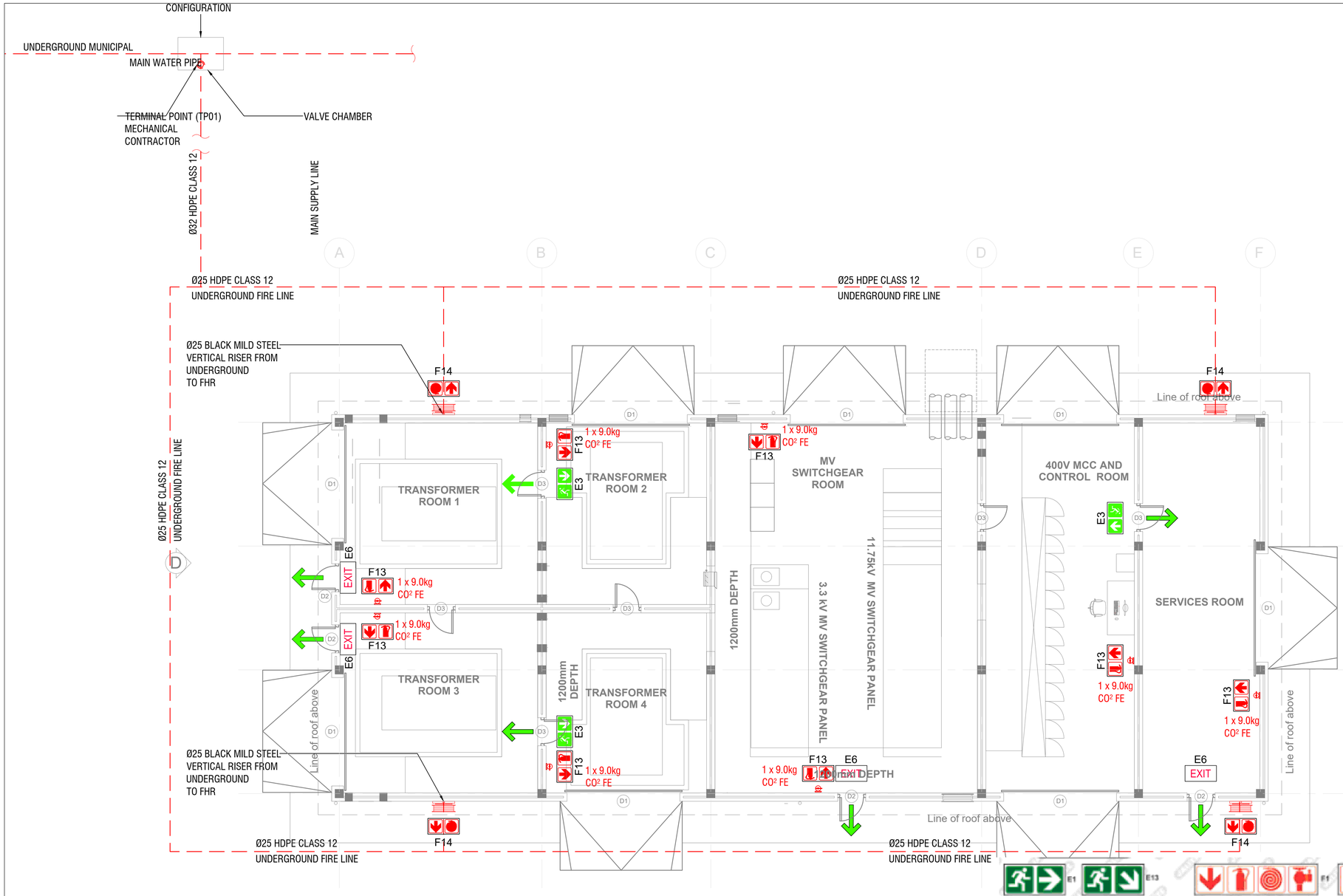
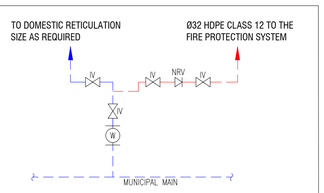
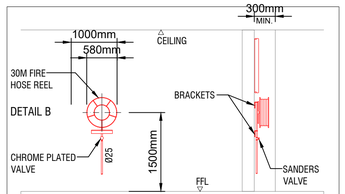


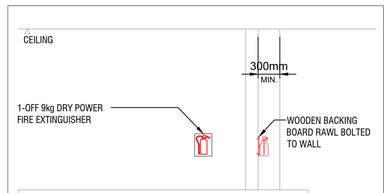
FLOOR PLAN
Scale 1:100



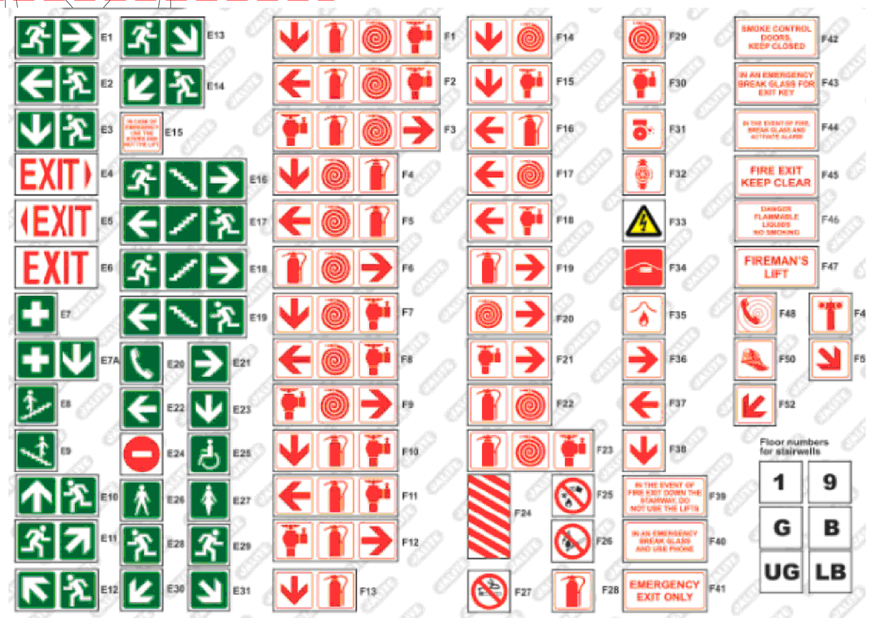
MUNICIPAL CONNECTION DIAGRAM
SCHEMATIC DIAGRAM A
NTS



TYPICAL FIRE EXTINGUISHER INSTALLATION
NTS



TYPICAL FIRE EXTINGUISHER INSTALLATION
NTS



GENERAL NOTE

ALL CONTRACTOR IS TO VERIFY ALL DIMENSIONS & LEVELS ON SITE BEFORE COMMENCING WORK OR PRODUCING SHOP DRAWINGS ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.
THIS DRAWING IS SUBJECT TO COPYWRIGHT AND MAY NOT BE REPRODUCE IN WHOLE OR PART, OR IN ANY MANNER WHATSOEVER WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT. IMMEDIATELY.

PIPEWORK NOTES

1. UNLESS STATED OTHERWISE ALL FIRE WATER RETICULATION PIPING TO BE BLACK MILD STEEL.
2. RING MAIN WATER SUPPLY PIPE TO BE Ø32 HDPE CLASS 12.
3. TAP OFFS TO FIRE HOSEREELS TO BE Ø25.
4. TAP OFFS TO FIRE HYDRANT SET TO BE Ø75.
5. FIRE FIGHTING SYSTEM TO BE INSTALLED BY A S.A.Q.C.C. CERTIFIED INSTALLER.

FIRE SIGNAGE NOTES

1. FIRE SIGNAGE SHALL COMPLY WITH THE REQUIREMENTS CONTAINED IN SABS 1186.
2. MINIMUM FIRE SIGNAGE SIZE = 150mm.
3. ALL FIRE SIGNAGE TO BE PHOTO ILLUMINISCENT.
4. THE FIRE SIGNAGE IS INDICATIVE ONLY, ACTUAL DIRECTIONS/ ORIENTATIONS ETC. TO BE DETERMINED ON SITE.
5. ILLUMINATED EXIT SIGNS BY ELECTRICAL ENGINEER.
6. D/S = DOUBLED SIDED
7. S/S = SINGLE SIDED

FIRE NOTES

OCCUPANCY CLASSIFICATION - J1
SANS 10400-A:2011

1. SAFETY DISTANCES - 4.2
2. DIVISION AREA - 4.3
3. FIRE PERFORMANCE - 4.5
4. FIRE RESISTANCE OF OCCUPANCY AND DIVISION SEPARATING ELEMENTS AS PER 4.6
5. STRUCTURAL ELEMENTS AND COMPONENTS TO COMPLY WITH 4.8
6. PARTITIONS AND PARTITION WALLS - 4.9
7. PROTECTION OF OPENINGS - 4.10
8. ROOF ASSEMBLIES AND COVERINGS - 4.12
9. CEILINGS TO COMPLY WITH 4.13
10. SEPARATION IN ROOF VOID TO COMPLY WITH 4.13.2
11. FLOOR COVERINGS AS PER 4.14
12. WALL FINISHES AS PER 4.15
13. PROVISION OF ESCAPES TO COMPLY WITH 4.16
14. EXIT DOORS TO COMPLY WITH 4.17
15. LOCKS TO ESCAPE AND ACCESS DOORS TO COMPLY WITH 4.19
16. EMERGENCY ROUTES AS PER 4.19
17. DIMENSION OF COMPONENTS OF ESCAPE ROUTES TO 4.20
18. WIDTH OF ESCAPE ROUTES TO 4.21
19. STAIRWAYS AND OTHER CHANGES OF LEVELS TO 4.23
20. VENTILATION OF STAIRWAYS IN EMERGENCY ROUTE TO 4.24
21. EXTERNAL STAIRWAYS AND PASSAGES TO 4.27
22. EMERGENCY LIGHTS TO COMPLY WITH 4.30
23. MARKINGS AND SIGNPOSTING AS PER 4.32
24. FHR'S TO COMPLY WITH 4.33
25. HYDRANTS TO BE PROVIDED IN ACCORDANCE WITH 4.35
26. PORTABLE FIRE EXTINGUISHERS TO COMPLY WITH 4.38
27. SERVICES IN STRUCTURAL OR SEPARATING ELEMENTS TO 4.40
28. SMOKE CONTROL 4.42
29. AIR-CONDITIONING AND VENTILATION SYSTEM TO 4.43
30. ACCESS FOR FIRE FIGHTING & RESCUE PURPOSE TO 4.54
31. WATER RETICULATION FOR TO COMPLY WITH 10400W

CLIENT: TRANSNET national ports authority

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

No.	DATE	REVISION DETAIL
0	13/4/23	Issued for Tender

Main Contractor: Stateway Switchboards

Main Contractor:

ZML Africa Drawing No. TNPA/2000

Consultant: Z.M.L Africa Group — Engineering Africa Forward

Site Address: Sturrock Dry Dock, Cape Town

Building Name: New Substation
Building Classification: Plant Room (D4)
Occupancy: Unoccupied
Floor Area: 402m² and 4m height

Project Description: Sturrock Dry Dock Electrical Infrastructure Upgrades: Graving Dock Substaion - Sketch Plan

Drawing Description: FIRE PROTECTION LAYOUT

Drawn:	Ruel Mthethwa	Date:	22/3/2023
Designer / Checked :	Elvis Ntsoane	Scale:	1:100
Approved:	Elvis Ntsoane	Drawing Size:	A1
Prof Reg. No.	201470214	Revision No.	0
Signature:			

Drawing Number:

Site & Buiding No.	Floor No.	Descipline & Service Type

Sheet Number	Project Number	Proposal No.
1041-001-4003		000