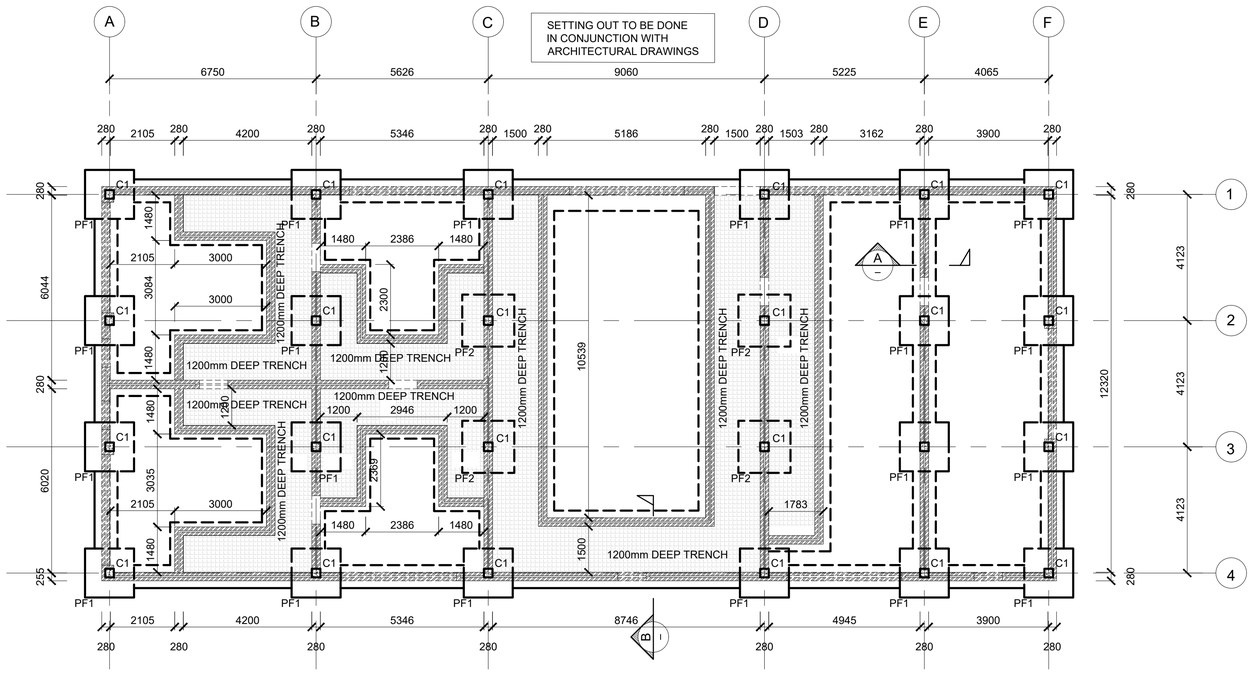
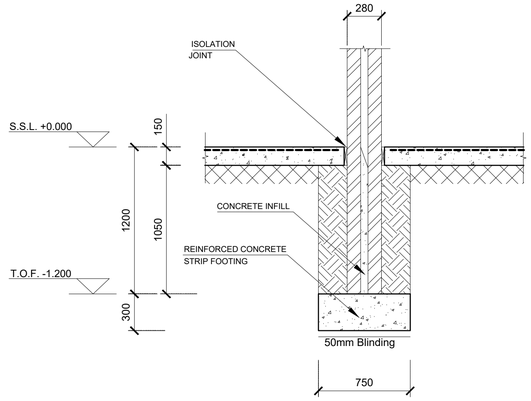


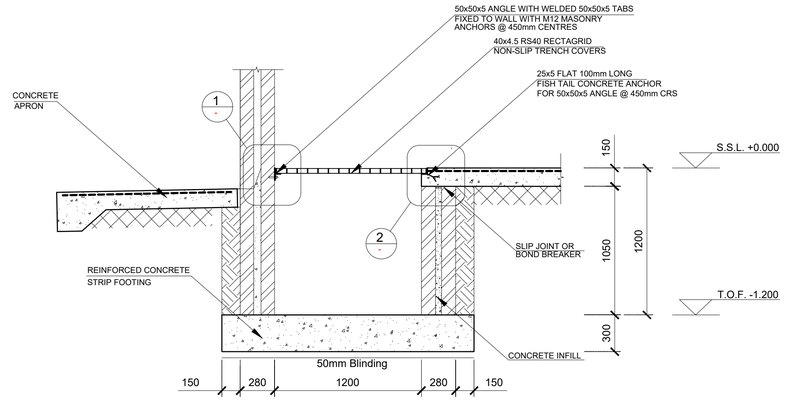
FOUNDATION LAYOUT
SCALE 1:100

FOUNDATIONS:
- PAD & STRIP FOUNDATIONS TO BE PLACED ON EXISTING HYDRAULIC FILL
- MAX. ALLOWABLE GROUND PRESSURE - 150 kPA
- COMPACT THE BASE OF FOUNDATION EXCAVATIONS TO 93% MOD ASSHTO DENSITY -1% TO +2% MOISTURE CONTENT
- 50mm THICK BLINDING UNDER ALL FOUNDATIONS

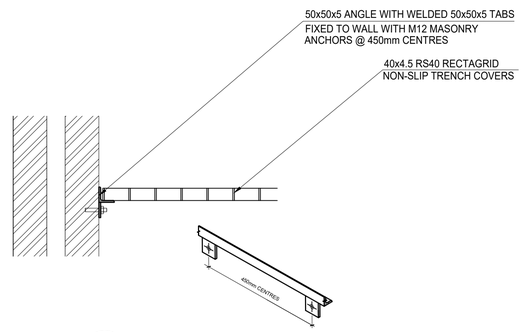
- PAD FOOTING PF1 - 1600x1600x300 DP (20 No OFF)
- PAD FOOTING PF2 - 1700x1700x300 DP (4 No OFF)
- COLUMN C1 - 280x280 (24 No OFF)



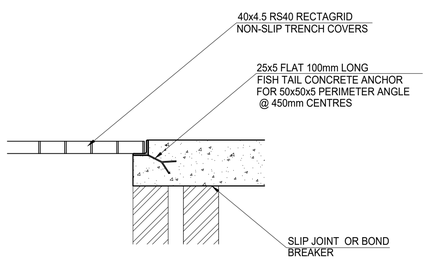
SECTION A
SCALE 1:25



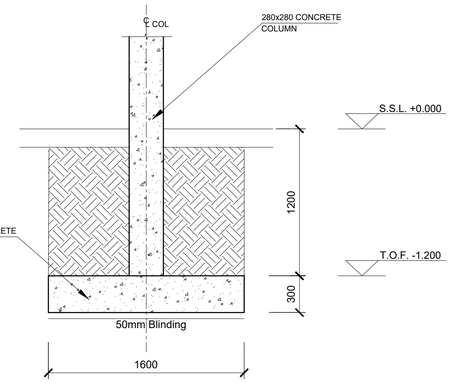
SECTION B
SCALE 1:25

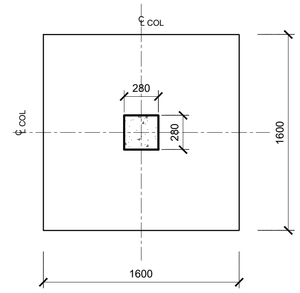


DETAIL 1
SCALE 1:10



DETAIL 2
SCALE 1:10



SECTION


PLAN

PAD FOOTING PF1
SCALE 1:25

GENERAL NOTES
1. ALL DIMENSIONS ARE IN MM U.O.N.
2. USE FIGURED DIMENSIONS ; DO NOT SCALE OFF
3. CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE BEFORE CONSTRUCTION COMMENCES & AN DISCREPANCIES REPORTED TO THE ARCHITECT OR ENGINEER.

MASONRY NOTES
1. ALL MORTAR TO BE CLASS 11 TO SANS 10164 (MIN. 7 MPa).
2. SAND IN MORTAR SHALL COMPLY TO SANS 1090.
3. ALL BRICKS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 14 MPa AND A MAXIMUM WATER ABSORPTION OF 10%.
4. MANUFACTURING CONTROL OF MASONRY TO BE CATEGORY A TO SANS 10164.
5. CONSTRUCTION CONTROL OF MASONRY TO BE CATEGORY 11 TO SANS 10164.
6. PROVIDE ADEQUATE SEALING BETWEEN REINFORCED CONCRETE & STRUCTURAL STEEL FRAME AND MASONRY WALLS.
7. BRICKFORCE REINFORCING TO BE PROVIDED AT EVERY THIRD COARSE IN ALL 280 WALLS ONLY AND IN ALL LAYERS FOR 5 LAYERS ABOVE ALL OPENINGS. THE ADDITIONAL BRICKFORCE ABOVE OPENINGS SHALL BE EXTENDED AT LEAST 300mm ON BOTH SIDES.
8. ALL JOINTS TO BE 10mm WIDE.
9. MORTAR TO BE CONTINUOUS BETWEEN SKINS OF DOUBLE WALLS.
10. ALL LINTELS SHALL COMPLY TO SANS 1504 AND EXTEND MIN 220 BEYOND OPENINGS.
11. DPC UNDER FLOORS TO BE 250 MICRON BRICK GRIP TYPE.
12. FINISHES AS PER CLIENT REQUIREMENT.
13. WALL TIES TO CAVITY WALLS SPACED EVERY 600C/C VERTICALLY AND HORIZONTALLY & 300mm C/C ABOVE OPENINGS

CONCRETE NOTES
1. ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED TO SANS 2001 (CC1 & CC2) & SANS 10100-2
2. CONCRETE GRADE TO STRUCTURAL ELEMENTS SHALL BE 40MPA AT 28 DAYS U.O.S
3. BLINDING CONCRETE TO BE MIN 15 MPA
4. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH SANS 10100-2
5. ALL EXPOSED CORNERS TO HAVE 20mm CHAMFER
6. ALL REINFORCEMENT SHALL BE HOT DIPPED GALVANISED
7. MIN COVER TO REINFORCEMENT SHALL BE 50mm
8. ALL REINFORCEMENT TO BE CHECKED BY ENGINEER PRIOR TO CAST OF CONCRETE
9. GROUT SHALL BE NON-SHRINK AND INSTALLATION PERFORMED TO THE MANUFACTURERS SPECIFICATIONS

APPROVED FOR CONSTRUCTION

CLIENT: TRANSNET national ports authority

Client Name:	
Designation & Section:	
Client Signature:	Project Phase 2
Date:	
Contact No.'s:	

No.	DATE	REVISION DETAIL
1	15/03/2021	NOTES REVISED & TITLE BLOCK REVISED
2	26/03/2021	SECTION A CALL OUT & DETAIL REVISED
3	08/04/2021	ISSUED FOR APPROVAL
4	22/06/2021	SHEET NUMBER & DESCRIPTION REVISED
5	31/11/2022	SECTION B REVISED, NOTES ADDED, TRENCH COVER DETAIL ADDED, DWG ISSUED & APPROVED FOR CONSTRUCTION

Main Contractor: Stateway Switchboards

Main Contractor:	Stateway Switchboards Pty Ltd
ZML Africa Drawing No.	TNPA/2020

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

Sub-Consultant: LUBISI CONSULTING — A NEW PERSPECTIVE TO ENGINEERING CONSULTING

Site Address: Sturrock Dry Dock, Cape Town

Building Name: Combined Pump House & Graving Dock Substation

Project Description: Sturrock Dry Dock Electrical Infrastructure Upgrades

Drawing Description: Foundation Layout & Details

Drawn:	E.M.	Date:	02 / 2021
Designer/ Checked:	E.M.	Scale:	AS SHOWN
Approved:	C.T.P.	Drawing Size:	A1
Prof Reg. No.	20050009	Revision No.	5
Signature:			

Drawing Number: TNPA/2020-SE-001

Site & Building No.	Floor No.	Discipline & Service Type
		STRUCTURAL
Sheet Number	**Project Number**	**Proposal No.**
1 OF 2	TNPA857 CIDB	-