GENERAL NOTES

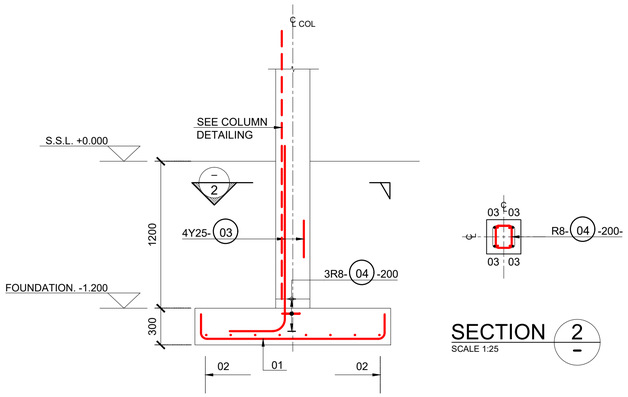
1. ALL DIMENSIONS ARE IN MM U.O.N.
2. USE FIGURED DIMENSIONS ; DO NOT SCALE OFF
3. CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE BEFORE CONSTRUCTION COMMENCES & AN DISCREPANCIES REPORTED TO THE ARCHITECT OR ENGINEER.

CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED TO SANS 2001(CC1 & CC2) AND SANS 10100-2
2. CONCRETE GRADE TO STRUCTURAL ELEMENTS SHALL BE 40MPA AT 28 DAYS
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

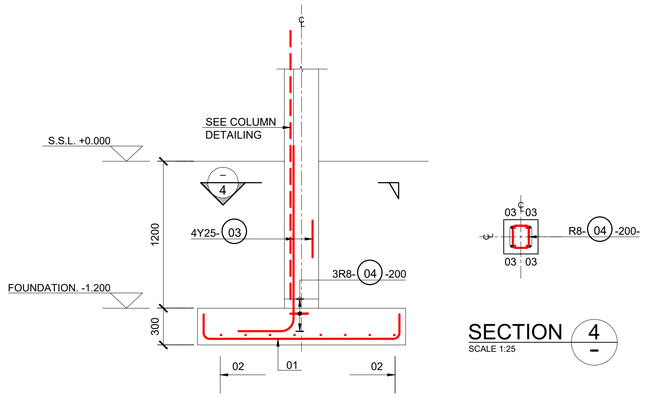
MEMBER	NO OF	NO BARS	DIA	CUT LENGTH	TOTAL	BAR MARK	SC	A	B	C	D	E/R	kg
280x280 COLUMN C1	24	4	Y25	6050	96	05	34	5830					2238
	24	28	R8	850	672	06	60	170	170				225
1600x1600x300 DEEP	20	9	Y16	1750	180	01	35	1500					497
PAD FOOTING PF1	20	9	Y16	1750	180	02	35	1500					497
	20	4	Y25	1900	80	03	37	450	[1510]				586
	20	3	R8	750	60	04	60	170	120				18
1700x1700x300 DEEP	4	9	Y16	1850	36	01	35	1600					105
PAD FOOTING PF2	4	9	Y16	1850	36	02	35	1600					105
	4	4	Y25	1900	16	03	37	450	[1510]				117
	4	3	R8	750	12	04	60	170	120				4

	6	8	10	12	16	20	25	32	40	TOTAL
R		247								247
Y					1205		2941			4145
TOTAL		247			1205		2941			4392



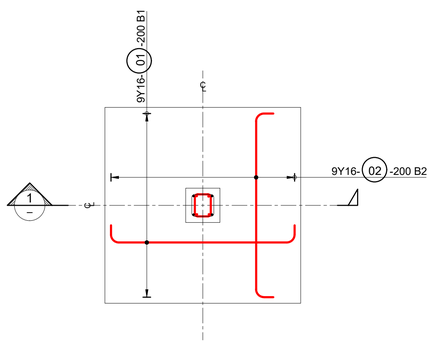
SECTION 1
SCALE 1:25

SECTION 2
SCALE 1:25

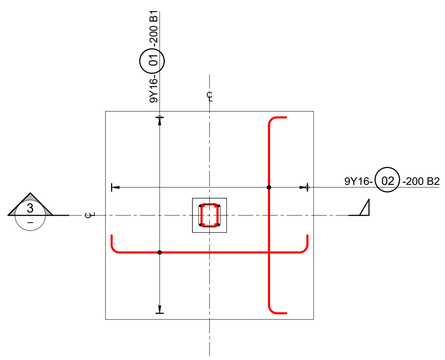


SECTION 3
SCALE 1:25

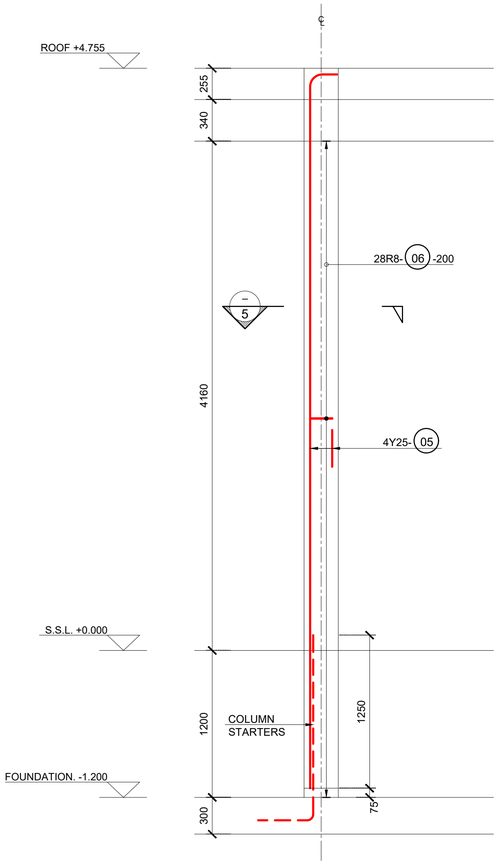
SECTION 4
SCALE 1:25

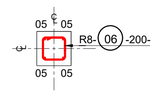


PAD FOOTING PF1 (20 No. OFF)
1600x1600x300 DEEP
SCALE 1:25



PAD FOOTING PF2 (4 No. OFF)
1700x1700x300 DEEP
SCALE 1:25





SECTION 5
SCALE 1:25

COLUMN C1 (24 No. OFF)
280x280
SCALE 1:25

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
0	06/05/21	ORIGINAL ISSUE FOR APPROVAL
1	30/11/22	NOTES UPDATED, DRAWING 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:
Pad Footing & Column Reinforcement Layout & Details

Drawn:	E.M.	Date:	04 / 2021
Designer/ Checked:	E.M.	Scale:	AS SHOWN
Approved:	C.T.P.	Drawing Size:	A1
Prof Reg. No.	20050009	Revision No.	1
Signature:			

Drawing Number: TNPA/2020-SE-005

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