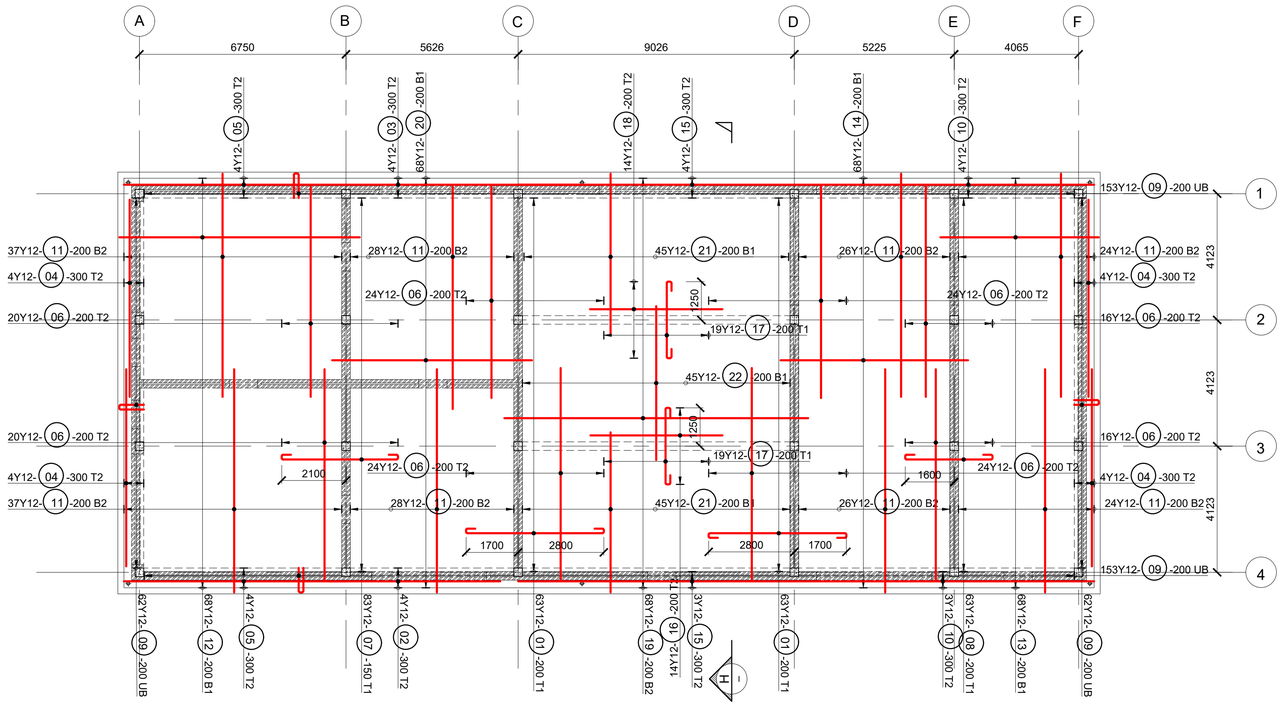


ROOF SLAB REINFORCEMENT LAYOUT

SCALE 1:100

GENERAL NOTES

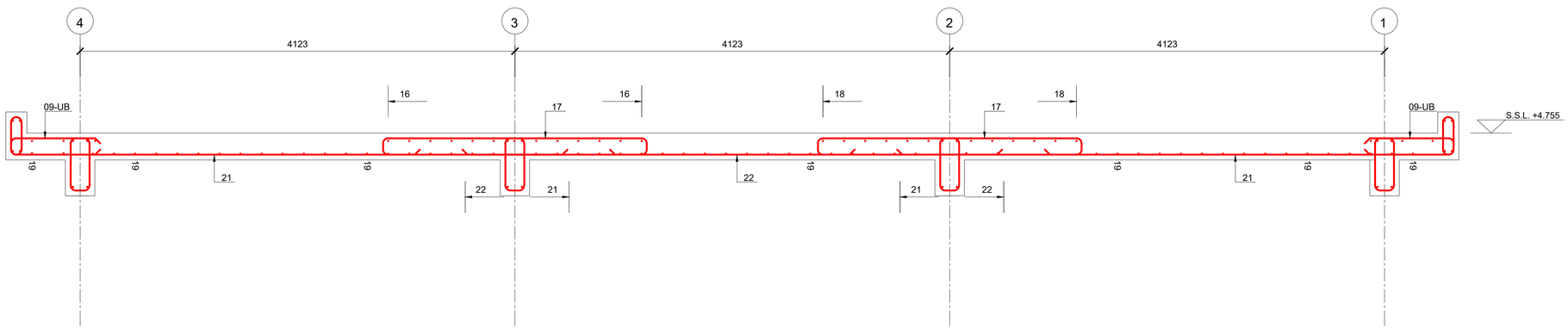
1. ALL DIMENSIONS ARE IN MM U.O.N.
2. USE FIGURED DIMENSIONS ; DO NOT SCALE OFF
3. CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE BEFORE CONSTRUCTION COMMENCES & AN DISCREPANCIES REPORTED TO THE ARCHITECT OR ENGINEER.

CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL BE PERFORMED TO SANS 2001 (CC1 & CC2) & 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
255mm THICK	1	126	Y12	5300	126	01	55	300	150	4500	150	[300]	593
ROOF SLAB	1	4	Y12	5650	4	02	20	[5620]					20
	1	4	Y12	7850	4	03	20	[7830]					28
	1	16	Y12	6450	16	04	20	[6430]					92
	1	8	Y12	7250	8	05	20	[7250]					51
	1	168	Y12	6950	168	06	20	[6920]					1037
	1	83	Y12	4600	83	07	55	300	150	3800	150	[300]	339
	1	63	Y12	3650	63	08	55	300	150	2850	150	[300]	204
	1	430	Y12	1700	430	09	'38	800	150	[800]	120	120	649
	1	7	Y12	9800	7	10	20	[9790]					61
	1	230	Y12	7300	230	11	20	[7290]					1491
	1	68	Y12	7850	68	12	20	[7850]					474
	1	68	Y12	5200	68	13	20	[5170]					314
	1	68	Y12	6150	68	14	20	[6120]					371
	1	7	Y12	9050	7	15	20	[9020]					56
	1	14	Y12	4350	14	16	20	[4310]					54
	1	38	Y12	3300	38	17	55	300	150	2500	150	[300]	111
	1	14	Y12	4350	14	18	20	[4320]					54
	1	68	Y12	9950	68	19	20	[9920]					601
	1	68	Y12	6550	68	20	20	[6520]					395
	1	90	Y12	5250	90	21	20	[5220]					419
	1	45	Y12	5050	45	22	20	[5020]					202

	6	8	10	12	16	20	25	32	40	TOTAL
R										
Y				7616						7616
TOTAL				7616						7616



SECTION H

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	31/11/2022	NOTES EDITED, 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: Roof Slab Reinforcement Layout & Section

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-009

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