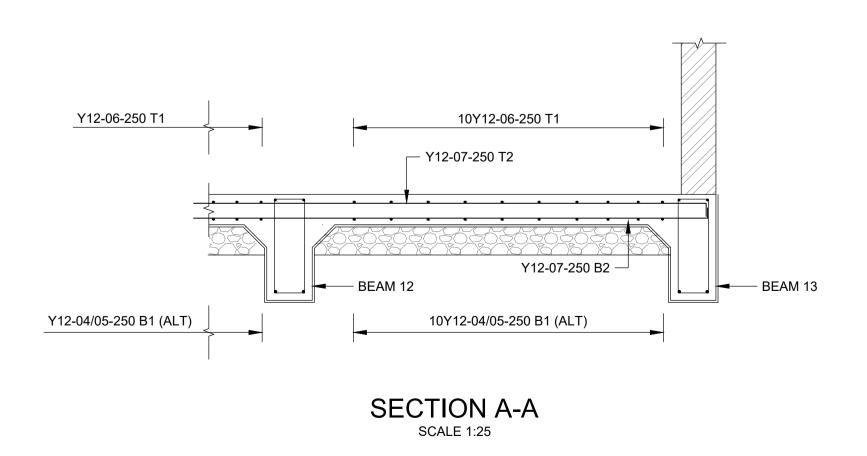


LARGE AND SMALL STORAGE FOUNDATION REINFORCEMENT LAYOUT



		REINFORCEMENT						BENDING DIMENSIONS				
	No. Off	Type & Dia	Mark	No in Each	Total No.	Length mm	Shape Code	A mm	B mm	C mm	D mm	E/R mm
200mm THICK RC FLOOR SLAB	1	Y12	01	72	72	2540	37	140	2425			
		Y12	02	36	36	1730	37	140	1615			
		Y12	03	36	36	3340	37	140	3230			
		Y12	04	25	25	3020	37	140	2905			
		Y12	05	25	25	5920	37	140	5810			
		Y12	06	50	50	4470	37	140	4355			
		Y12	07	60	60	5610	37	130	5510			
		Y12	08	30	30	6500	20	6500				
		Y12	09	15	15	2560	37	130	2460			
		Y12	10	15	15	5020	37	130	4920			
		Y12	11	30	31	3790	37	130	3690			
		Y10	ST1	115	115	820	83	250	85	250	250	
BEAMS 1 & 2 (700Dx 300W)	2	Y12	12	4	8	8710	37	150	8585			
		Y16	13	4	8	8850	37	200	8685			
		R10	SA1	66	132	1730	60	600	200			
		1010	OA1	00	102	1730	00	000	200			
BEAM 3 (700Dx 300W)	1	Y12	14	2	2	9980	38	150	9740	150		
		Y16	15	2	2	10060	38	200	9740	200		
		R10	SA1	38	38	1730	60	600	200			
BEAM 4	1	Y12	16	2	2	3110	38	150	2870	150		
(700Dx 300W)	•	Y16	17	2	2	3190	38	200	2870	200		
		R10	SA1	11	11	1730	60	600	200	200		
		1110	0,11	ļ ··	1	1700		000	200			
BEAMS 5 & 6 (700Dx 300W)	2	Y12	16	2	4	6980	38	150	6735	150		
		Y16	17	2	4	7060	38	200	6735	200		
		R10	SA1	26	52	1730	60	600	200			
BEAMS 7, 8 & 9 (700Dx 300W)	3	Y12	18	2	6	4450	38	150	4205	150		
		Y16	19	2	6	4530	38	200	4205	200		
		R10	SA1	16	48	1730	60	600	200			
BEAMS 10,	3	Y12	20	2	6	8310	38	150	8065	150		
12 & 13 (700Dx 300W)		Y16	21	2	6	8390	38	200	8065	200		
		R10	SA1	16	48	1730	60	600	200			
				_								
BEAM 11 (700Dx 300W)	1	Y12	22	2	2	2610	38	150	2365	150		
		Y16	23	2	2	2690	38	200	2365	200		
		R10	SA1	9	9	1730	60	600	200			
	1	- 1	ĺ	1	1	1		1		1	1	

LARGE AND SMALL STORAGE FOUNDATION REINFORCEMENT LAYOUT AND DETAILS

CONSULTING ENGINEER DESIGNED: M.S.M DRAWN: SIGNATURE:.. M.S.M CHECKED: PR. NO.:. SCALE: AS SHOWN MAY 2024 DATE: ORIGINAL SIZE: A1 REFERENCE NO. FIGURE NO. REVISION 131

CAD FILE:

ISSUED FOR TENDER

GENERAL NOTES All work to be in accordance with the NATIONAL BUILDING REGULATIONS and STANDARDS ACT No. 103 of 1977 2. All drawings to be read in conjuction with the Architect's

6.TD = To detail, INV = Inverted, TAD = To arch. detail

7.Sleeves and ducts must be provided for all pipes and

3. All dimensions to be checked on site and any discrepancies in the thickness of foundations shown on drawing. to be reported before construction commences.

4. No concrete to be poured without the Engineer's consent. 5. No structural alterations to be made without amended drawings

NOTES ON FOUNDATION CONSTRUCTION Foundations are subject to alterations as excavations proceed. 2.No foundations are to be cast until excavations have been approved. 3.A 50mm thick blinding layer of 1:3:6 conc. to be cast in all foundations excavated. This 50mm thick layer is not included

NOTES ON R.C. CONSTRUCTION 1.The Contractor is to maintain the reinforcing steel in the 2.Minimum cover to steel reinforcing: Slabs: 30mm

Beams: 30mm Columns: 40mm Foundations: 50mm 3.Concrete or Tile spacer blocks to be used to maintain adequate 4. The contractor is to arrange for cube crushing tests to be as and when requested by the engineer. 5.Breaks in concrete are only to be made where approved by the

6.Beam depth given first and includes slab thickness. 7.Concrete works cube strength is at 28 days to be as follows: Foundations, Beams & Slabs, Pile Caps, Columns: 30 MPa. unless stated otherwise on the R.C. drawing. 8.All concrete to be machine mixed, vibrated and damp cured.

9.Reinforcement is listed elsewhere on bending schedules.

10.All reinforcement must be inspected by the engineer prior

to pouring concrete.

NOTES BAR MARKS UPDATED, BEAM NUMBERS AND BENDING SCHEDULE ADDED M.S.M APPROVED DATE

DRAWING REFERENCE

TITLE

REVISIONS

AMENDMENT

CLIENT

SOUTH AFRICAN POLICE SERVICE



07/2024

Thekwini Geocivils cc T/A TGC Engineers Geotechnical & Civil Engineers Waste Disposal Consultants • Project Managers

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PROJECT

NEW SAPS IKAGENG POLICE STATION: NORTH WEST