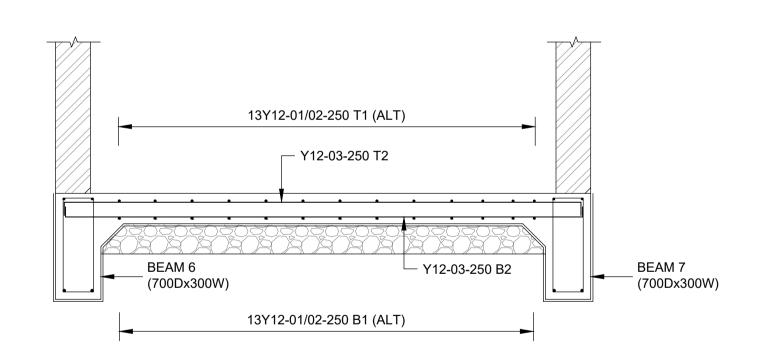


OFFICE BLOCK FOUNDATION REINFORCEMENT LAYOUT SCALE 1:50

			REI	NFORC	EMENT			BEN	IDING DIM	ENSION:	S	
MEMBER	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	26	26	5630	37	140	5520			
		Y12	02	26	26	11150	37	140	11040			
		Y12	03	122	122	3680	38	130	3480	130		
		Y10	ST1	69	69	820	83	250	85	250	250	
BEAMS 1 &	2	Y12	04	2	4	4680	38	150	4440	150		
5 (700Dx 300W)		Y16	05	2	4	4760	38	200	4440	200		
		R10	SA1	17	34	1730	60	600	200			
BEAMS 2, 3, 4 & 8 (700Dx 300W)	4	Y12	06	2	8	3680	38	150	3440	150		
		Y16	07	2	8	3760	38	200	3440	200		
		R10	SA1	13	52	1730	60	600	200			
BEAMS 6 & 7 (700Dx 300W)	2	Y12	08	4	8	8380	37	150	8255			
		Y16	09	4	8	8520	37	200	8355			
		R10	SA1	63	126	1730	60	600	200			



SECTION A-A
SCALE 1:25

## **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

3. All dimensions to be checked on site and any discrepancies 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 6.TD = To detail, INV = Inverted, TAD = To arch. detail 7.Sleeves and ducts must be provided for all pipes and

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 in the thickness of foundations shown on drawing.

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 07/2024 APPROVED DATE **AMENDMENT REVISIONS** CLIENT **SOUTH AFRICAN POLICE SERVICE**

DRAWING REFERENCE

Thekwini Geocivils cc T/A

TGC Engineers

Geotechnical & Civil Engineers

Waste Disposal Consultants • Project Managers

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PROJECT

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Westville

Telephone 265-1777

**NEW SAPS IKAGENG POLICE STATION: NORTH WEST** 

**OFFICE BLOCK FOUNDATION REINFORCEMENT LAYOUT AND DETAILS** 

CONSULTING ENGINEER	DESIGNED:	M.S.M		
SIGNATURE:	DRAWN:	R.M.Y		
GIGITATI GITLE	CHECKED:	M.S.M		
PR. NO.:	SCALE:	AS SHOWN	I	
DATE:	DATE :	MAY 2024		
	ORIGINAL SIZE: A1			
REFERENCE NO.	FIGURE NO.		REVISION	
51660		139	Α	

CAD FILE: