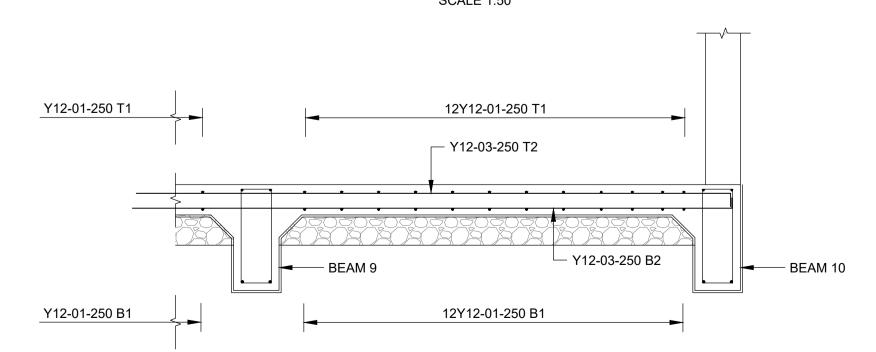


ECONOMIC CRIME MEMBERS BLOCK FOUNDATION REINFORCEMENT LAYOUT



SECTION A-A SCALE 1:25

MEMBER	Off	w Dia	Iviark	Each	No.	mm	Code	mm	mm	mm	mm	mm
200mm THICK RC FLOOR SLAB	1	Y12	01	100	100	8390	37	140	8275			
		Y12	02	72	72	6540	38	130	6340	130		
		Y12	03	48	48	7000	38	130	6795	130		
		Y10	ST1	134	134	820	83	250	85	250	250	
BEAM 1 (700Dx 300W)	1	Y12	04	2	2	8100	38	150	7855	150		
		Y16	05	2	2	8180	38	200	7855	200		
		R10	SA1	31	31	1730	60	600	200			
BEAMS 2 & 3 (700Dx 300W)	2	Y12	06	2	4	6990	38	150	6750	150		
		Y16	07	2	4	7070	38	200	6750	200		
		R10	SA1	27	54	1730	60	600	200			
BEAMS 4 & 5 (700Dx 300W)	2	Y12	08	2	4	6540	38	150	6300	150		
		Y16	09	2	4	6620	38	200	6300	200		
		R10	SA1	25	50	1730	60	600	200			
BEAM 6 (700Dx 300W)	1	Y12	10	2	2	8160	38	150	7915	150		
	'	Y16	11	2	2	9240	38	200	7915	200		
		R10	SA1	31	31	1730	60	600	200	200		
BEAM 7 (700Dx 300W)	1	Y12	12	2	2	6760	38	150	6520	150		
		Y16	13	2	2	6840	38	200	6520	200		
		R10	SA1	26	26	1730	60	600	200			
BEAM 8 (700Dx 300W)	1	Y12	14	2	2	9830	38	150	9590	150		
		Y16	15	2	2	9910	38	200	9590	200		
		R10	SA1	38	38	1730	60	600	200			
BEAMS 9 & 10 (700Dx 300W)	2	Y12	16	4	8	8380	37	150	8255			
		Y16	17	4	8	8520	37	200	8355			
		R10	SA1	64	128	1730	60	600	200			

BENDING DIMENSIONS

REINFORCEMENT

Type Mark No in Total Length Shape A

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. to pouring concrete. 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

DRAWING REFERENCE NOTES BAR MARKS UPDATED, BEAM NUMBERS AND BENDING SCHEDULE ADDED M.S.M 07/2024 APPROVED DATE **AMENDMENT REVISIONS** CLIENT **SOUTH AFRICAN**

POLICE SERVICE



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

Suite 6 4 The Crescent Westway Office Park Westville Telephone 265-1777



PAVILION Telefax 265-2727 E-mail: tgc@tgcengineers.co.za

P.O. Box 446

PROJECT

NEW SAPS IKAGENG POLICE STATION: NORTH WEST

ECONOMIC CRIME MEMBERS BLOCK FOUNDATION REINFORCEMENT LAYOUT AND DETAILS

		7 11.20			
CONSULTING ENGINEER	DESIGNED:	M.S.M			
SIGNATURE:	DRAWN:	R.M.Y			
OIOIVAT OILE	CHECKED:	M.S.M			
PR. NO.:	SCALE:	AS SHOWN			
DATE:	DATE :	MAY 2024			
	ORIGINAL SIZE: A1				
REFERENCE NO.	FIGURE NO.		REVISION		
51660		138	A		

CAD FILE: