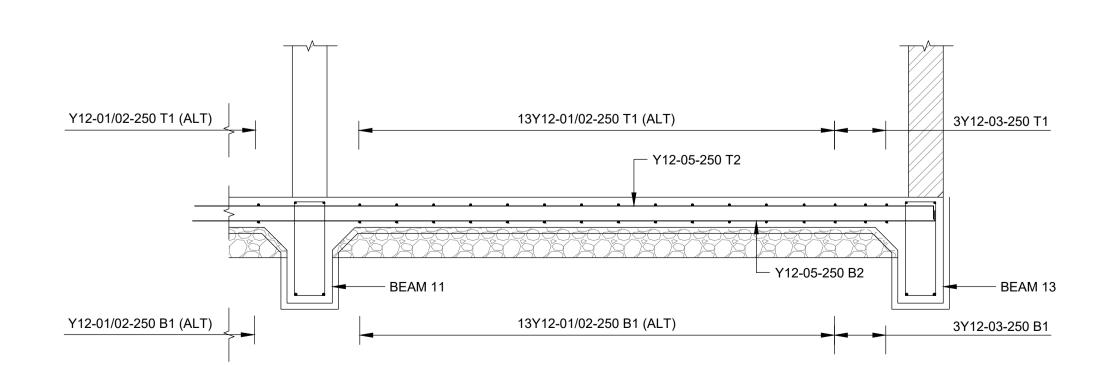


DETECTIVES BLOCK FOUNDATION REINFORCEMENT LAYOUT SCALE 1:50



SECTION A-A SCALE 1:25

LOOK												
SLAB		Y12	03	6	6	6780	38	140	6555	140		
		Y12	04	70	70	9470	38	130	9270	130		
		Y12	05	48	48	10240	38	130	10040	130		
		Y10	ST1	195	195	820	83	250	85	250	250	
BEAM 1	1	Y12	06	2	2	11390	38	150	11145	150		
(700Dx 300W)		Y16	07	2	2	11470	38	200	11145	200		
		R10	SA1	18	18	1730	60	600	200			
BEAMS 2 & 3 (700Dx	2	Y12	80	2	4	10240	38	150	9995	150		
300W)		Y16	09	2	4	10320	38	200	9995	200		
		R10	SA1	40	80	1730	60	600	200			
BEAMS 4,	3	Y12	10	2	6	9470	38	150	9230	150		
5 & 6	<u> </u>	Y16	11	2	6	9550	38	200	9230	200		
(700Dx 300W)		R10	SA1	36			60	600	200	200		
,		KIU	SAT	30	108	1730	00	800	200			
BEAM 7	1	Y12	12	2	2	10470	38	150	10230	150		
(700Dx 300W)		Y16	13	2	2	10550	38	200	10230	200		
		R10	SA1	40	40	1730	60	600	200			
BEAM 8	1	Y12	14	2	2	3060	38	150	2820	150		
(700Dx 300W)		Y16	15	2	2	3140	38	200	2820	200		
		R10	SA1	11	11	1730	60	600	200			
DEANAG 6 6												
BEAMS 9 & 10 (700Dx	2	Y12	16	4	8	8380	37	150	8255			
300W)		Y16	17	4	8	8520	37	200	8355			
		R10	SA1	64	128	1730	60	600	200			
BEAM 11 (700Dx 300W)	1	Y12	18	4	4	8480	37	150	8355			
	1	Y16	19	4	4	8620	37	200	8455			
		R10	SA1	64	64	1730	60	600	200			
		KIU	JA I	04	04	1730	00	300	200			
BEAM 12 (700Dx 300W)	1	Y12	22	2	2	9900	38	150	9660	150		
		Y16	23	2	2	9980	38	200	9660	200		
		R10	SA1	38	38	1730	60	600	200			
BEAM 13 (700Dx	1	Y12	24	2	2	6760	38	150	6520	150		
300W)		Y16	25	2	2	6840	38	200	6520	200		
		R10	SA1	26	26	1730	60	600	200			

MEMBER No. Type Mark No in Total Length Shape A B C D E/R

1 Y12 01 70 70 5630 37 140 5520

 Y12
 02
 70
 70
 11150
 37
 140
 11040

THICK RC

FLOOR

Off & Dia Each No. mm Code mm mm mm mm mm

ISSUED FOR TENDER

to pouring concrete.

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

		DRAWING REFERE	ENCE					
		TITLE						
	NOTES							
-	A	BAR MARKS UPDATED, BEAM NUMBERS AND BENDING SCHEDULE ADDED	M.S.M	07/2024				
	NO.	AMENDMENT	APPROVED	DATE				
	REVISIONS							
	CLIE	SOUTH AFRICAN	ST A FRICA					
		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



P.O. Box 446 **PAVILION** Telefax 265-2727 E-mail: tgc@tgcengineers.co.za

PROJECT

NEW SAPS IKAGENG POLICE STATION: NORTH WEST

DETECTIVES BLOCK FOUNDATION REINFORCEMENT **LAYOUT AND DETAILS**

	51660		140	Α	
d.	REFERENCE NO.	FIGURE NO.		REVISION	
s: 1.		ORIGINAL SIZE: A1			
	DATE:	DATE :	MAY 2024		
	PR. NO.:	SCALE:	AS SHOWN		
	SIGIVITORE	CHECKED:	M.S.M		
	SIGNATURE:	DRAWN:	R.M.Y		
	CONSULTING ENGINEER	DESIGNED:	M.S.M		

CAD FILE: