



MEMBER	No. Off	REINFORCEMENT					BENDING DIMENSIONS					
		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	32	32	2130	37	140	2020			
		Y12	02	32	32	4150	37	140	4040			
		Y12	03	64	64	3140	37	140	3030			
		Y12	04	19	19	3090	37	130	2985			
		Y12	05	19	19	6070	37	130	5970			
		Y12	06	38	38	4580	37	130	4480			
		Y10	ST1	51	51	820	83	250	85	250	250	
BEAMS 1, 2, 3 & 4 (700Dx 300W)	4	Y12	07	2	8	8560	38	150	8315	150		
		Y16	08	2	8	8640	38	200	8315	200		
		R10	SA1	33	132	1730	60	600	200			
BEAMS 5, 6, 7 & 8 (700Dx 300W)	4	Y12	09	2	8	5660	38	150	5420	150		
		Y16	10	2	8	5740	38	200	5420	200		
		R10	SA1	21	84	1730	60	600	200			

RESTROOM FOUNDATION REINFORCEMENT LAYOUT  
SCALE 1:50

SECTION A-A  
SCALE 1:25

DRAWING REFERENCE

TITLE

NOTES

REVISIONS

CLIENT  
**SOUTH AFRICAN  
POLICE SERVICE**



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PROJECT

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

TITLE  
**RESTROOM FOUNDATION  
REINFORCEMENT LAYOUT  
AND DETAILS**

CONSULTING ENGINEER  
DESIGNED : M.S.M

SIGNATURE:.....  
DRAWN : R.M.Y

PR. NO.:.....  
CHECKED : M.S.M

SCALE : AS SHOWN

DATE:.....  
DATE : MAY 2024

REFERENCE NO.  
ORIGINAL SIZE: A1

FIGURE NO. **129**

REVISION  
**A**

CAD FILE:  
S/.....

ISSUED FOR TENDER

<b>GENERAL NOTES</b> 1. 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 conjunction with the Architect's relevant drawings. 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 services.	<b>NOTES ON FOUNDATION CONSTRUCTION</b> 1. 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.	<b>NOTES ON R.C. CONSTRUCTION</b> 1. The Contractor is to maintain the reinforcing steel in the correct position. 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 cover. 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 engineer. 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.
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