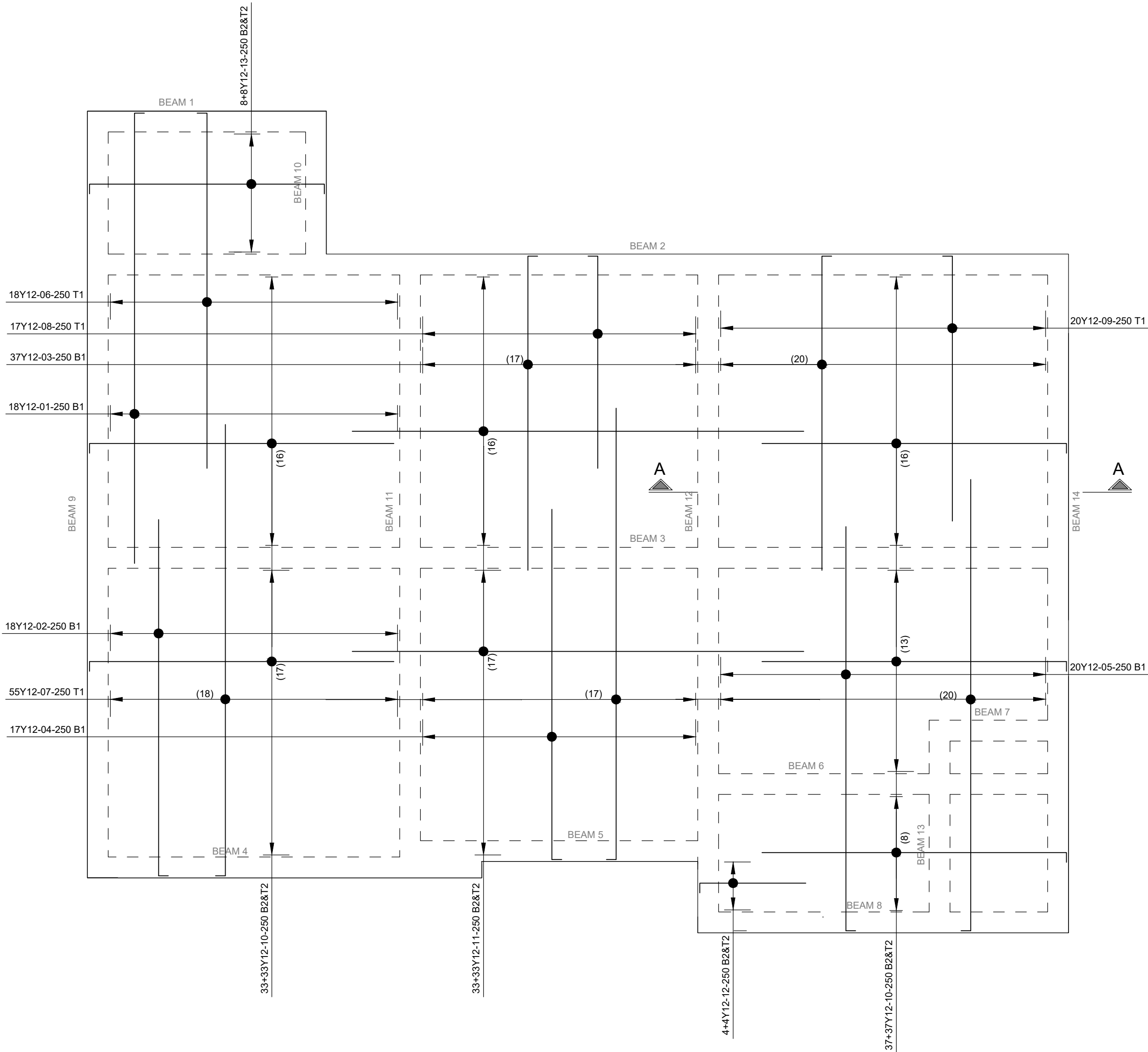
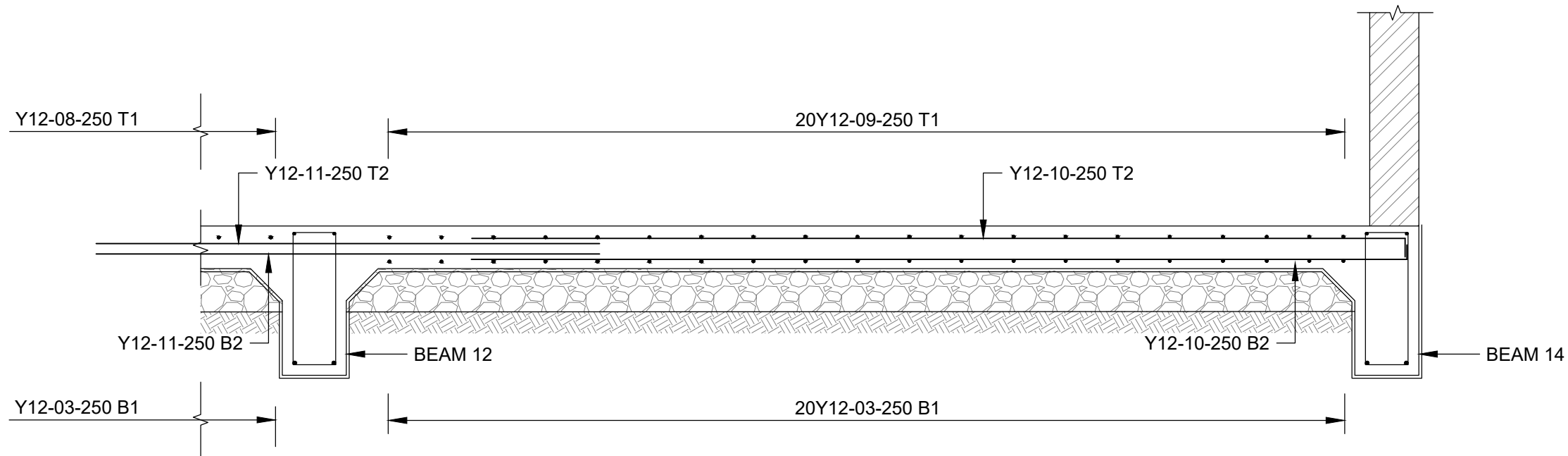




LECTURE ROOM AND KITCHEN FOUNDATION REINFORCEMENT LAYOUT
SCALE 1:50



SECTION A-A
SCALE 1:25

MEMBER	No. Off	REINFORCEMENT					Shape Code	BENDING DIMENSIONS				
		Type & Dia	Mark	No in Each	Total No.	Length mm		A mm	B mm	C mm	D mm	E/R mm
200mm THICK RC FLOOR SLAB	1	Y12	01	18	18	6600	37	140	6485			
		Y12	02	18	18	5240	37	140	5130			
		Y12	03	37	37	4340	38	140	4525			
		Y12	04	17	17	5160	37	140	5045			
		Y12	05	20	20	5930	37	140	5820			
		Y12	06	18	18	5230	37	140	5115			
		Y12	07	55	55	6610	37	140	6500			
		Y12	08	17	17	3170	37	140	3055			
		Y12	09	20	20	3930	37	140	3815			
		Y12	10	140	140	4490	37	130	4385			
		Y12	11	66	66	6500	20	6500				
		Y12	12	8	8	1630	37	130	1525			
		Y12	13	16	16	3580	38	130	3380	130		
		Y10	ST1	182	182	820	83	250	85	250	250	
BEAM1 (700Dx 300W)	1	Y12	14	2	2	3580	38	150	3340	150		
		Y16	15	2	2	3660	38	200	3340	200		
		R10	SA1	13	13	1730	60	600	200			
BEAMS 2 & 3 (700Dx 300W)	2	Y12	16	4	8	7440	37	150	7315			
		Y16	17	4	8	7580	37	200	7415			
		R10	SA1	56	112	1730	60	600	200			
BEAM 4 (700Dx 300W)	1	Y12	18	2	2	5810	38	150	5570	150		
		Y16	19	2	2	5890	38	200	5570	200		
		R10	SA1	22	22	1730	60	600	200			
BEAM 5 (700Dx 300W)	1	Y12	20	2	2	4730	38	150	4490	150		
		Y16	21	2	2	4810	38	200	4490	200		
		R10	SA1	17	17	1730	60	600	200			
BEAMS 6 & 8 (700Dx 300W)	2	Y12	22	2	4	5480	38	150	5240	150		
		Y16	23	2	4	5560	38	200	5240	200		
		R10	SA1	20	40	1730	60	600	200			
BEAM 7 (700Dx 300W)	1	Y12	24	2	2	2150	38	150	1905	150		
		Y16	25	2	2	2230	38	200	1905	200		
		R10	SA1	7	7	1730	60	600	200			
BEAM 9 (700Dx 300W)	1	Y12	26	2	2	11180	38	150	10940	150		
		Y16	27	2	2	11260	38	200	10940	200		
		R10	SA1	43	43	1730	60	600	200			
BEAM 10 (700Dx 300W)	1	Y12	26	2	2	2500	38	150	2260	150		
		Y16	27	2	2	2580	38	200	2260	200		
		R10	SA1	43	43	1730	60	600	200			
BEAM 11 (700Dx 300W)	1	Y12	28	2	2	9130	38	150	8885	150		
		Y16	29	2	2	9210	38	200	8885	200		
		R10	SA1	43	43	1730	60	600	200			
BEAMS 12 & 14 (700Dx 300W)	2	Y12	30	2	4	9920	38	150	9675	150		
		Y16	31	2	4	10000	38	200	9675	200		
		R10	SA1	38	76	1730	60	600	200			
BEAM 13 (700Dx 300W)	1	Y12	32	2	2	3200	38	150	2960	150		
		Y16	33	2	2	3280	38	200	2960	200		
		R10	SA1	11	11	1730	60	600	200			

ISSUED FOR TENDER

GENERAL NOTES		NOTES ON FOUNDATION CONSTRUCTION		NOTES ON R.C. CONSTRUCTION	
1. All work to be in accordance with the NATIONAL BUILDING REGULATIONS and STANDARDS ACT No. 103 of 1977		1. Foundations are subject to alterations as excavations proceed.		1. The Contractor is to maintain the reinforcing steel in the correct position.	
2. All drawings to be read in conjunction with the Architect's relevant drawings.		2. No foundations are to be cast until excavations have been approved.		2. Minimum cover to steel reinforcing: Slabs: 30mm	
3. All dimensions to be checked on site and any discrepancies to be reported before construction commences.		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.		Beams: 30mm Columns: 40mm Foundations: 50mm	
4. No concrete to be poured without the Engineer's consent.		4. The contractor is to arrange for cube crushing tests to be as and when requested by the engineer.		3. Concrete or Tile spacer blocks to be used to maintain adequate cover.	
5. No structural alterations to be made without amended drawings		5. Breaks in concrete are only to be made where approved by the engineer.		4. The contractor is to arrange for cube crushing tests to be as and when requested by the engineer.	
6. TD = To detail, INV = Inverted, TAD = To arch, detail		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.	
7. Sleeves and ducts must be provided for all pipes and services.		7. Breaks in concrete are only to be made where approved by the engineer.		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.	
CONSULTING ENGINEER		DESIGNED : M.S.M		DRAWN : R.M.Y	
SIGNATURE:.....		CHECKED : M.S.M		SCALE : AS SHOWN	
PR. NO.:.....		DATE : MAY 2024		ORIGINAL SIZE: A1	
DATE:.....		REFERENCE NO. 51660		FIGURE NO. 132	
CAD FILE: S/.....		REVISION A			

DRAWING REFERENCE

TITLE

NOTES

REVISIONS

CLIENT
**SOUTH AFRICAN
POLICE SERVICE**



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PROJECT

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

TITLE
**LECTURE ROOM AND KITCHEN
FOUNDATION REINFORCEMENT
LAYOUT AND DETAILS**

CONSULTING ENGINEER	DESIGNED : M.S.M	
	DRAWN : R.M.Y	
SIGNATURE:.....	CHECKED : M.S.M	
	SCALE : AS SHOWN	
PR. NO.:.....	DATE : MAY 2024	
	ORIGINAL SIZE: A1	
DATE:.....	REFERENCE NO. 51660	
	FIGURE NO. 132	
CAD FILE: S/.....		REVISION A