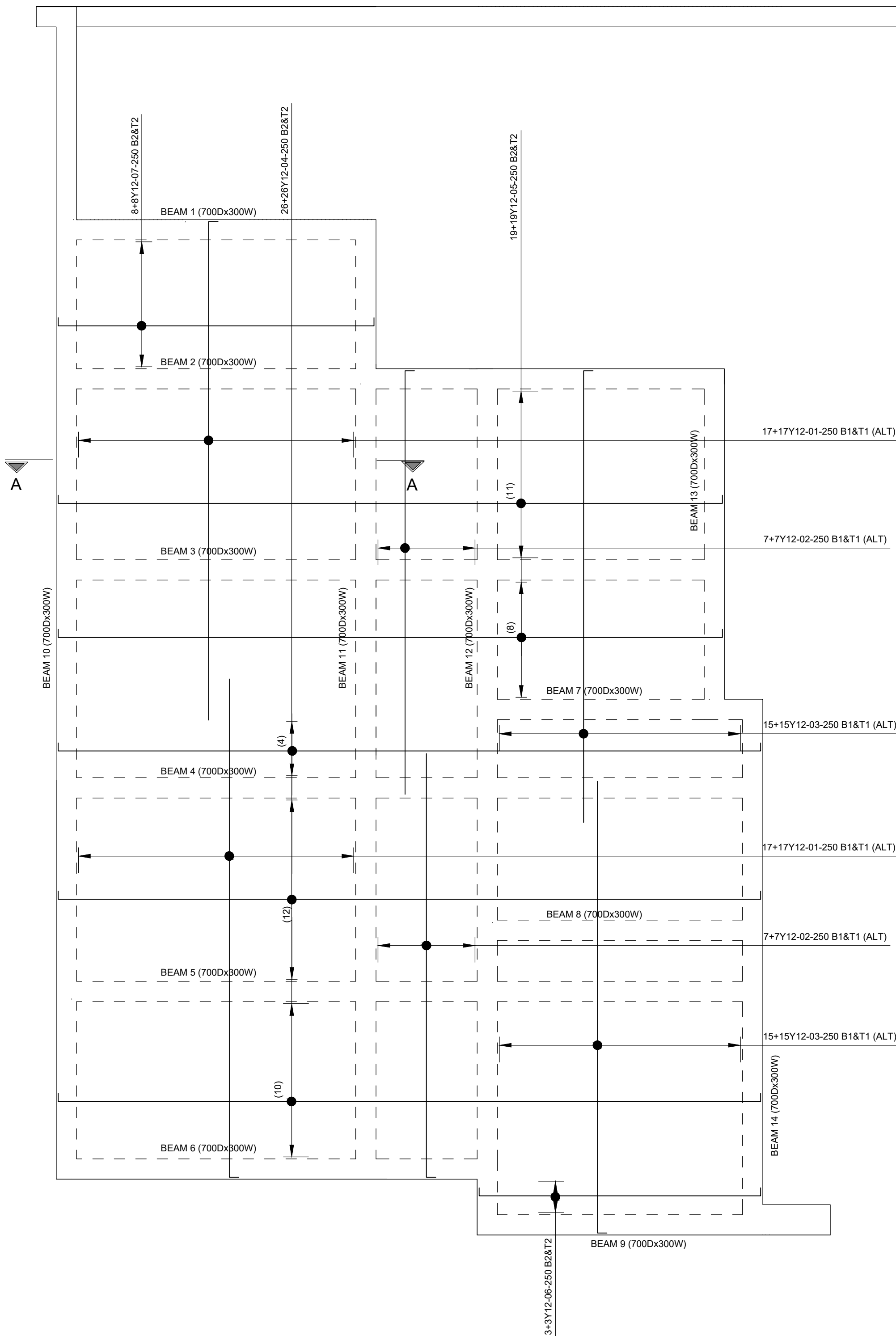
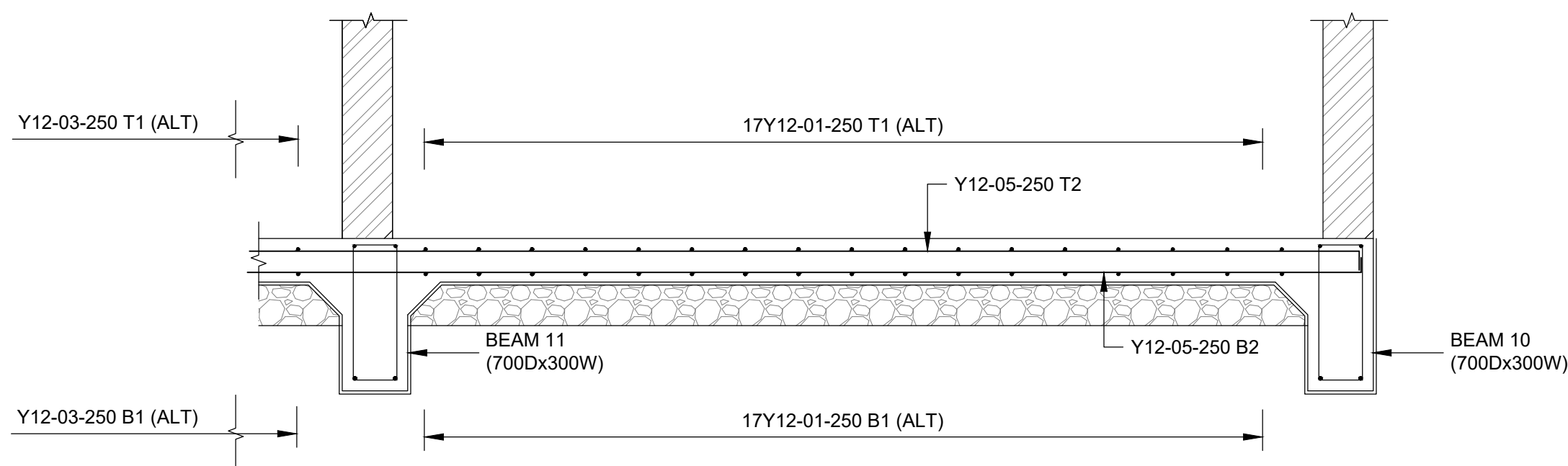




AMMUNITION STORAGE BLOCK FOUNDATION REINFORCEMENT LAYOUT
SCALE 1:50



SECTION A-A
SCALE 1:25

ISSUED FOR TENDER

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	68	68	7480	37	140	7370				
		Y12	02	28	28	6380	37	140	6265				
		Y12	03	60	60	6790	37	140	6680				
		Y12	04	52	52	10590	38	130	10390	130			
		Y12	05	38	38	10030	38	130	9825	130			
		Y12	06	6	6	4370	38	130	4165	130			
		Y12	07	16	16	4870	38	130	4670	130			
		Y10	ST1	174	174	820	83	250	85	250	250		
BEAM 1 (700Dx300W)	1	Y12	08	2	2	4870	38	150	4630	150			
		Y16	09	2	2	4950	38	200	4630	200			
		R10	SA1	18	18	1730	60	600	200				
BEAMS 2 & 3 (700Dx300W)	2	Y12	10	2	4	10030	38	150	9785	150			
		Y16	11	2	4	10110	38	200	9785	200			
		R10	SA1	39	78	1730	60	600	200				
BEAMS 4 & 5 (700Dx300W)	2	Y12	12	2	4	10590	38	150	10350	150			
		Y16	13	2	4	10670	38	200	10350	200			
		R10	SA1	41	82	1730	60	600	200				
BEAM 6 (700Dx300W)	1	Y12	14	2	2	6670	38	150	6425	150			
		Y16	15	2	2	6750	38	200	6425	200			
		R10	SA1	25	25	1730	60	600	200				
BEAMS 7 & 8 (700Dx300W)	2	Y12	16	2	4	4370	38	150	4125	150			
		Y16	17	2	4	4450	38	200	4125	200			
		R10	SA1	16	32	1730	60	600	200				
BEAM 9 (700Dx300W)	1	Y12	18	2	2	5370	38	150	5125	150			
		Y16	19	2	2	5450	38	200	5124	200			
		R10	SA1	20	20	1730	60	600	200				
BEAM 10 (700Dx300W)	1	Y12	20	4	4	9040	37	150	8920				
		Y16	21	4	4	9180	37	200	9020				
		R10	SA1	69	69	1730	60	600	200				
BEAM 11 (700Dx300W)	1	Y12	22	4	4	7470	37	150	7350				
		Y16	23	4	4	7610	37	200	7450				
		R10	SA1	56	56	1730	60	600	200				
BEAM 12 (700Dx300W)	1	Y12	24	2	2	12960	38	150	12715	150			
		Y16	25	2	2	13040	38	200	12715	200			
		R10	SA1	50	50	1730	60	600	200				
BEAM 13 (700Dx300W)	1	Y12	26	2	2	5330	38	150	5090	150			
		Y16	27	2	2	5410	38	200	5090	200			
		R10	SA1	20	20	1730	60	600	200				
BEAM 14 (700Dx300W)	1	Y12	28	2	2	8070	38	150	7825	150			
		Y16	29	2	2	8150	38	200	7825	200			
		R10	SA1	31	31	1730	60	600	200				

GENERAL NOTES

- All work to be in accordance with the NATIONAL BUILDING REGULATIONS and STANDARDS ACT No. 103 of 1977
- All drawings to be read in conjunction with the Architect's relevant drawings.
- All dimensions to be checked on site and any discrepancies to be reported before construction commences.
- No concrete to be poured without the Engineer's consent.
- No structural alterations to be made without amended drawings
- TD = To detail, INV = Inverted, TAD = To arch, detail
- Sleeves and ducts must be provided for all pipes and services.

NOTES ON FOUNDATION CONSTRUCTION

- Foundations are subject to alterations as excavations proceed.
- No foundations are to be cast until excavations have been approved.
- 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

- The Contractor is to maintain the reinforcing steel in the correct position.
- Minimum cover to steel reinforcing: Slabs: 30mm Beams: 30mm Columns: 40mm Foundations: 50mm
- Concrete or Tile spacer blocks to be used to maintain adequate cover.
- The contractor is to arrange for cube crushing tests to be as and when requested by the engineer.
- Breaks in concrete are only to be made where approved by the engineer.

NOTES ON R.C. CONSTRUCTION

- Beam depth given first and includes slab thickness.
- 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.
- All concrete to be machine mixed, vibrated and damp cured.
- Reinforcement is listed elsewhere on bending schedules.
- All reinforcement must be inspected by the engineer prior to pouring concrete.

DRAWING REFERENCE

TITLE

NOTES

REVISIONS

CLIENT

**SOUTH AFRICAN
POLICE SERVICE**



Thekwini Geocivils cc T/A

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Geotechnical & Civil Engineers
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PROJECT

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

**AMMUNITION STORAGE BLOCK
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.

51660

FIGURE NO.

142

REVISION

A

CAD FILE:

S/.....