



## WALLING

## CONCRETE WORKS

- i) 150mm thick reinforced conc. slab with reinforced ring beam to eng's details.
- ii) 125mm thick mass concrete floor slab on 50mm blinding layer on well compacted hardcore filling on a firm ground.
- iii) 600 x 200mm mass conc. strip foundation to eng's details.

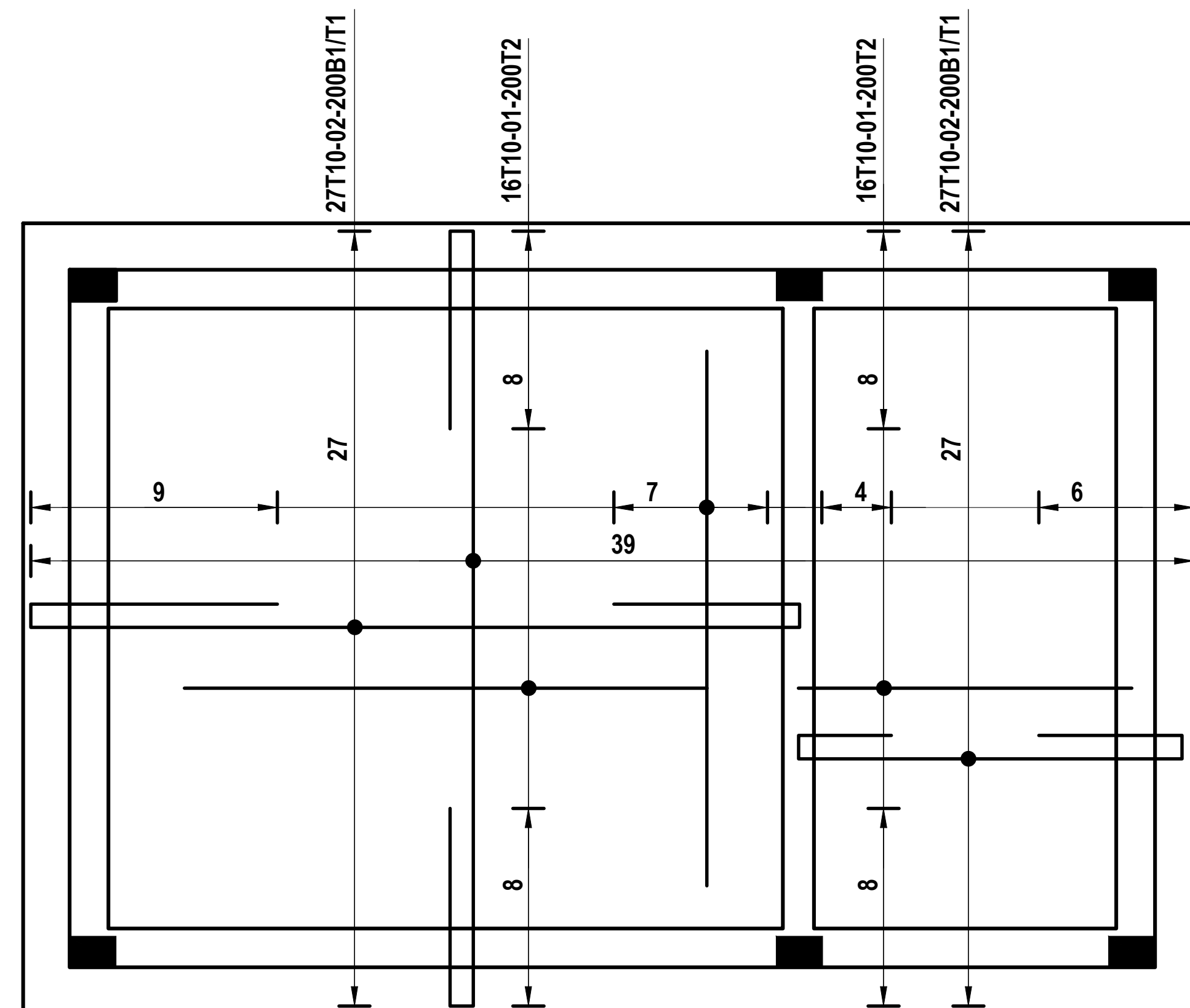
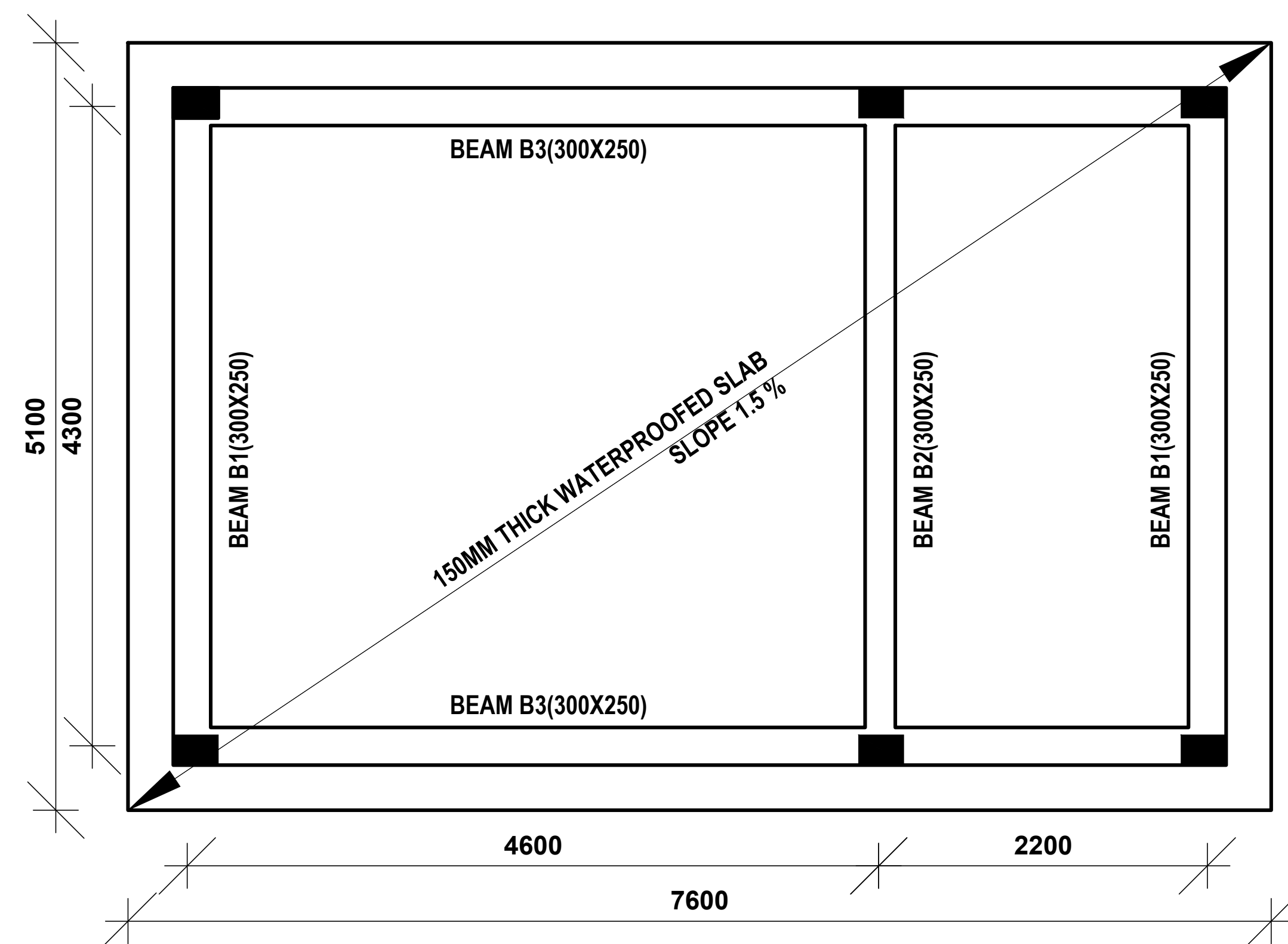


### NOTES

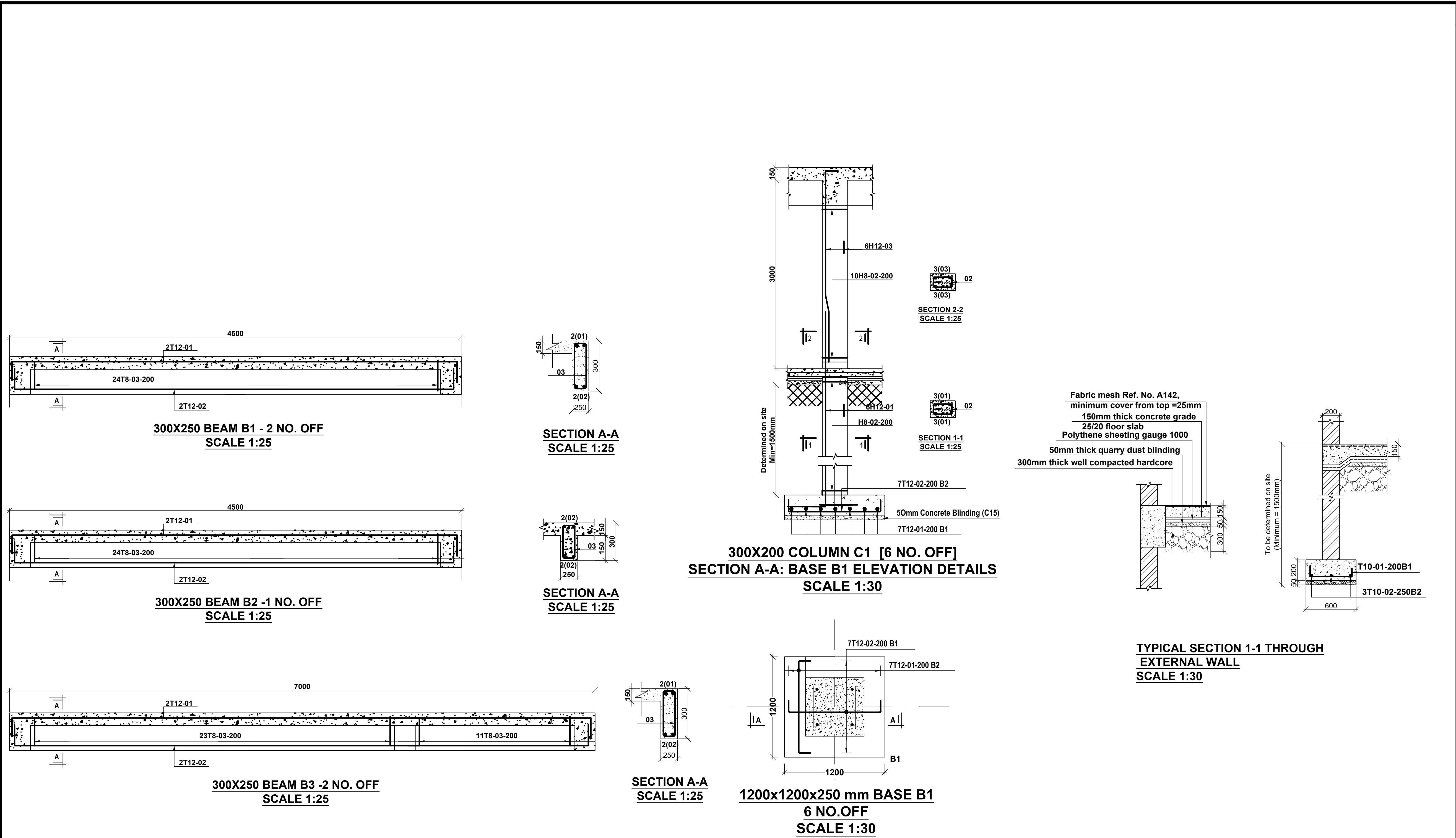
1. All dimensions are in millimeters, unless otherwise stated.
2. This drawing must not be scaled ,only figured dimensions should be used.
3. This drawing must be read in conjunction with relevant Architectural drawings.
4. Reinforced concrete for all structural elements to be grade C20/25 to BS EN 206-1:2002, except for the ground floor slab (grade C16/20), and roof slab (C25/30).
5. Cover to main reinforcement to be as follows:
  - (a) Foundation = 50mm
  - (b) Columns = 40mm
  - (c) Beams = 30mm
  - (d) Slabs = 25mm
6. "H" Denotes ribbed high yield bars to BS 4461 with a yield strength of 500N/mm<sup>2</sup> to BS 4449-2005.
7. Reinforcement in walls and columns must be inspected by the Engineer before being enclosed in formwork.
8. All masonry walls must be reinforced with 25mm hoop iron after every two alternate courses. The hoop iron must be extended through the column sections.
9. To ensure enhanced bonding between the masonry and the R.C. columns, the masonry walling must be raised first before the columns are cast.
10. All mortar used to be of cement sand mix 1:3, with all the stone walling being laid in 200mm courses with 12mm mortar joints.
11. A minimum of 7.0N/mm<sup>2</sup> average compressive strength of masonry in accordance with BS EN 771 and BS S268 should be used for all wall sections.
12. Mass concrete to be grade 12/15 to BS EN 206-1:2002.
13. Double masonry walls to be built one at a time. Waterproofing plaster shall be applied to the inside of the first wall to Engineer's approval before the second is built.


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<b>CONSTRUCTION DRAWINGS</b>			
<b>CONTROL ROOM BUILDING</b>			
<b>(7m x 4.5m)</b>			
<b>ARCHITECTURAL</b>			
<b>CRB - SHEET 001/025</b>			
<b>Drawn</b>	D. WAITHERA	<b>Scale(s)</b>	<b>AS INDICATED</b>
<b>Designed</b>	D. WAITHERA	<b>Date</b>	APRIL, 2025
<b>Checked</b>	ENG. D.M.WAMBUGU	<b>Date</b>	APRIL, 2025
<b>Approved</b>	ENG. D.M.WAMBUGU	<b>Date</b>	APRIL, 2025
<b>ISSUE DATE</b>		<b>APRIL, 2025</b>	
<b>JOB No.</b>			

[illegible]





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REVISIONS			
Date	Suffix	Descriptions	Issue
			
CONSTRUCTION DRAWINGS			
CONTROL ROOM BUILDING			
(7m x 4.5m)			
BEAM & COLUMN DETAILS			
CRB - SHEET 003/025			
Drawn	D.WAITHERA	Scale(s)	AS INDICATED
Designed	D.WAITHERA	Date	APRIL, 2025
Checked	ENG. D.M.WAMBUGU	Date	APRIL, 2025
Approved	ENG. D.M.WAMBUGU	Date	APRIL, 2025
ISSUE DATE		APRIL, 2025	
JOB No.			