

ECW. MYRP11 -SCHOOL CONSTRUCTION AND REHABILITATION WORKS

CLIENT



PROJECT

GIRLS FRIENDLY ROOM DETAILS

MAY 2026

PROJECT NUMBER:	CW.26.05.15.	REV
PROJECT STATUS:	DESIGN	

GENERAL NOTES FOR STRUCTURAL WORKS

I. GENERAL

1. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT G.A., M & E SERVICES, ARCHITECTURAL, EQUIPMENT SUPPLIER'S DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF ENGINEER BEFORE COMMENCING WORKS.

1.2 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

1.3 ALL CONTOURS AND LEVELS ARE IN METERS, UNLESS NOTED OTHERWISE.

1.4 ALL GRID ORDINATES ARE IN METERS.

1.5 ALL LEVELS INDICATED ARE FINISHED FLOOR LEVELS UNLESS NOTED OTHERWISE.

1.6 EL(+/-)0.00 CORRESPONDS TO EXISTING GROUND LEVEL.

1.7 IN THE EVENT THAT ANY OF THE NOTES GIVEN IN THIS DRAWING ARE IN CONFLICT WITH THE REQUIREMENTS OF THE TECHNICAL SPECIFICATION, THE SPECIFICATION SHALL TAKE PRECEDENCE. THE CONFLICTING NOTE SHOULD IN ANY CASE BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER.

1.8 FOR ANY SPECIALIZED CONSTRUCTION METHOD (E.G. SLIP-FORM) OR TEMPORARY WORKS (E.G. CRANE) PROPOSED BY THE CONTRACTOR, A DETAILED METHOD STATEMENT TOGETHER WITH THE SUPPORTING CALCULATIONS AND HEALTH AND SAFETY RISK ASSESSMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTATION OF SUCH WORKS.

2. FOUNDATION FORMATION LEVEL

2.1 FOUNDATION FORMATION LEVELS FOR ALL COLUMNS AND STRIP FOOTINGS TO THE APPROVAL OF THE SITE ENGINEER.

3. CONCRETE

3.1 CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE SITE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY CONCRETE WORKS.

3.2 BLINDING AND MASS CONCRETE SHALL BE GRADE C12/15 UNLESS NOTED OTHERWISE.

3.3 CONCRETE GRADE FOR ALL REINFORCED CONCRETE WORKS SHALL BE GRADE C20/25 UNLESS NOTED OTHERWISE.

PROPOSED USE	GRADE	PERMITTED TYPE OF AGGREGATE		MAX. SIZE AGGREGATE	WORKABILITY
REINFORCED CONC. (INCL. GROUND BEARING SLAB)	C 20/25	COURSE	FINE	20 mm	MEDIUM (75)
		EN 12620	EN 12620		
CONCRETE CONTAINING NO EMBEDDED METAL	C 20/25	EN 12620	EN 12620	20 mm	MEDIUM (75)
BLINDING CONCRETE	C 12/15	EN 12620	EN 12620	20 mm	MEDIUM (75)

4. REINFORCEMENT

4.1 ALL HIGH TENSILE (T) AND MILD STEEL (R) BARS TO BE IN ACCORDANCE WITH B.S. 4449 AND MESH FABRIC TO BE MADE FROM COLD WORKED STEEL BARS IN ACCORDANCE WITH B.S. 4483.

4.2 UNLESS OTHERWISE STATED ON THE DRAWINGS MINIMUM CLEAR CONCRETE COVER TO MAIN REINFORCEMENT (I.E EXCLUDES LINKS) TO BE 25MM: MAXIMUM TOLERANCE ON CONCRETE COVER TO BE +/- 5MM.

4.3 MINIMUM LAPS TO ALL BARS TO BE 50 X DIAMETER OF SMALLER BAR UNLESS OTHERWISE STATED.

4.4 WHEN REINFORCING STEEL IS NOTED AS CONTINUOUS IN BEAMS, SLABS AND/OR WALLS, OR WHEN ONLY A TYPICAL SECTION IS GIVEN, LAPS SHOULD ONLY BE USED WHEN THEY ARE UNAVOIDABLE DUE TO STOCK LENGTHS. IN THIS CASE ALL LAPS SHALL BE STAGGERED A MINIMUM OF 1200MM. THE TOP BAR SPLICES SHOULD BE LOCATED 'WITHIN THE MIDDLE HALF OF THE SPAN', AND THE BOTTOM BAR SPLICES SHOULD BE LOCATED AT 'SUPPORTS OR BETWEEN SUPPORTS & 1/3 SPAN POINT' UNLESS NOTED OTHERWISE ON THE DRAWINGS.

5. FINISHES

5.1 FINISHES TO STRUCTURAL ELEMENTS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS

5.2 ALL STRUCTURAL STEELWORK DELIVERED TO SITE SHALL BE PRIMED AND PAINTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, AND TO COLOUR SCHEMES APPROVED BY THE ARCHITECT.

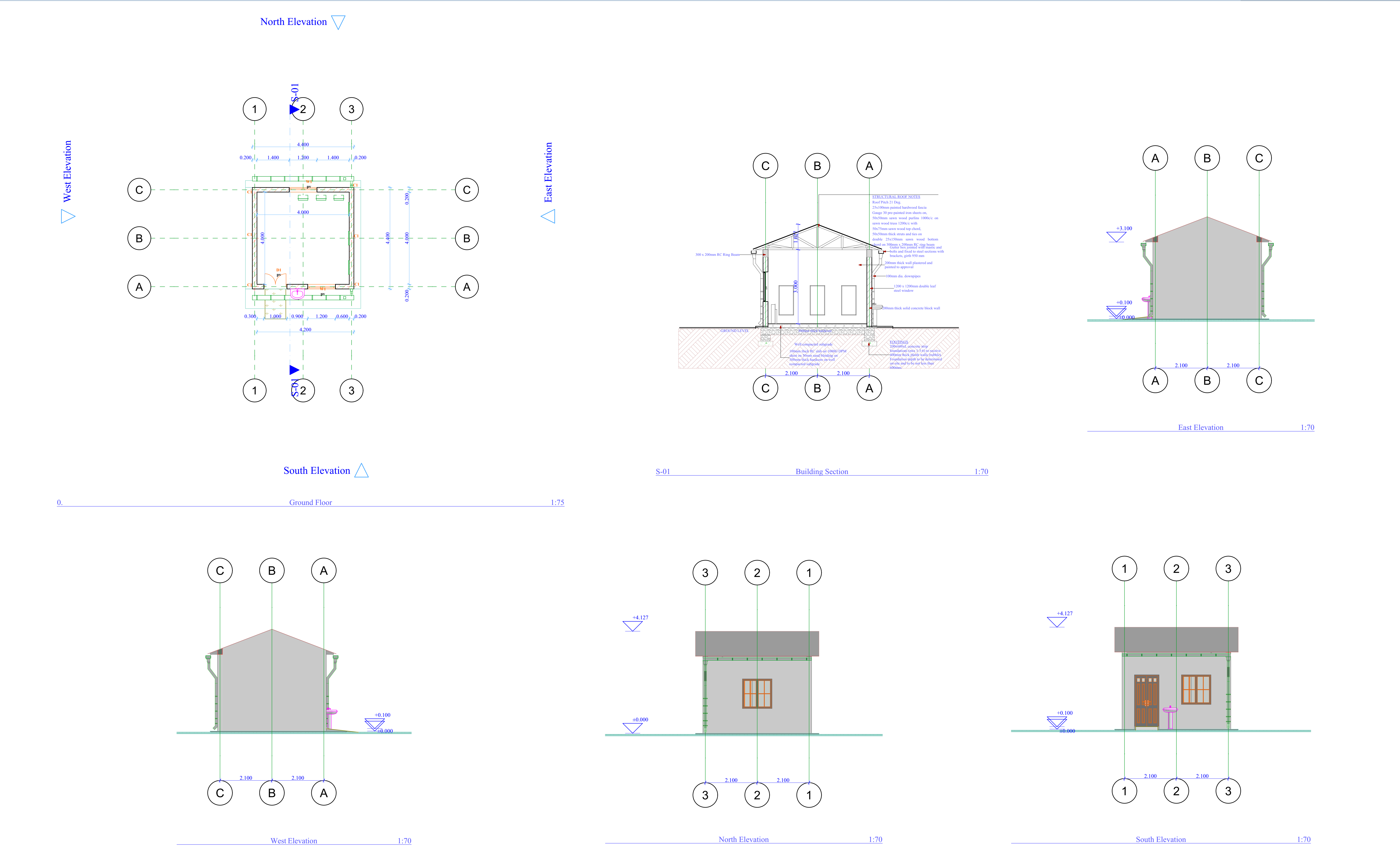
5.3 UNLESS SPECIFIED OTHERWISE, FINISHES FOR CONCRETE SLABS (INCLUDING ROOF SLABS), TERRACES, CANOPY AND GUTTERS EXPOSED TO RAIN SHALL BE EXECUTED AS FOLLOWS AS A MINIMUM: - MINIMUM 12MM THICK CEMENT SCREED LAID TO FALLS. - WATERPROOFED WITH VANDEX WATER PROOFING AGENT OR SIMILAR APPROVED WHICH SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. THE CONTRACTOR SHALL PROVIDE A WARRANTY OF MINIMUM 10 YEARS AGAINST LEAKAGE FOR WATERPROOFING SO APPLIED.


6. FINISHES

6.1 CONTRACTION JOINTS SHALL HAVE 10MM WIDE X 20MM DEEP GROOVES FILLED WITH MASTIC SEALANT AND WITH M12X400MM LONG DOWELS ACROSS THE JOINT AT 300 C/C, WITH ONE END DEBONDED.

6.2 WALL FINISHES TO BE PLASTER AND PAINT

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Front view 5

1:2.22



Side view 5a

1:2.22




Backview 5

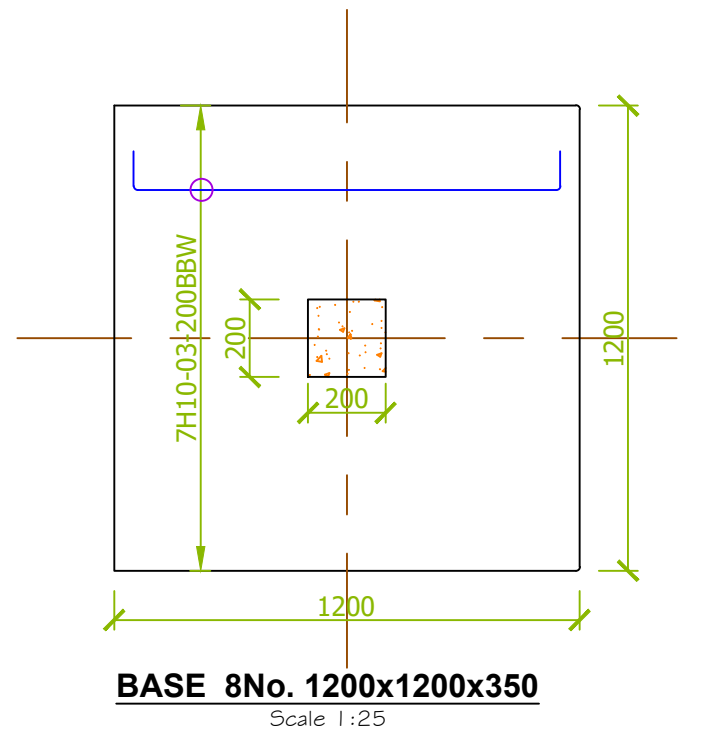
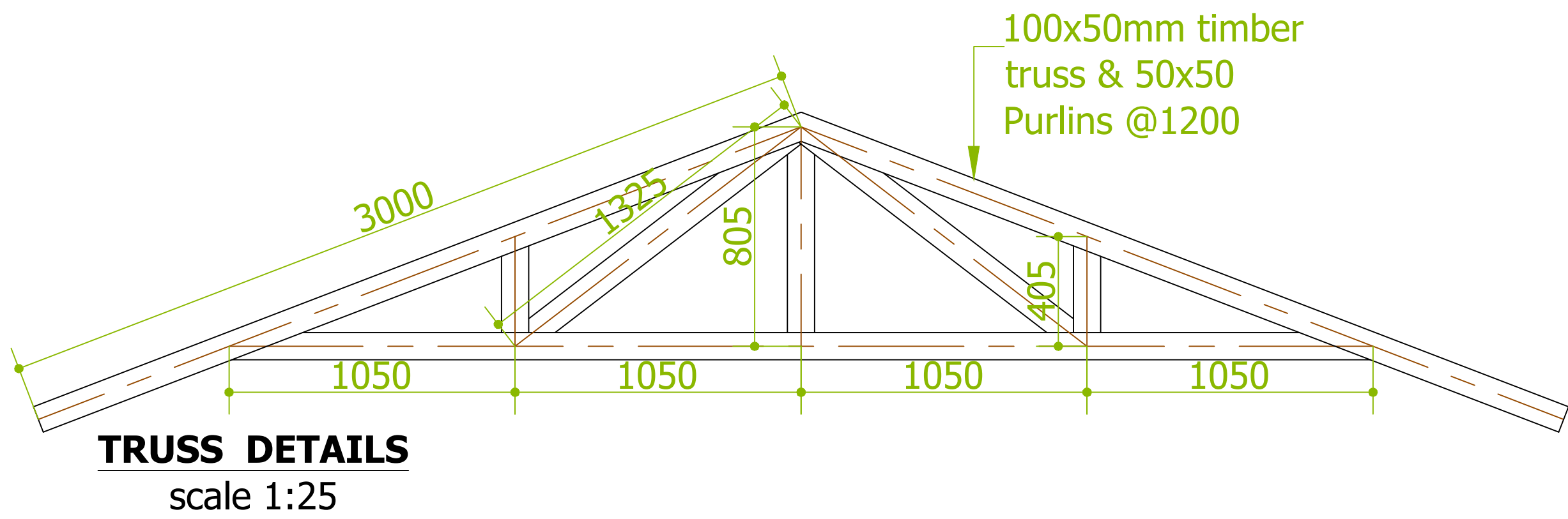
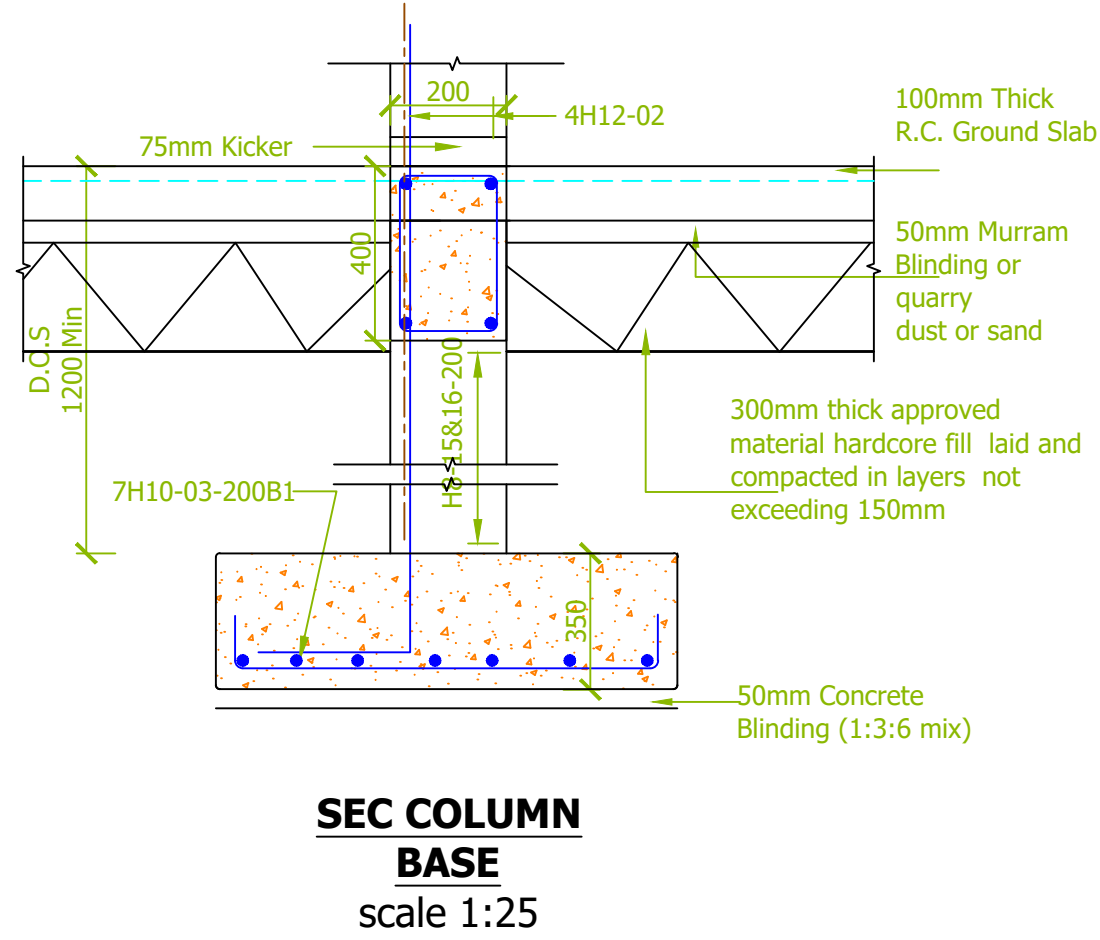
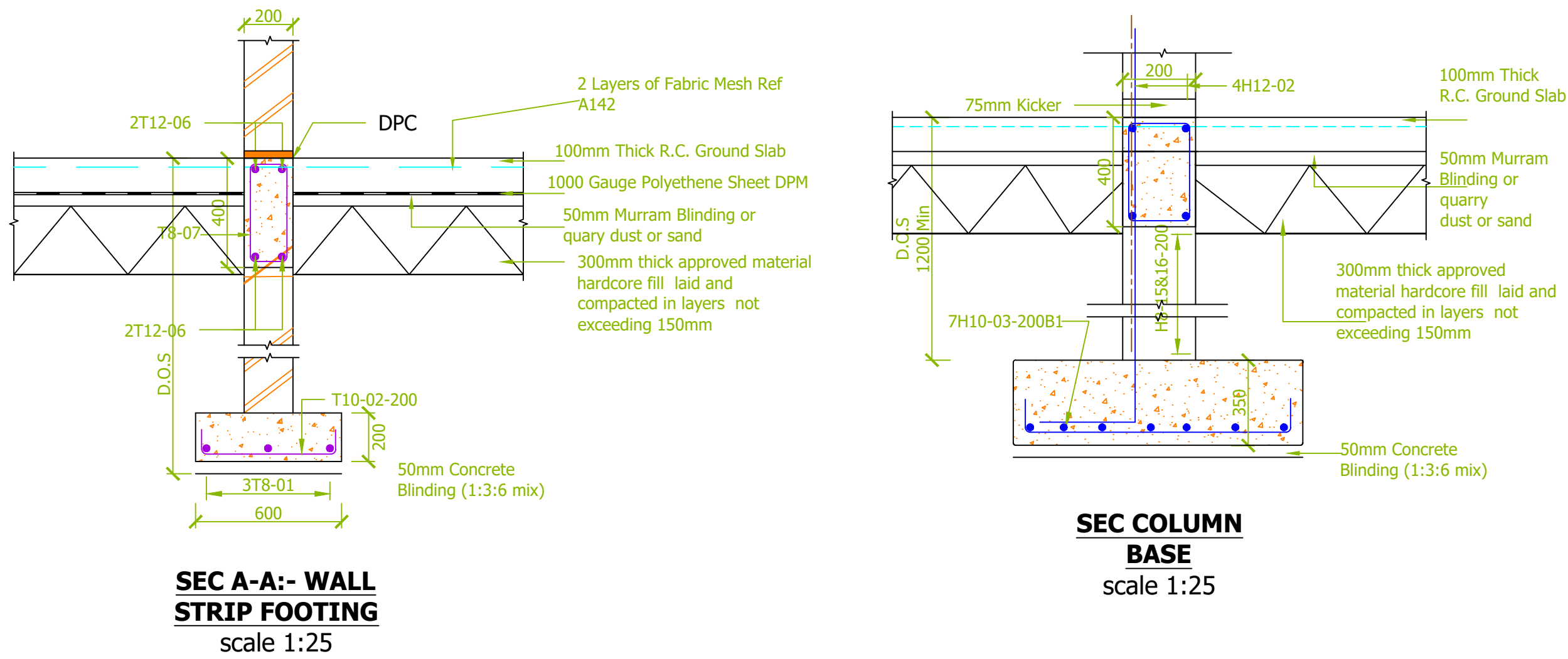
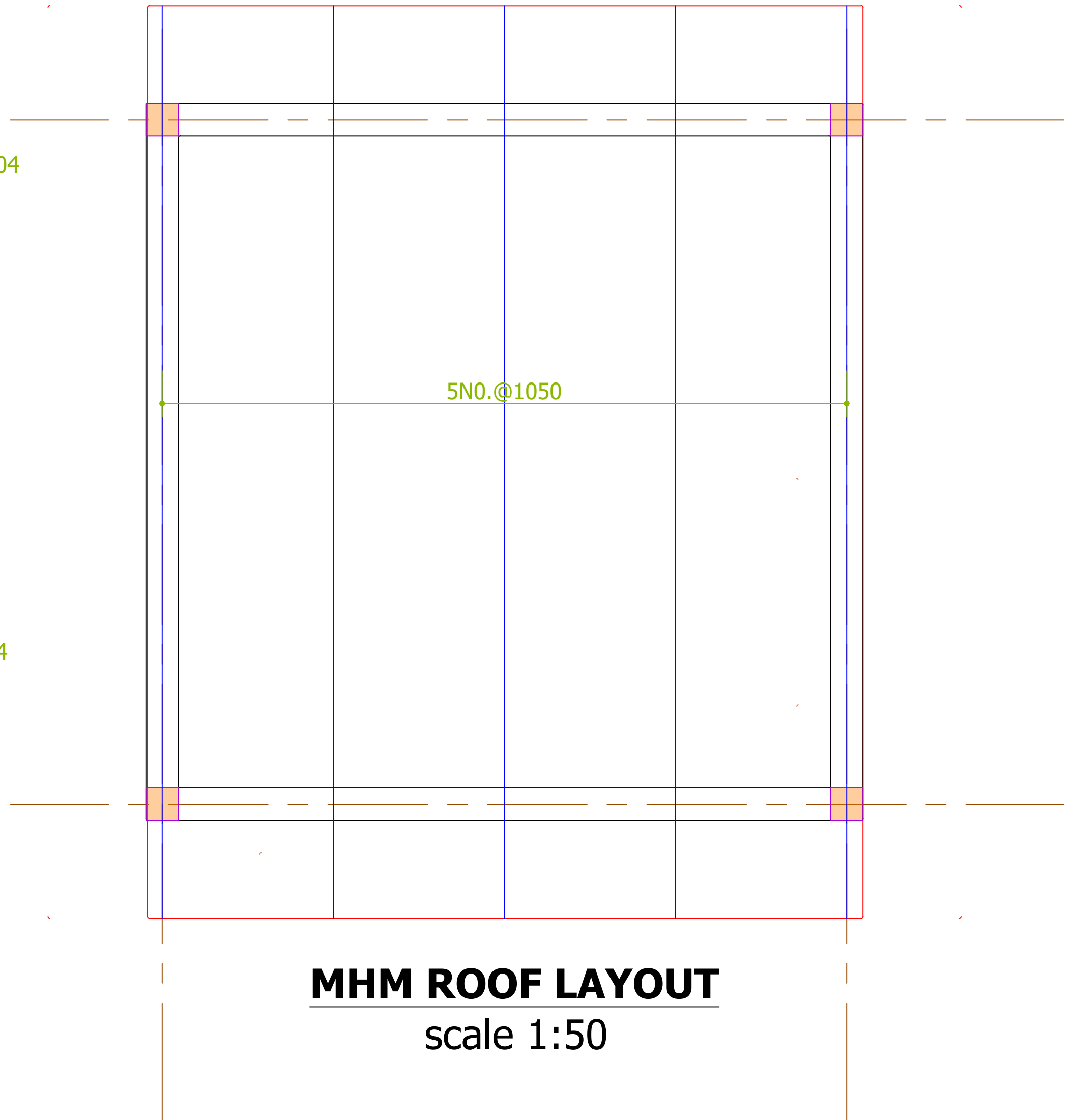
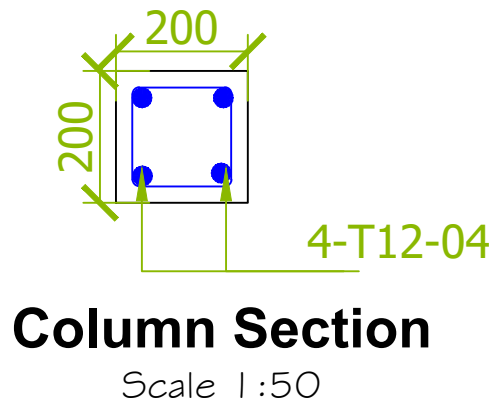
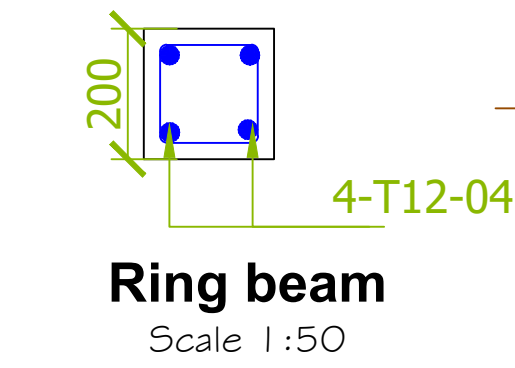
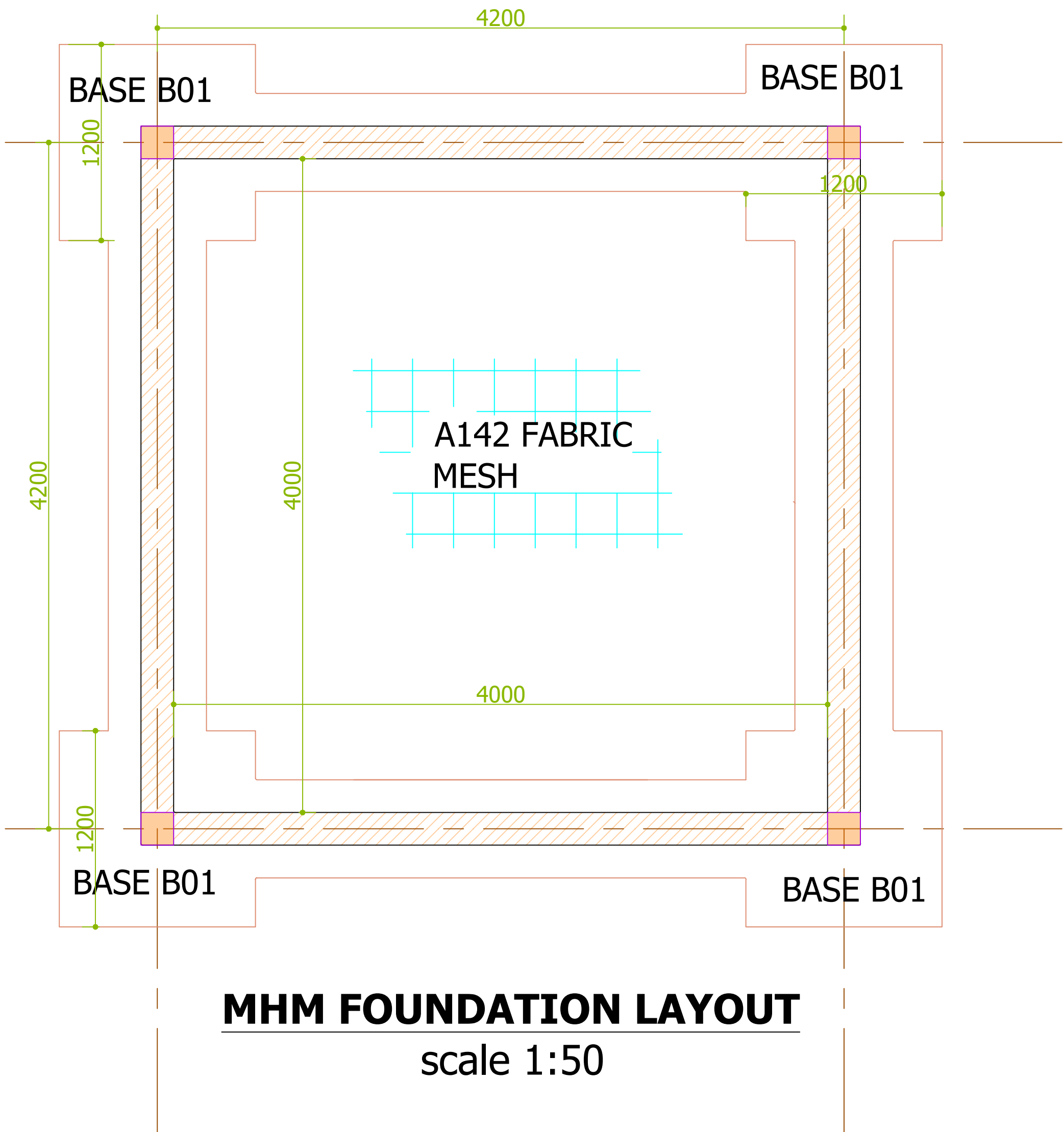
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Side view 5b

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5. Minimum cover to all reinforcement to be 25mm.
6. Design done as per the British Standard Codes.
7. All reinforcement steel to be in accordance with BS 4449 and fabric mesh to be made from cold worked steel bars in accordance with BS 4443.
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CONCERN worldwide

CONSULTANTS
YUSUF MOHAMED

DRAWING TITLE:
GIRLS FRIENDLY ROOM STRUCTURAL DETAILS
DRAWING No: S01

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