

# STRUCTURAL DRAWINGS FOR

## PROPOSED VERTICAL, TOILETS AND KITCHEN EXTENSION

Owner - ANIM DRATSHANG  
Thram No. - 303  
Location - HONGTSHO, THIMPHU

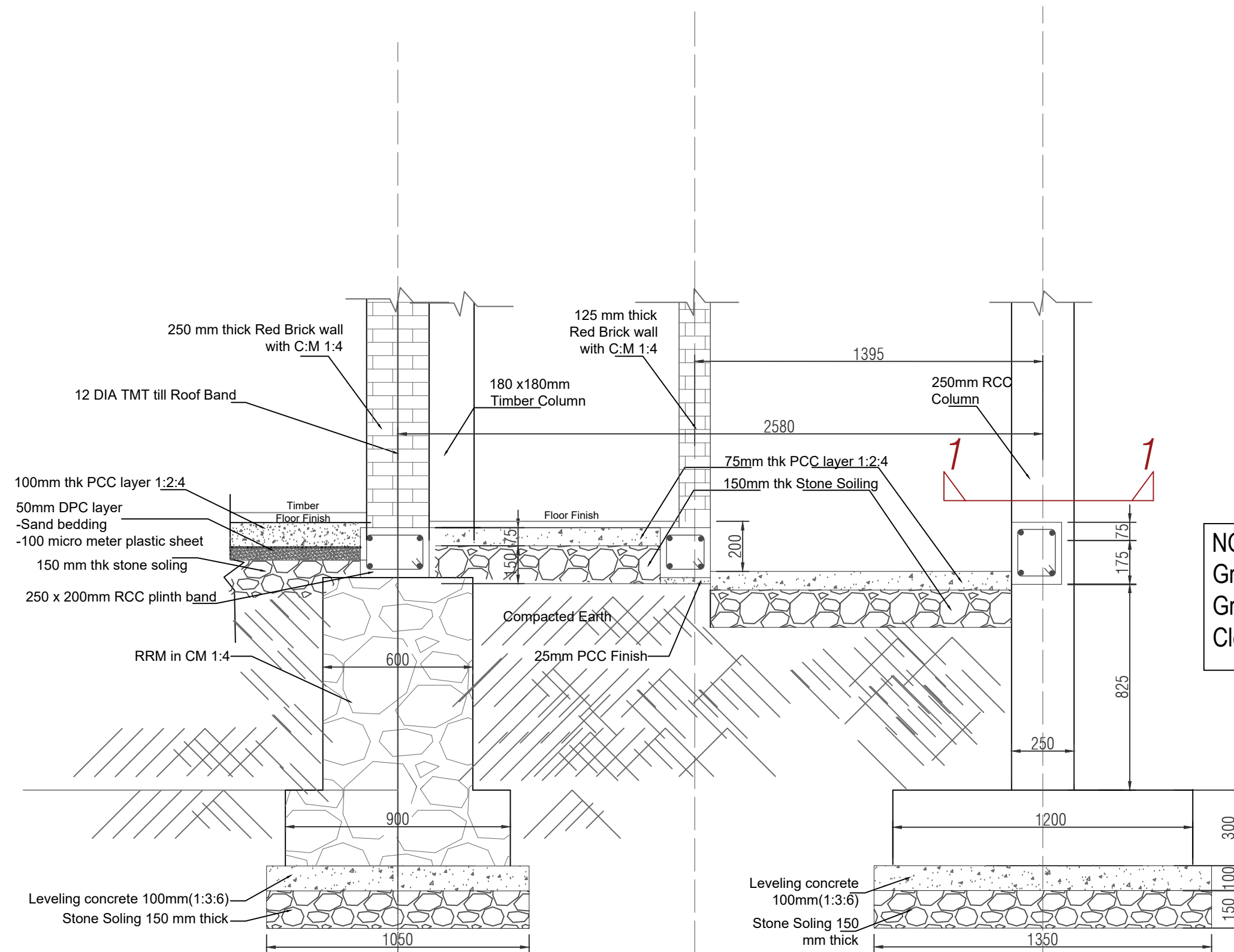
## GENERAL STRUCTURAL DESIGN NOTES

1. All dimension are in inch and mm unless otherwise mentioned
2. Structural drawing shall be read in conjunction with the Architectural drawing
3. Code of practice referred
  - IS 11096-1984, Code of practice for design and construction of bolt jointed timber construction
  - IS 1363-2002, Hexagon head bolt, screw and nuts of product grade C
  - IS 4326-1993, Earthquake resistant design and construction of Building - Code of practice
4. Parameters assumed during the design
  - Bearing capacity of soil 150KN/Sq.m
  - Grade of concrete - M20
  - Live Load on floor - 2KN/Sq.m
  - Live Load on roof- .50KN/Sq.m
5. Check all dimensions before commencing work
6. Additional information given on the drawing in the form of notes shall always be referred
7. Refer any discrepancy to the engineer before proceeding with the work
8. No duct/conduit shall pass through Bands

This drawing set consists of 8 sheets including this sheet

REVISION NOTES.	SIGN	NOTES:	OWNER	ENGINEER	PROJECT TITLE:				DRAWING NO.
		<ul style="list-style-type: none"> <li>• ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.</li> <li>• WRITTEN DIMENSIONS TO BE READ AND NOT TO BE SCALED.</li> <li>• ALL FOUNDATION, BEAM , COLUMNS, SLABS, STAIRCASE TO BE CONSTRUCTED WITH M20(1:1.5:3) CONCRETE AND FE500 STEEL.</li> <li>• ALL DRGS. TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRGS.</li> <li>• ANY DISCREPANCY IN THE DRAWING IS TO BE BROUGHT TO THE IMMEDIATE NOTICE OF THE ENGINEER /SUPERVISION TEAM.</li> </ul>	<i>Name - Anim Dratshang</i> <i>Plot No. -</i> <i>Thram No. - 303</i> <i>Location - Hongtsho, Thimphu</i>	SAGAR TIRWA	Proposed Vertical, Toilet & Kitchen extension				STR-01
					DRAWING TITLE: Structure Note				REVISION NO.
					DRAWN BY: Sagar Tirwa	CHECKED BY: _____	DATE: MAY, 2022	SCALE: NTS	_____



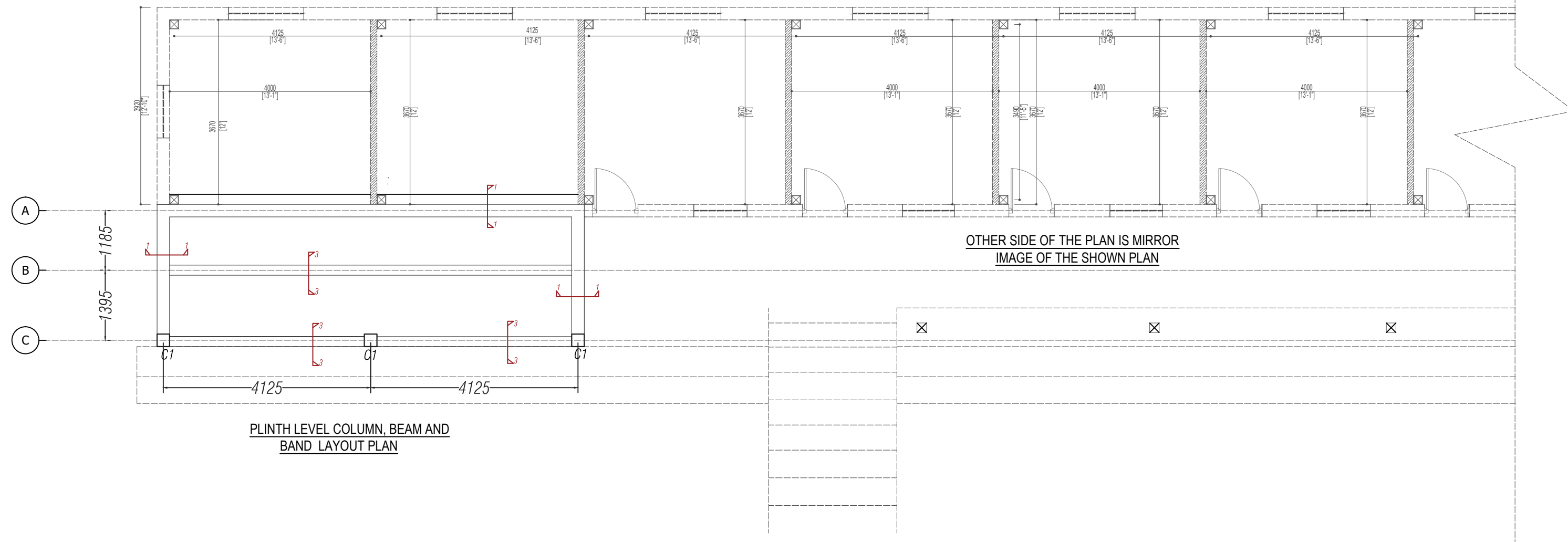


**NOTES:**  
 Grade of Steel - TMT500 bars  
 Grade of Concrete - M20(1:1.5:3)  
 Clear cover to steel - 25mm (minimum)

**Details (Section A-A)**

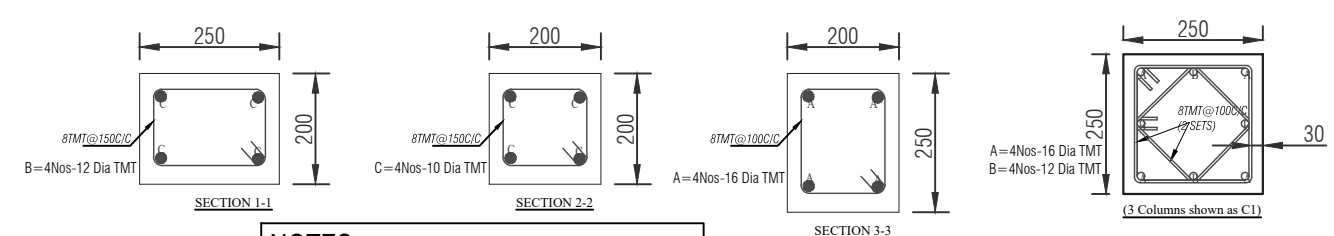
FOOTING SCHEDULE					
Footing Type	Numbers	Size (X x Y)	D	RFT BAR IN Bottom (Bothways)	RFT BAR IN Top (Bothways)
F1	3	1200 x 1200	350	12Ø@ 150 c/c	12Ø@ 190c/c

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			Name - Anim Dratshang Plot No. -- Thram No. - 303 Location - Hongtsho, Thimphu	SAGAR TIRWA	DRAWING TITLE: Foundation Section Details	DRAWN BY: Sagar Tirwa	CHECKED BY: _____	DATE: MAY, 2022



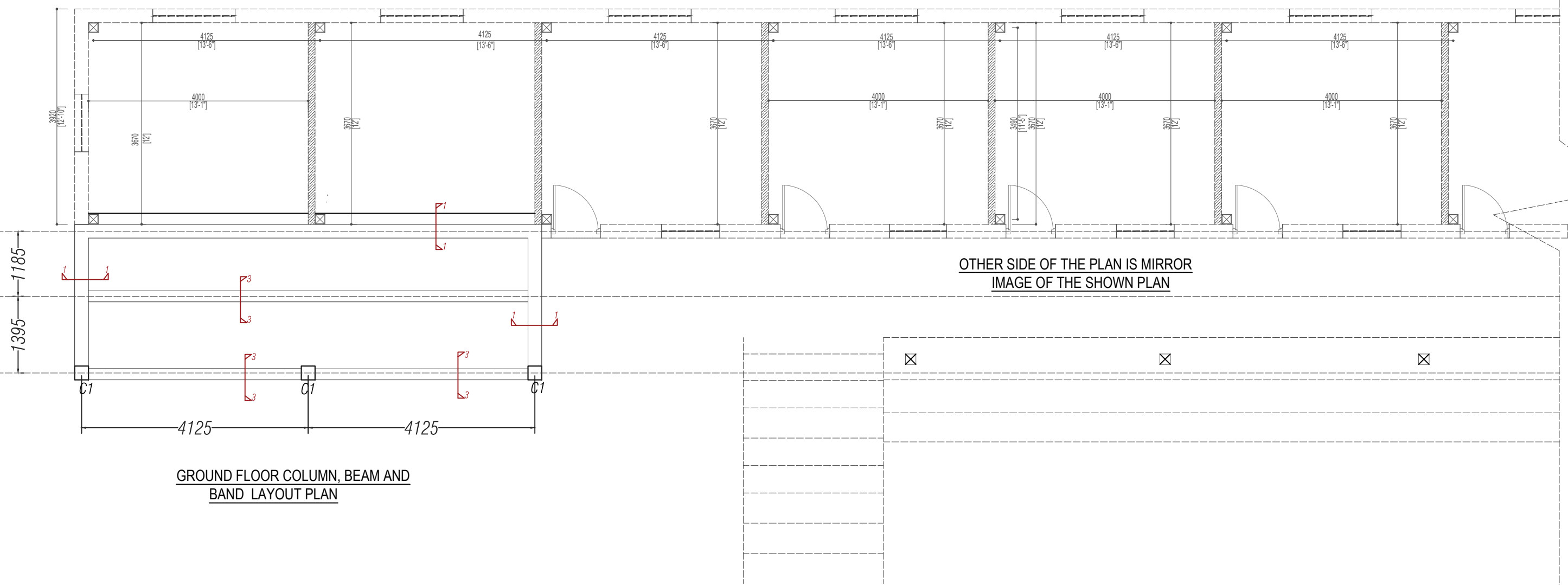
PLINTH LEVEL COLUMN, BEAM AND BAND LAYOUT PLAN

OTHER SIDE OF THE PLAN IS MIRROR IMAGE OF THE SHOWN PLAN

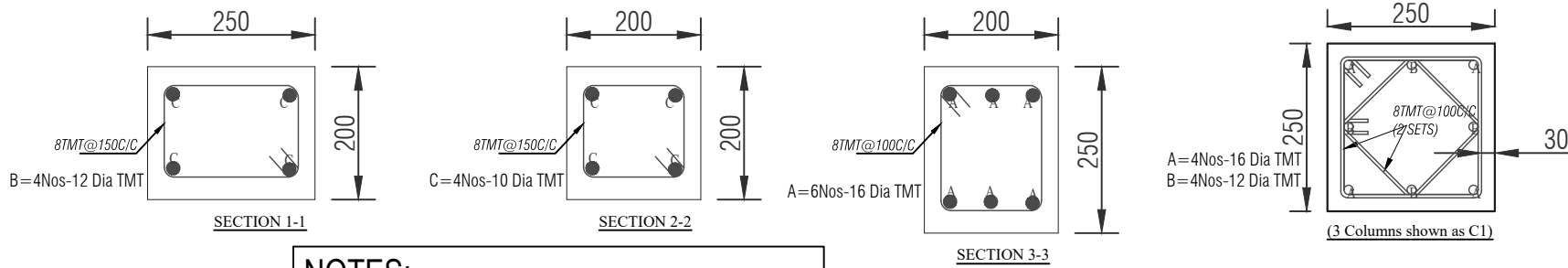


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					DRAWING TITLE: Ground floor joist with connection details			
					DRAWN BY: Sagar Tirwa	CHECKED BY: ---	DATE: MAY, 2022	SCALE: NTS

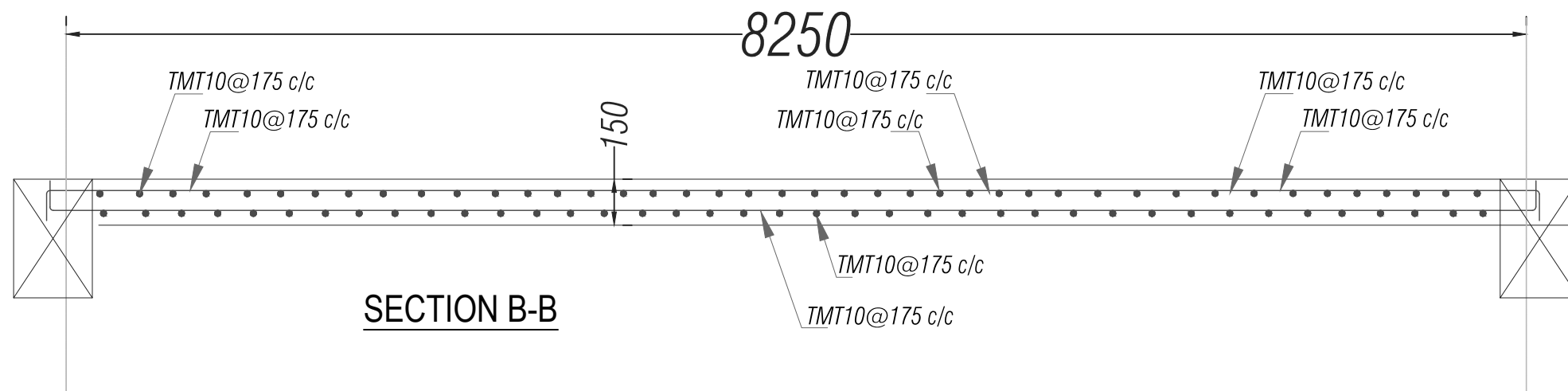
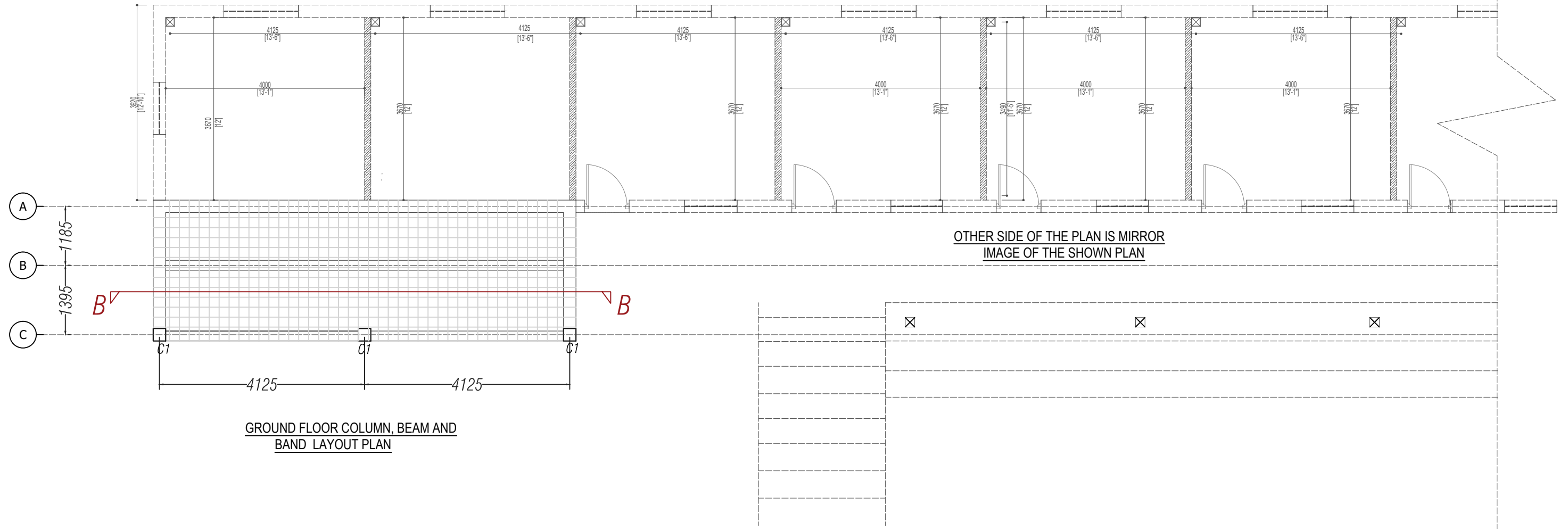


**GROUND FLOOR COLUMN, BEAM AND BAND LAYOUT PLAN**

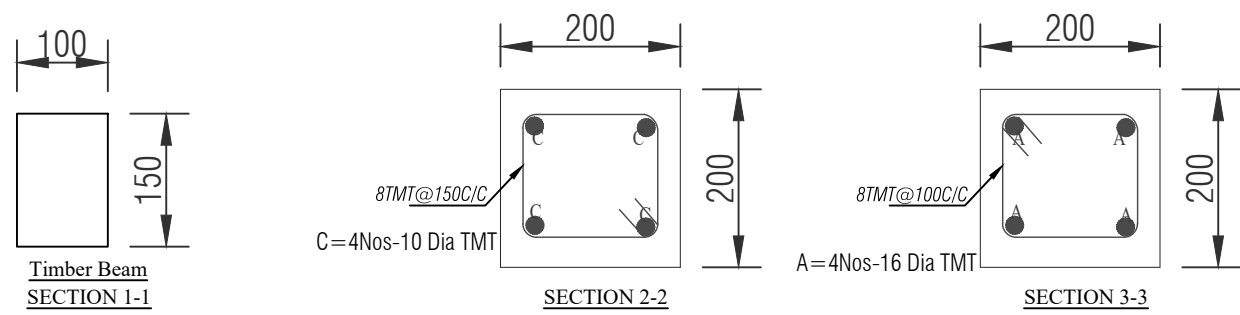
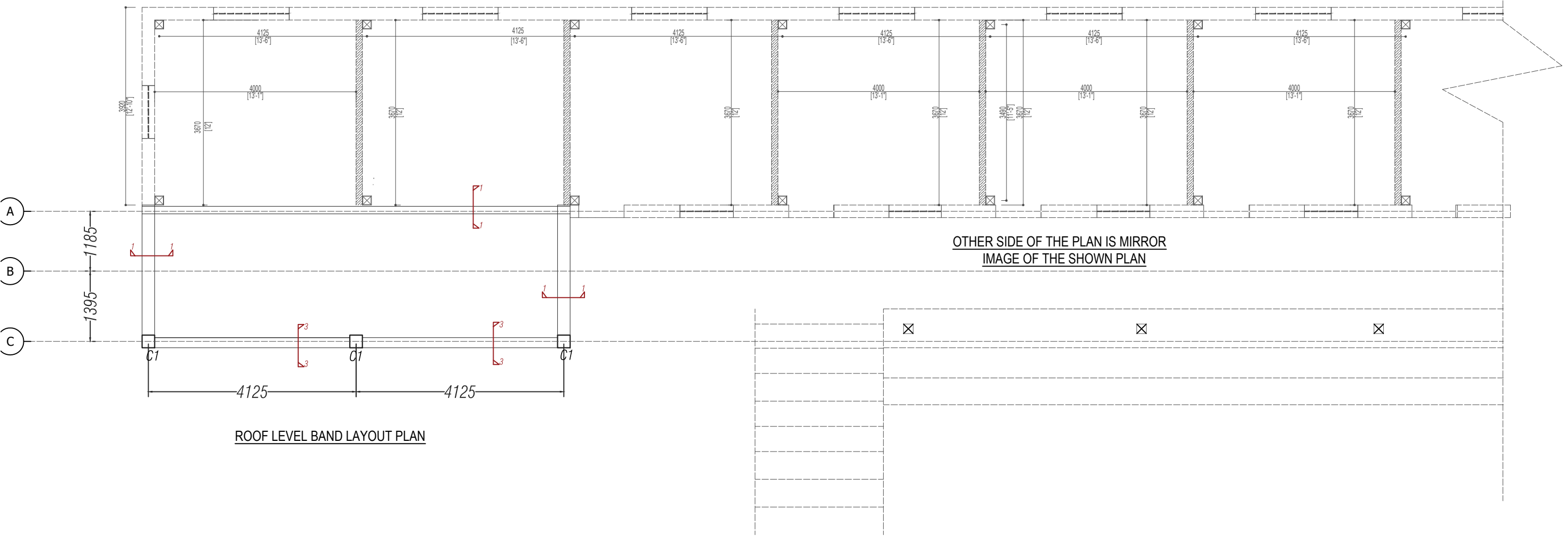


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				SAGAR TIRWA	DRAWING TITLE: As mentioned above			REVISION NO. ---
				CHECKED BY: ---	DATE: MAY, 2022	SCALE: NTS		

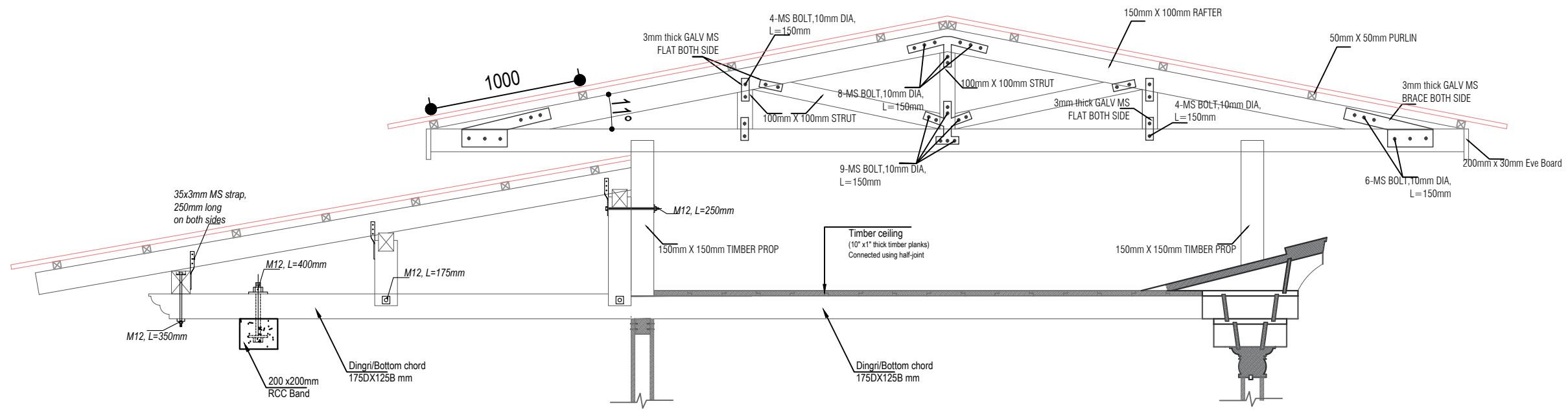
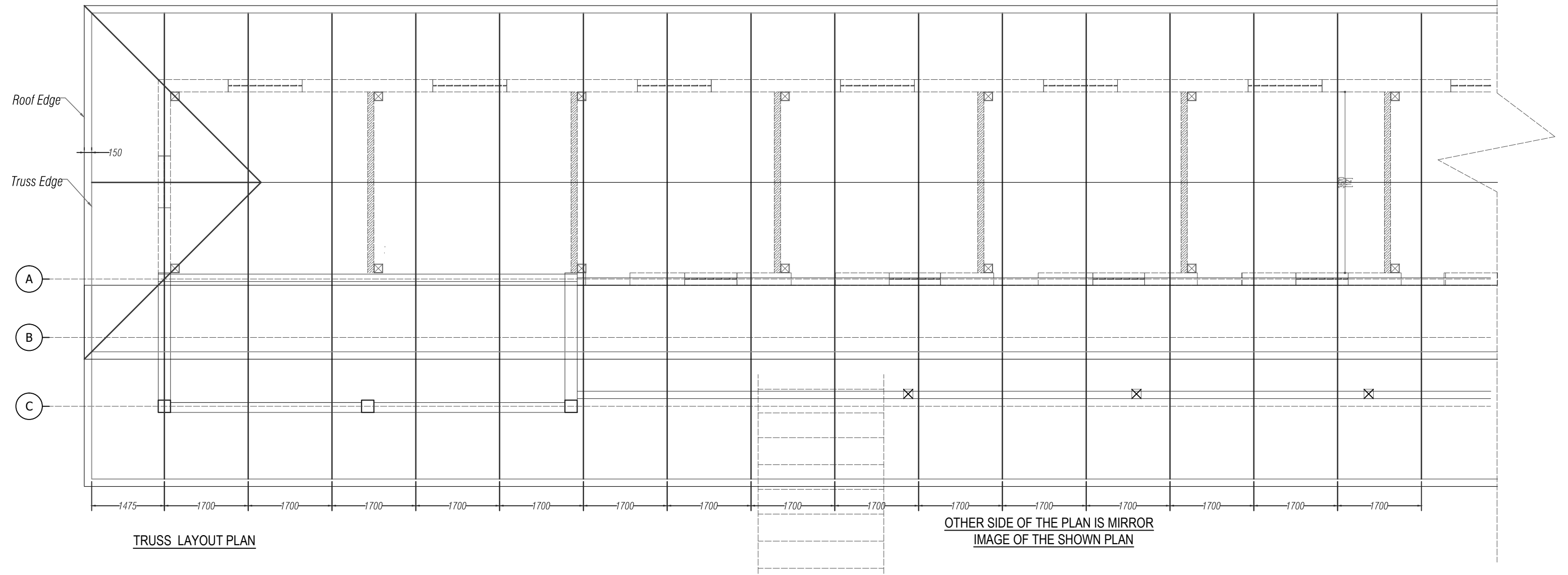


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			Name - Anim Dratshang Plot No. -- Thram No. - 303 Location - Hongtsho, Thimphu		ENGINEER SAGAR TIRWA		DRAWING TITLE: Connection Details	
					DRAWN BY: Sagar Tirwa	CHECKED BY: _____	DATE: MAY, 2022	SCALE: NTS



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					DRAWING TITLE: Post Connection details			REVISION NO.
					DRAWN BY: Sagar Tirwa	CHECKED BY: _____	DATE: MAY, 2022	SCALE: NTS



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				SAGAR TIRWA	DRAWING TITLE: As mentioned above			
				DRAWN BY: Sagar Tirwa	CHECKED BY:	DATE: MAY, 2022	SCALE: NTS	