

STRUCTURAL DRAWING

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PROPOSED RESIDENTIAL DEVELOPMENT
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PLOT 432 CADASTRAL ZONE B04 JABI DISTRICT
ABUJA FCT

JOB		DRG. NO.		SHEET 1 OF 12	
20118005		001-001			
DRG. TITLE					
PLAN					
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DATE		DESIGNED	R.SULE		
		DRAWN	R.SULE		

CLIENT: LABARAN AMMANI

1.Design is to BS 8110: 1997.

2. Concrete grades are to be as follows with figures in bracket denoting maximum size aggregate:

-Foundation 30(25)
-Columns 25(20)
-Beams & Slabs 25(20)

3. Unless otherwise indicated, reinforcement shall be high yield steel(type 2), denoted by 'Y', having characteristic strenght not less than 410N/mm²

4. Cover to reinforcement shall be the following:

Foundation:50mm(bottom) 75mm(sides)

Beams: 25mm

Slabs: 20mm

Columns: 30mm

5. laping of reinforcement shall be the following:

20mm diameter steel:700mm lapping

16mm diameter steel: 600mm lapping

12mm diameter steel: 500mm lapping

6. Drawings must be read in conjunction with the relevant architectural drawings and in case of any discrepancy refer to the design engineer for clarification.

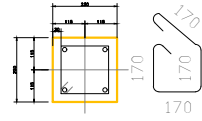
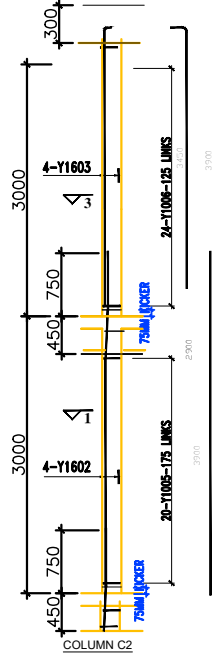
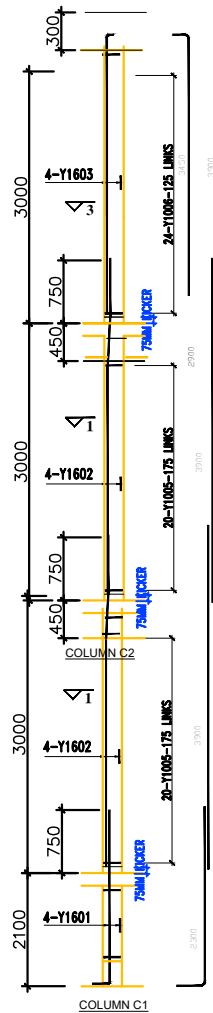
7. Dimensions are in millimetre(mm) and must not be scaled at any time.

8. Foundation designed for an allowable soil bearing pressure of 150KN/m².

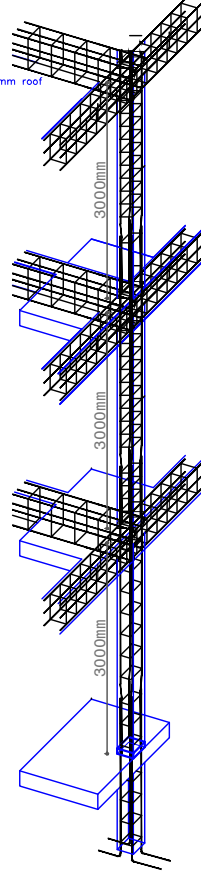
9. Concrete Mix Ratio for C25/C30 Shall be 1:2:4 with water cement ratio of 0.5.

10. Steel reinforcement should be read to bar bending schedule provided by resident site engineer and if any changes in dimension, refer to design engineer .

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	2 written dimensions to be taken in preference	@		SHEET 1 OF 12		
	3 dimensions are taken to grid lines and structural surfaces, not to finished surfaces	PLOT 432 CADASTRAL ZONE B04 JABI DISTRICT		DRG. TITLE PLAN		
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225mmx350mm roof beams Y16



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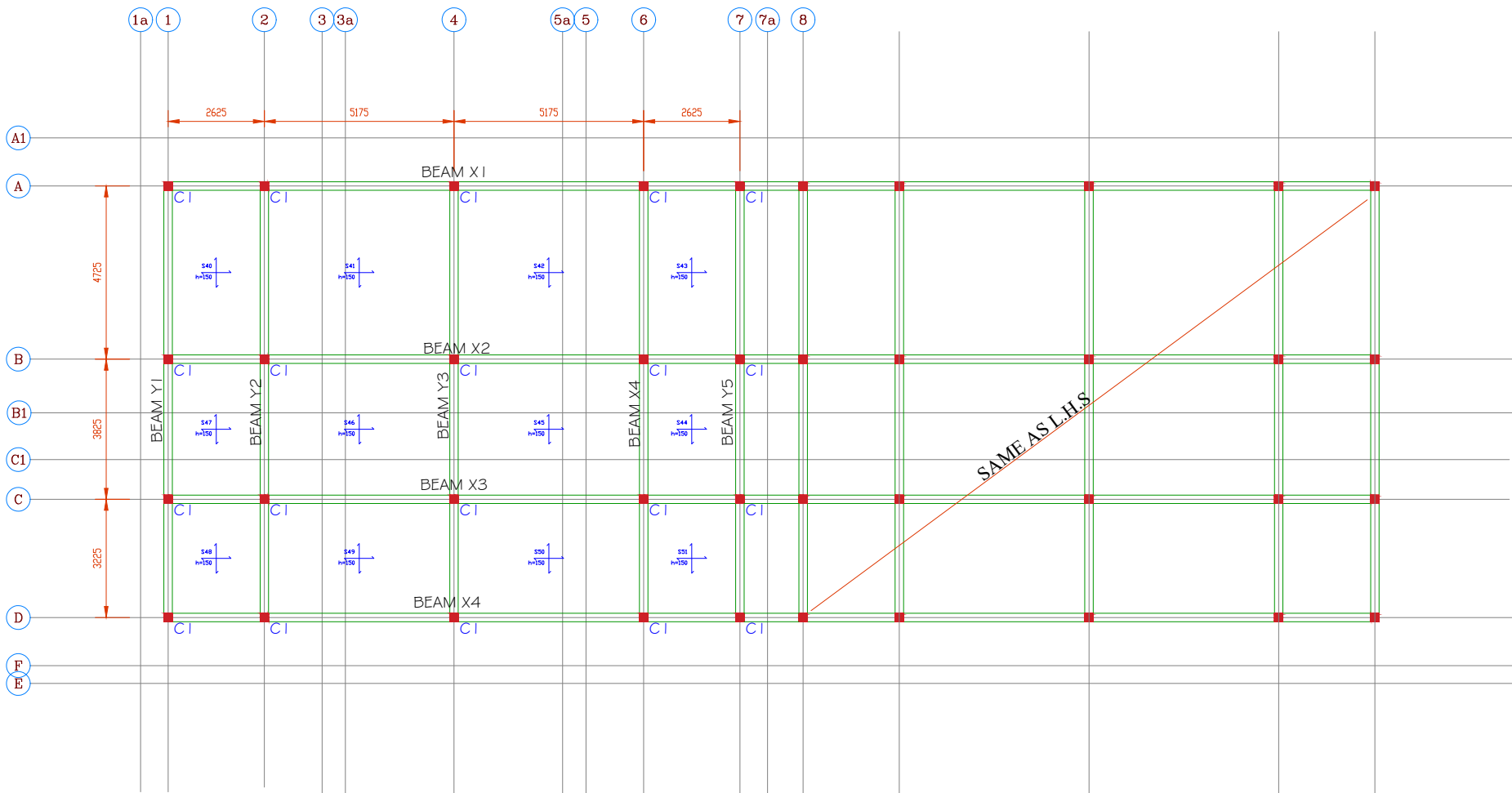
FOR 2018005

DRG. NO. 001-005 SHEET 1 OF 12

CLIENT: LABARAN AMMANI

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RAFT SLAB AND BEAM LAYOUT

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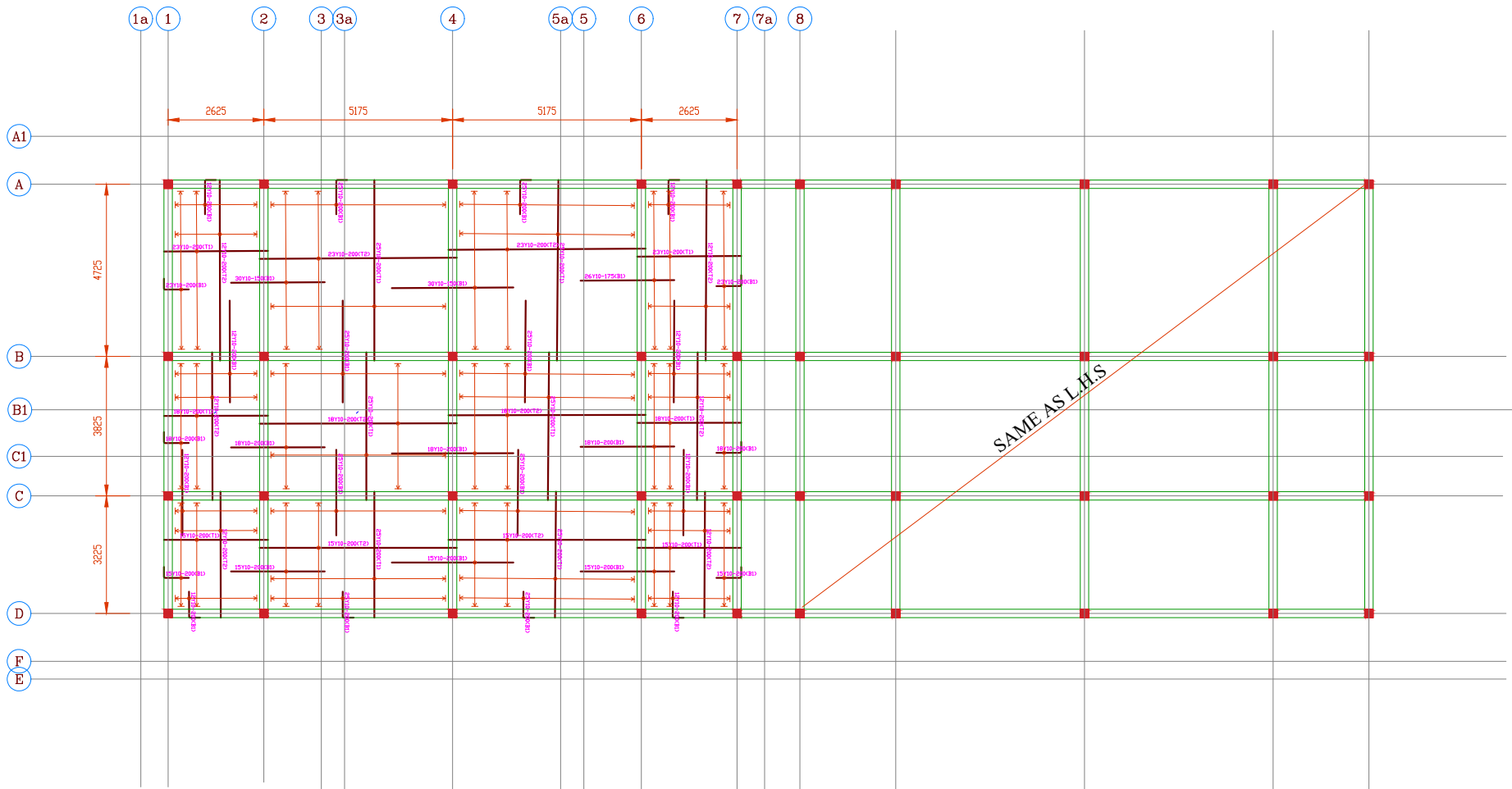
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DRG. NO. 001-003 SHEET 1 OF 12

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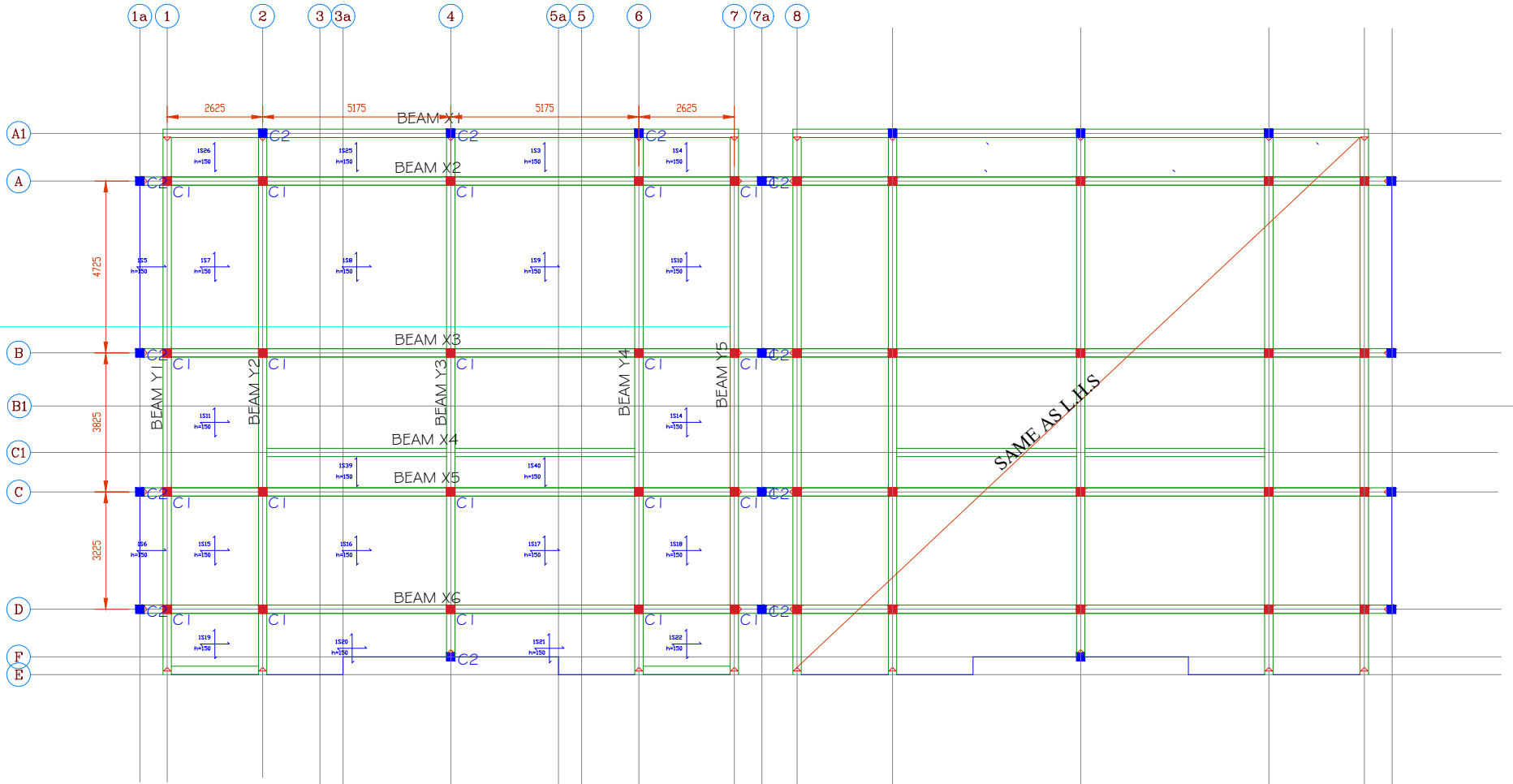


RAFT SLAB REINFORCEMENT DETAILS

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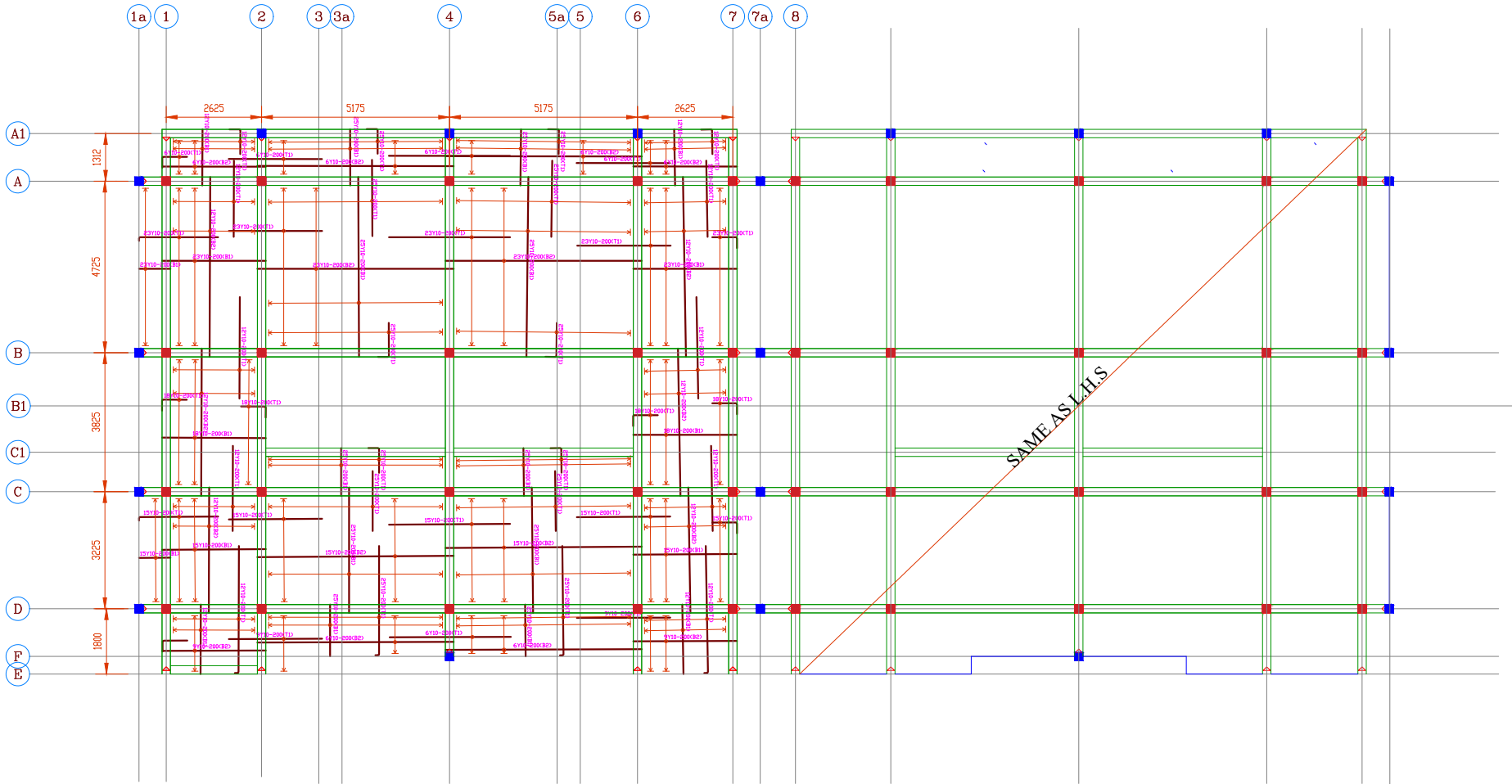


FIRST FLOOR SLAB AND BEAM LAYOUT

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FIRST FLOOR SLAB REINFORCEMENT

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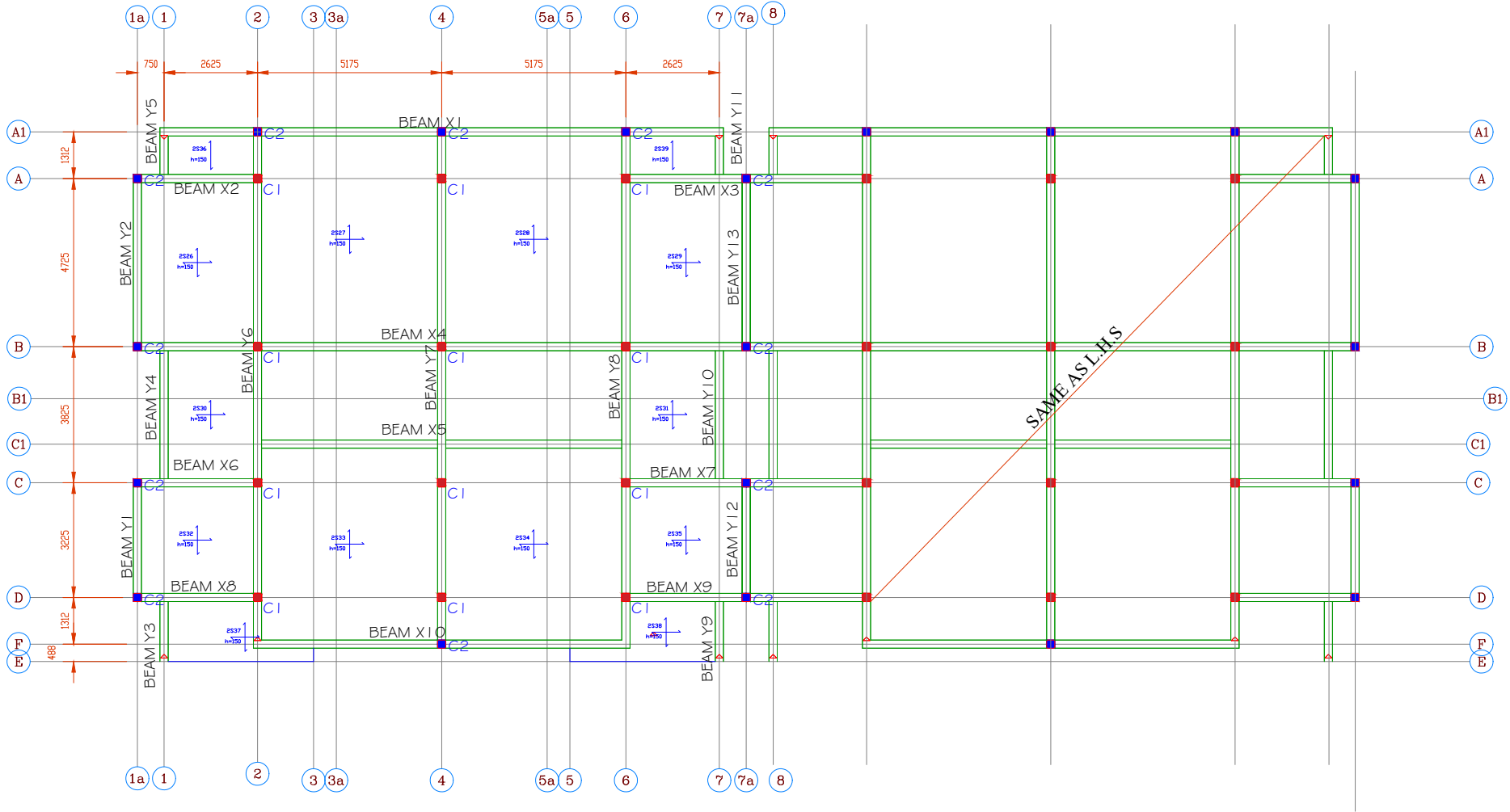
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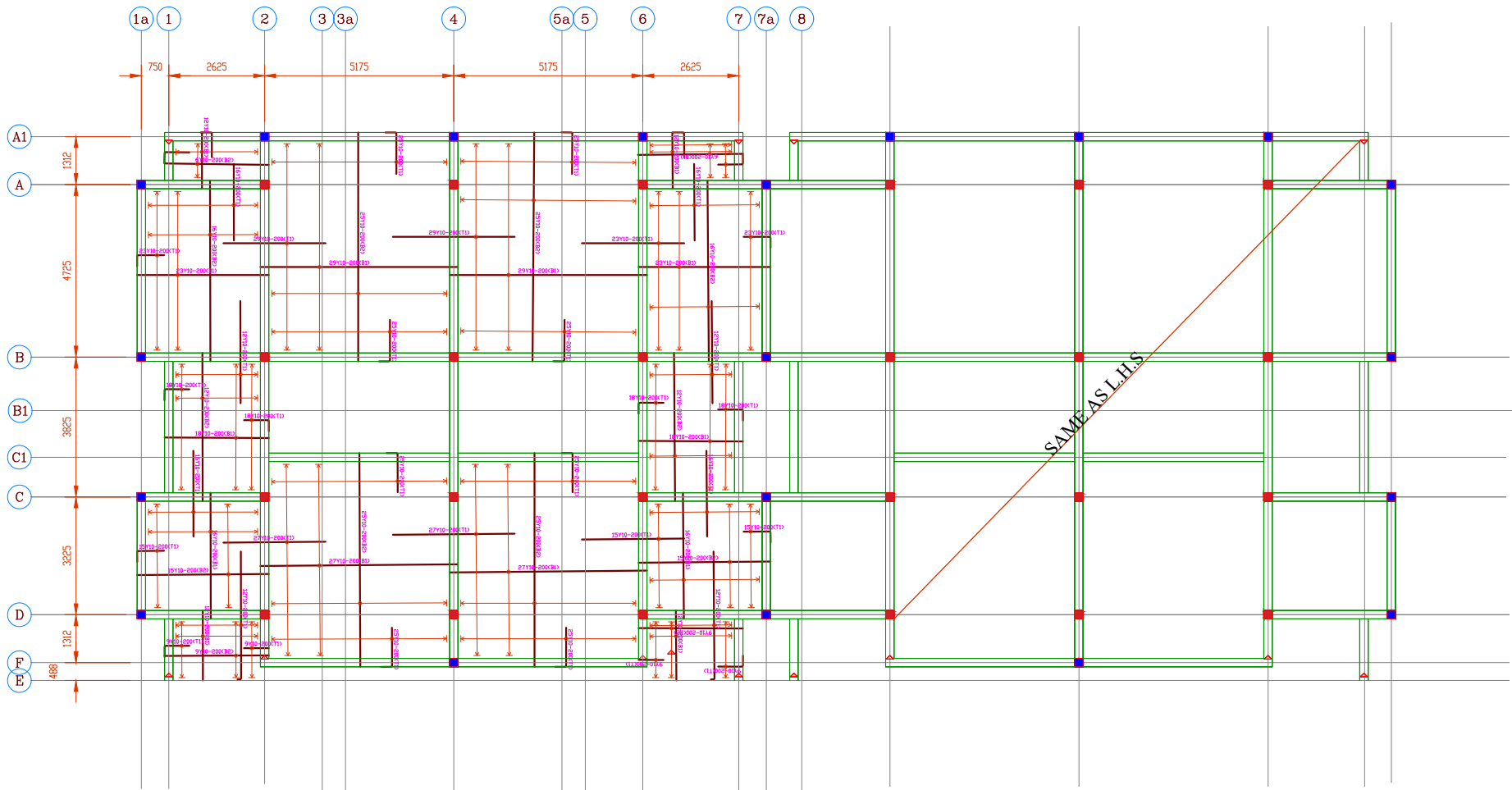


2ND FLOOR SLAB AND BEAM LAYOUT

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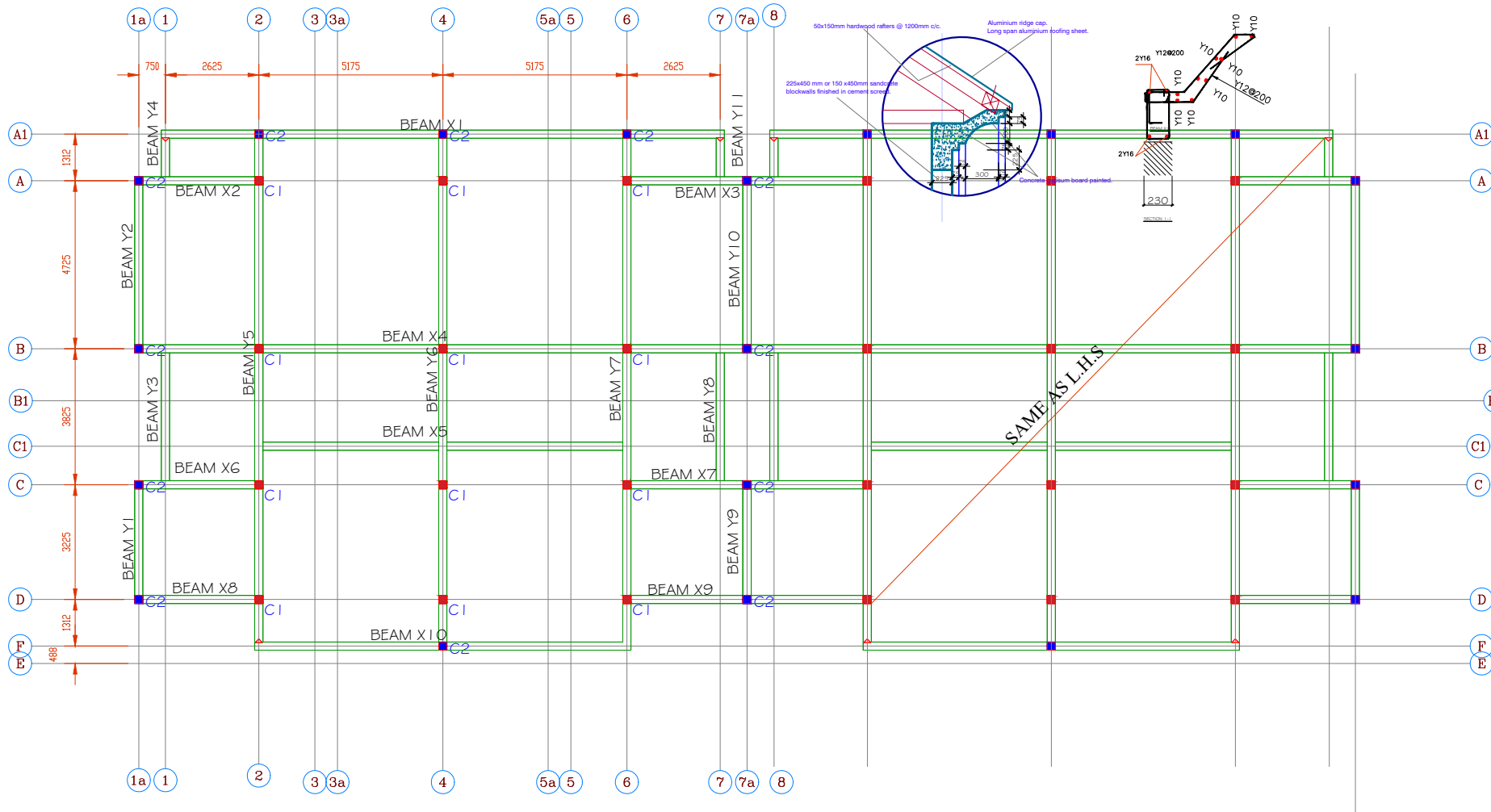
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ROOF BEAM LAYOUT

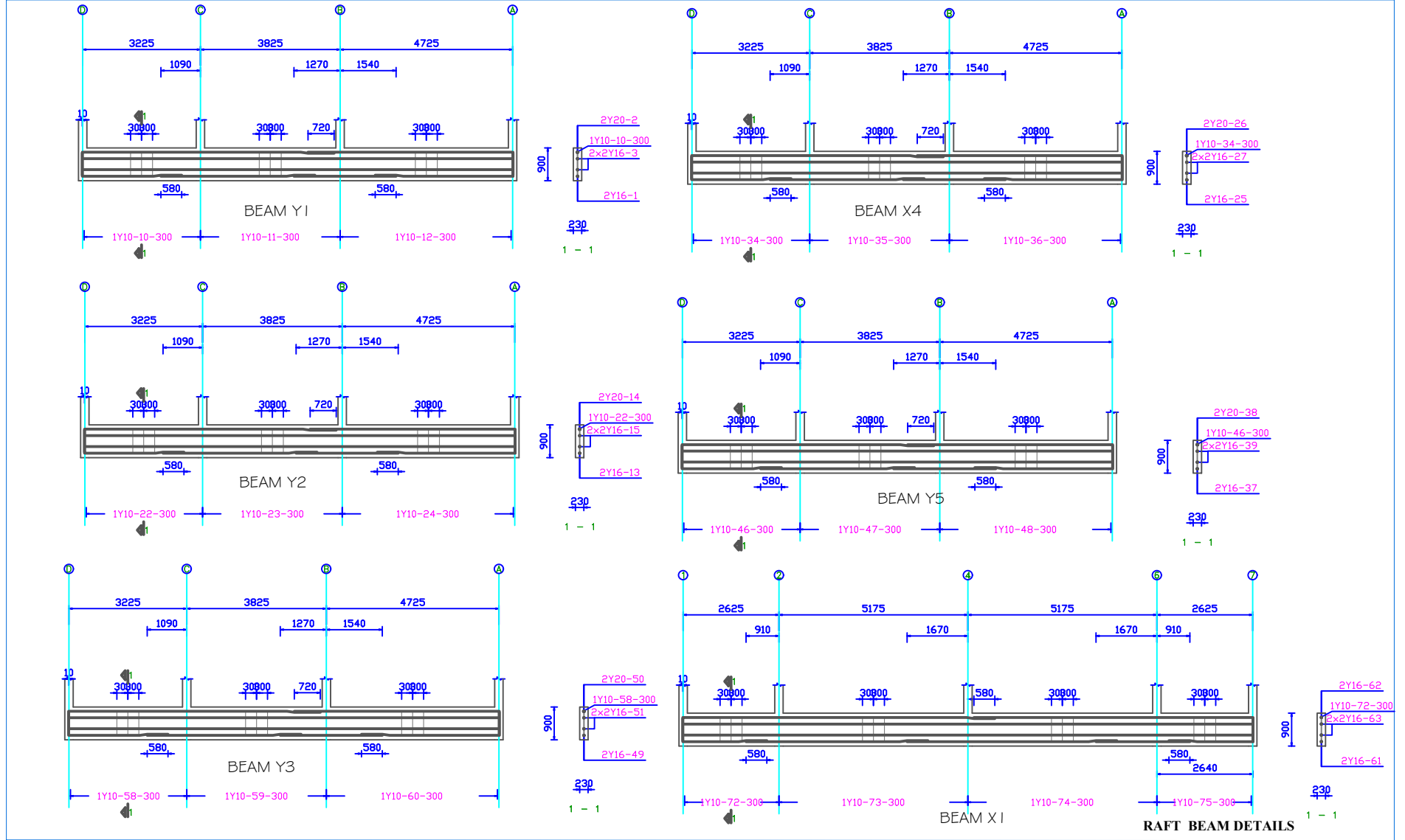
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JOB
2018005

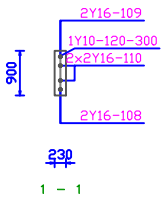
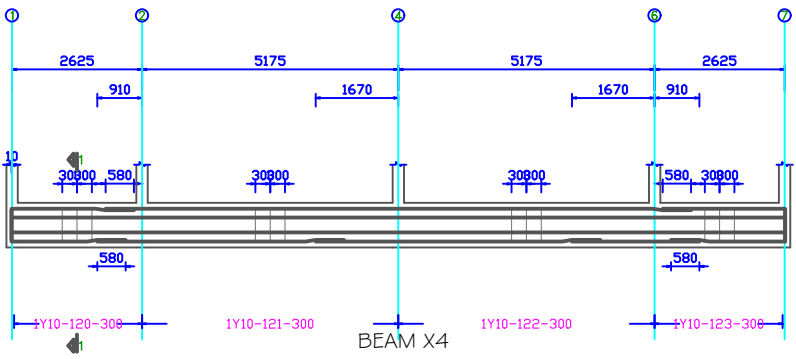
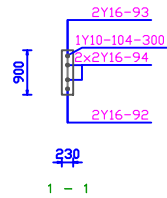
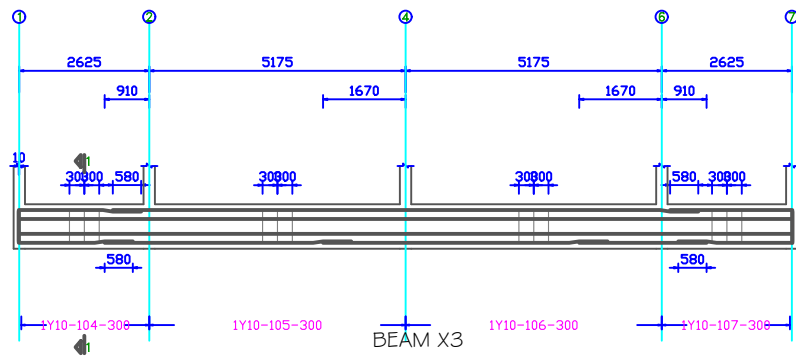
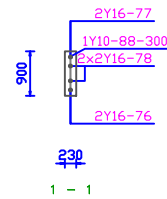
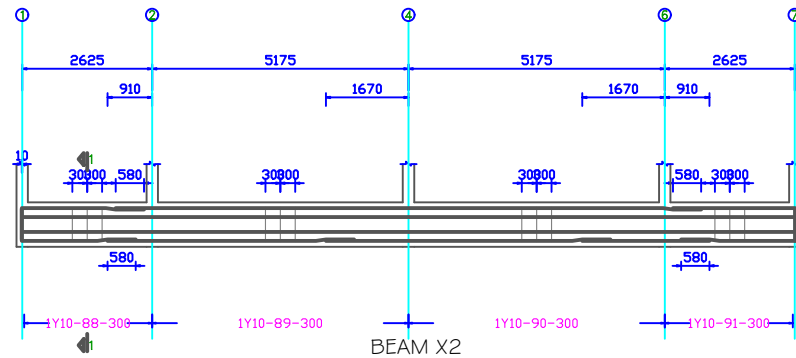
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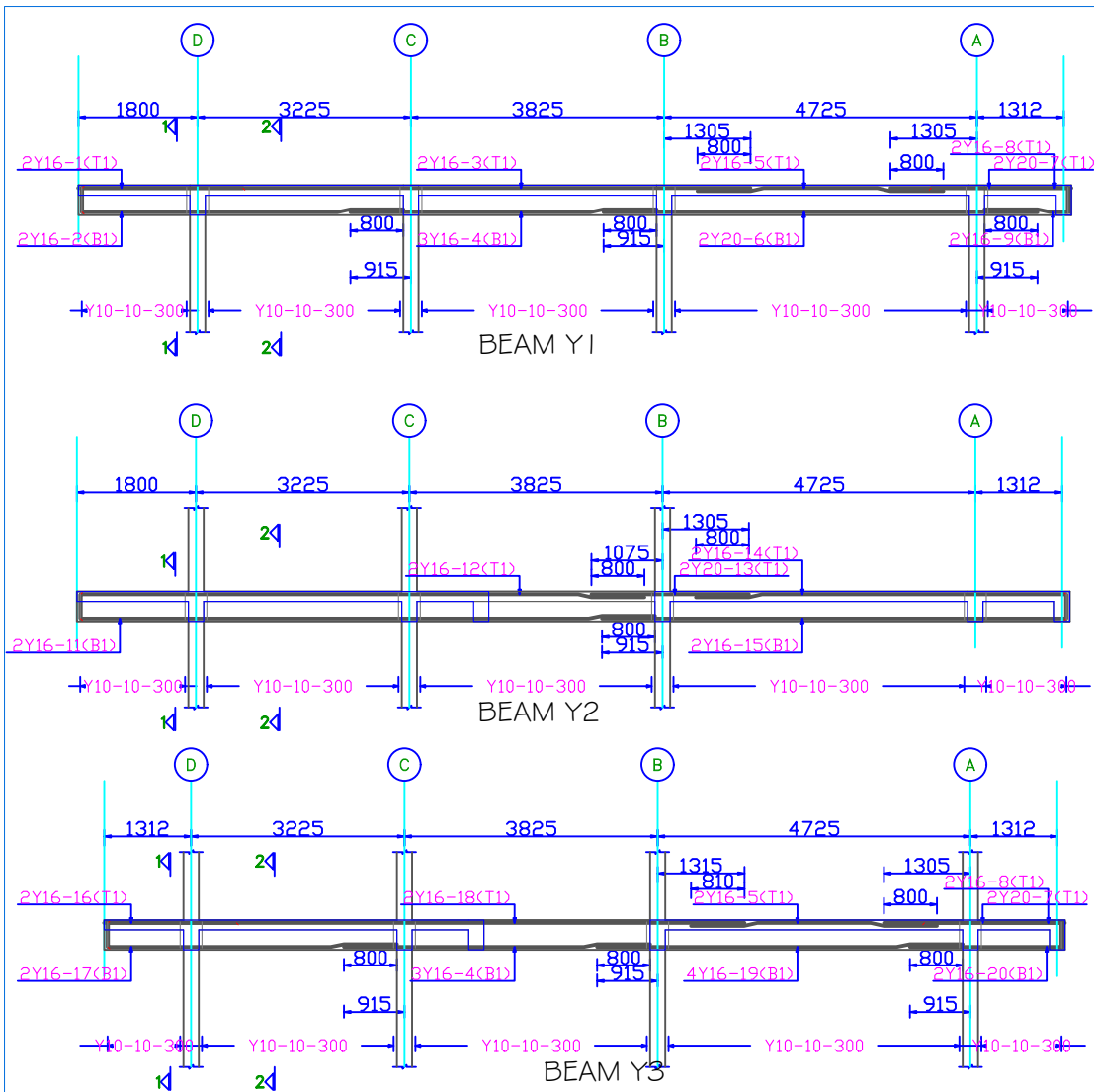


RAFT BEAM DETAILS

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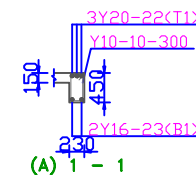
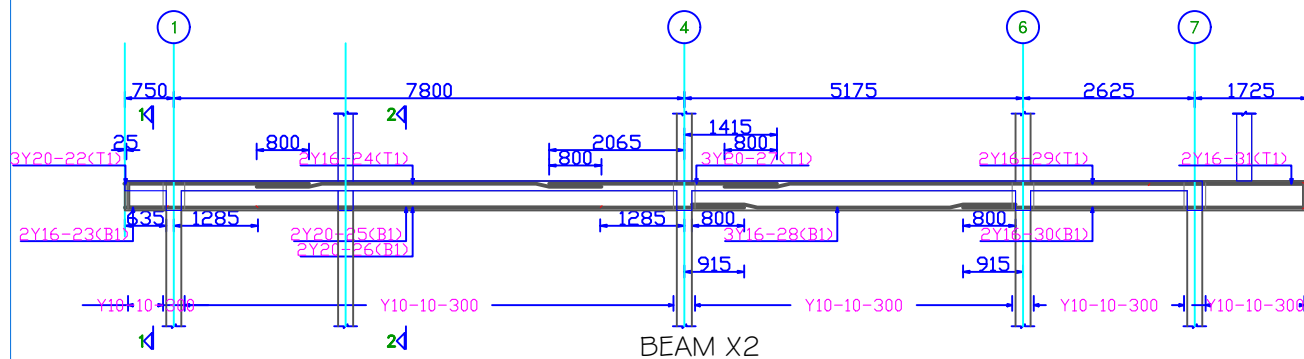
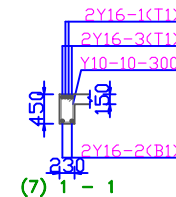
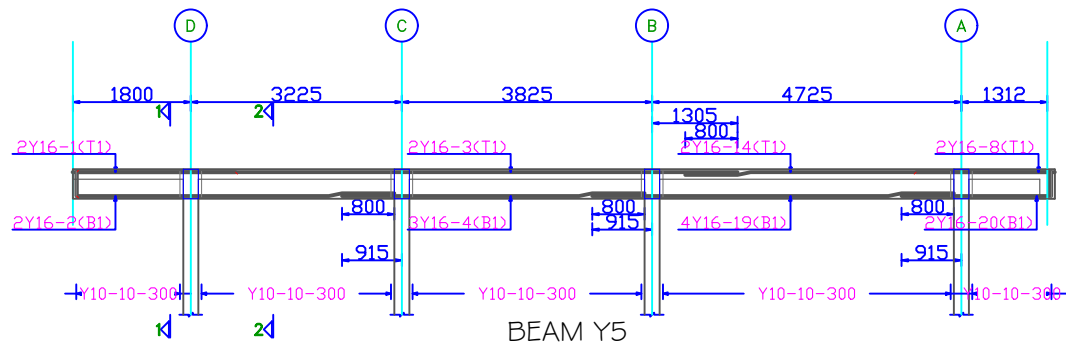
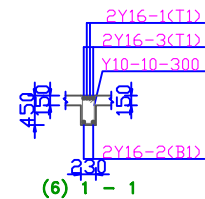
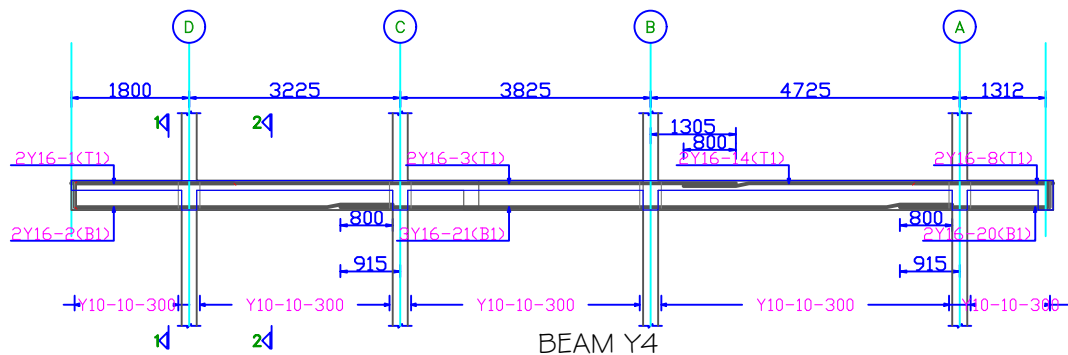


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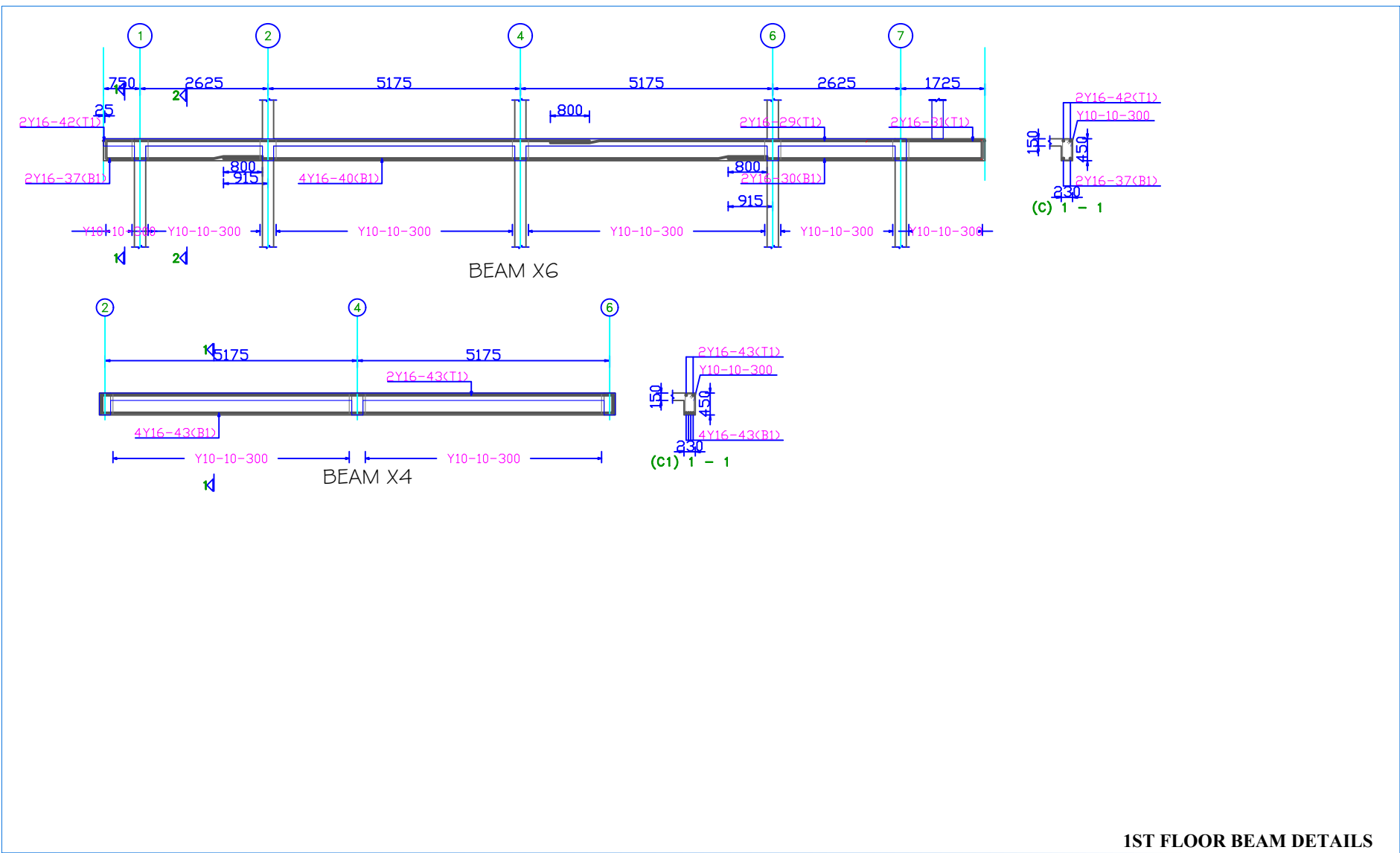
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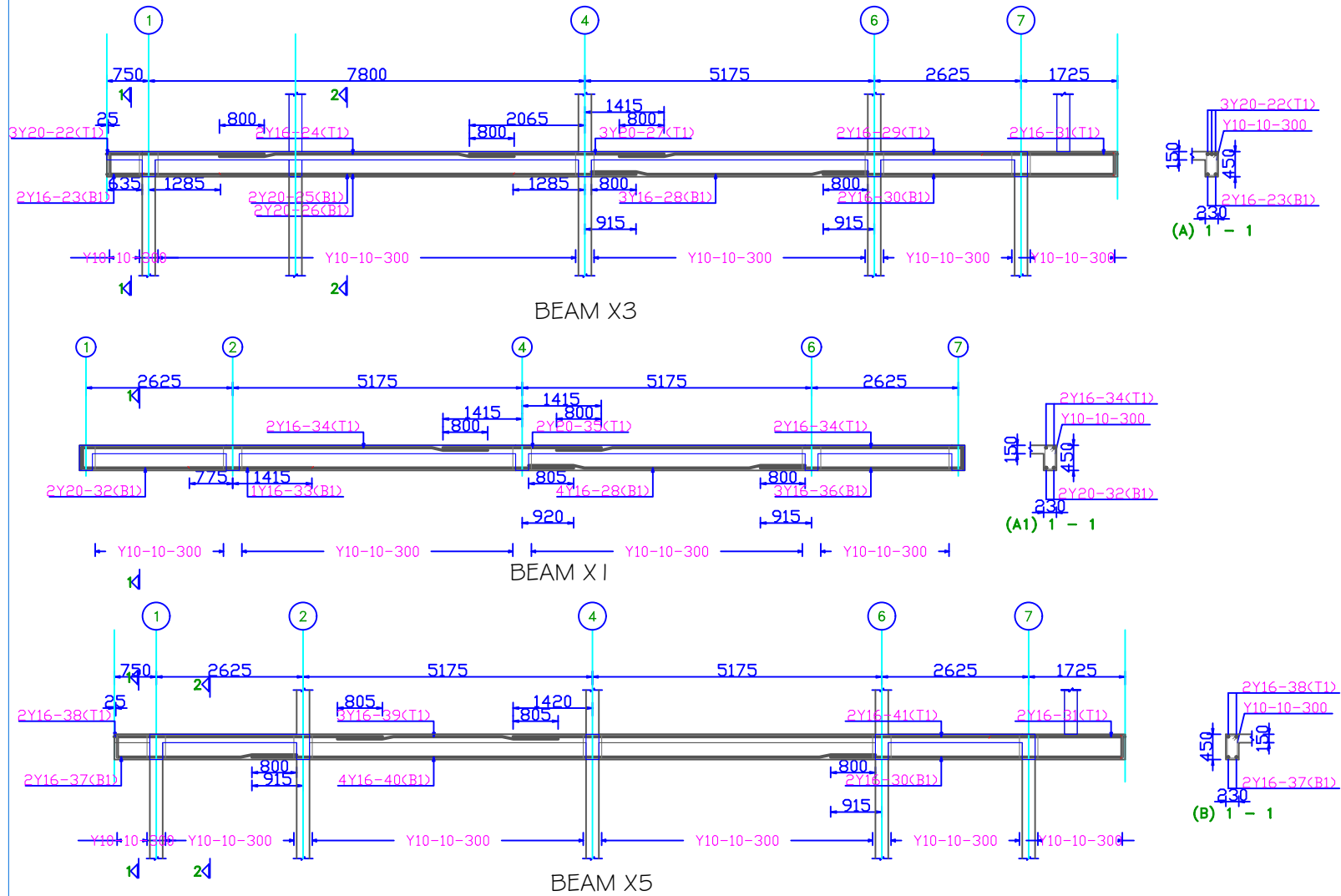
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1ST FLOOR BEAM DETAILS

NOTES	1 drawings not to be scaled	JOB 20118005		DRG. NO. 0011-0115		SHEET 1 OF 12		CLIENT: LABARAN AMMANI	
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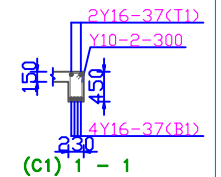
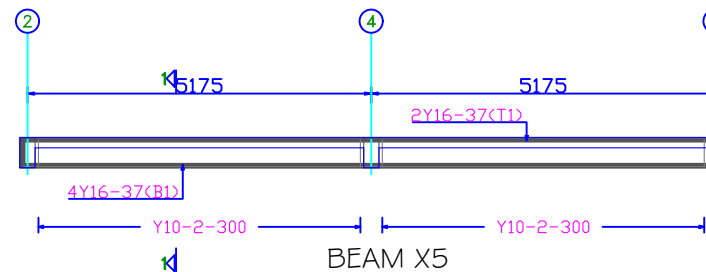
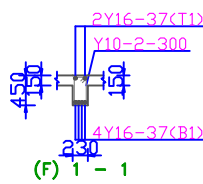
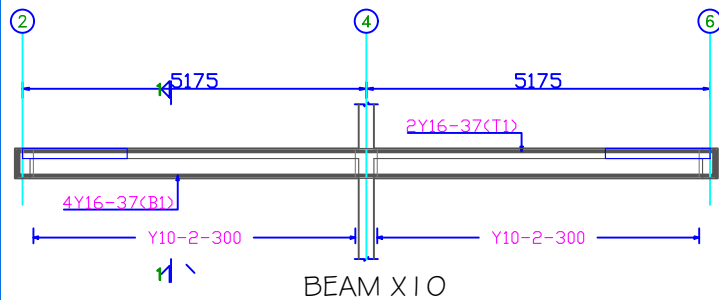
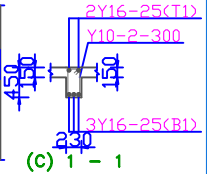
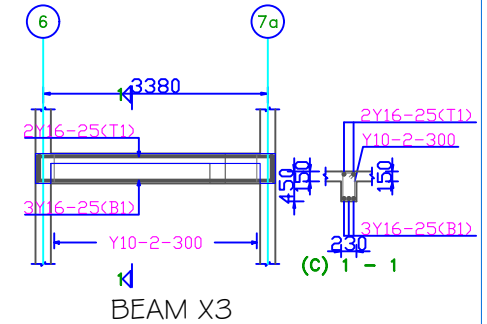
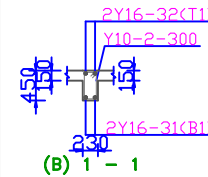
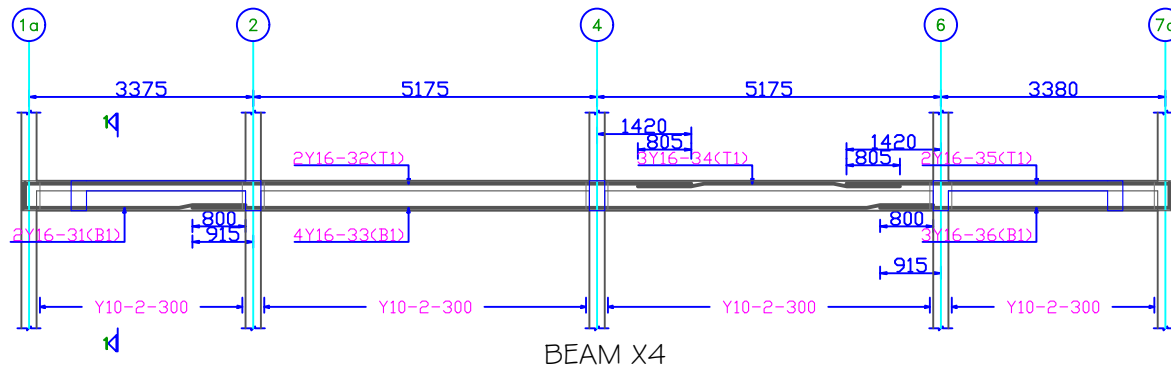
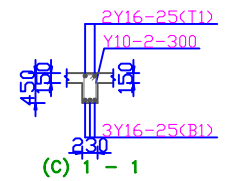
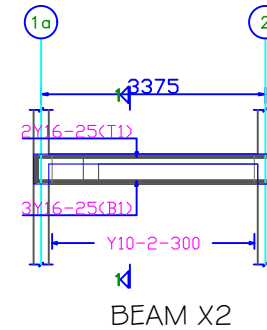
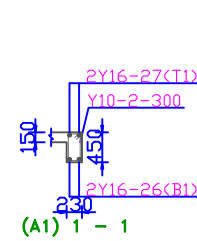
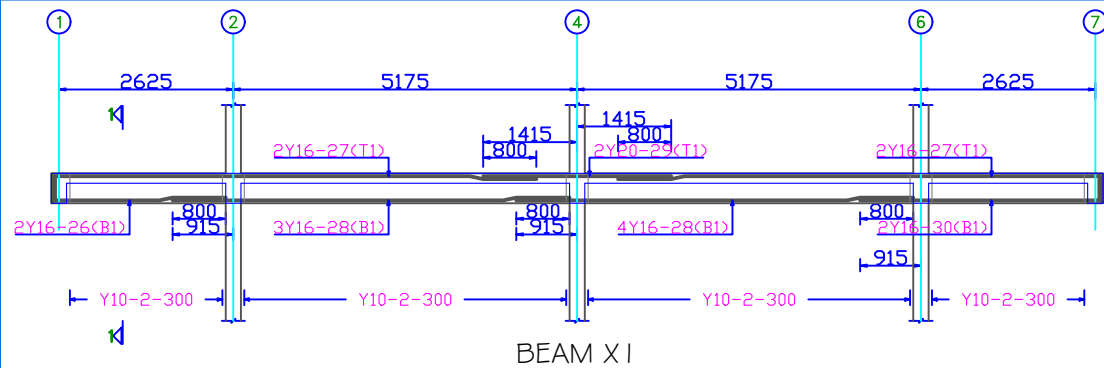


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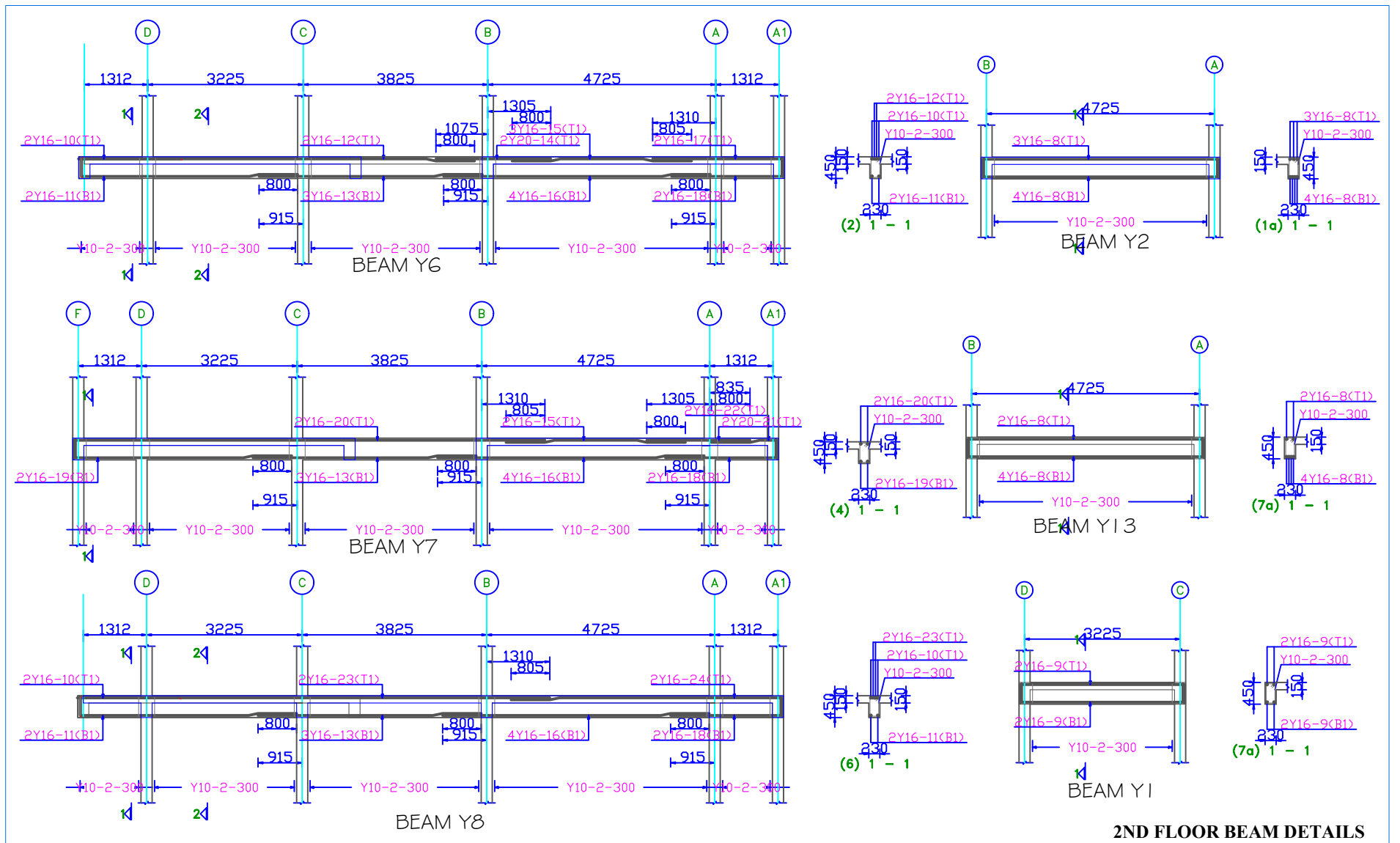


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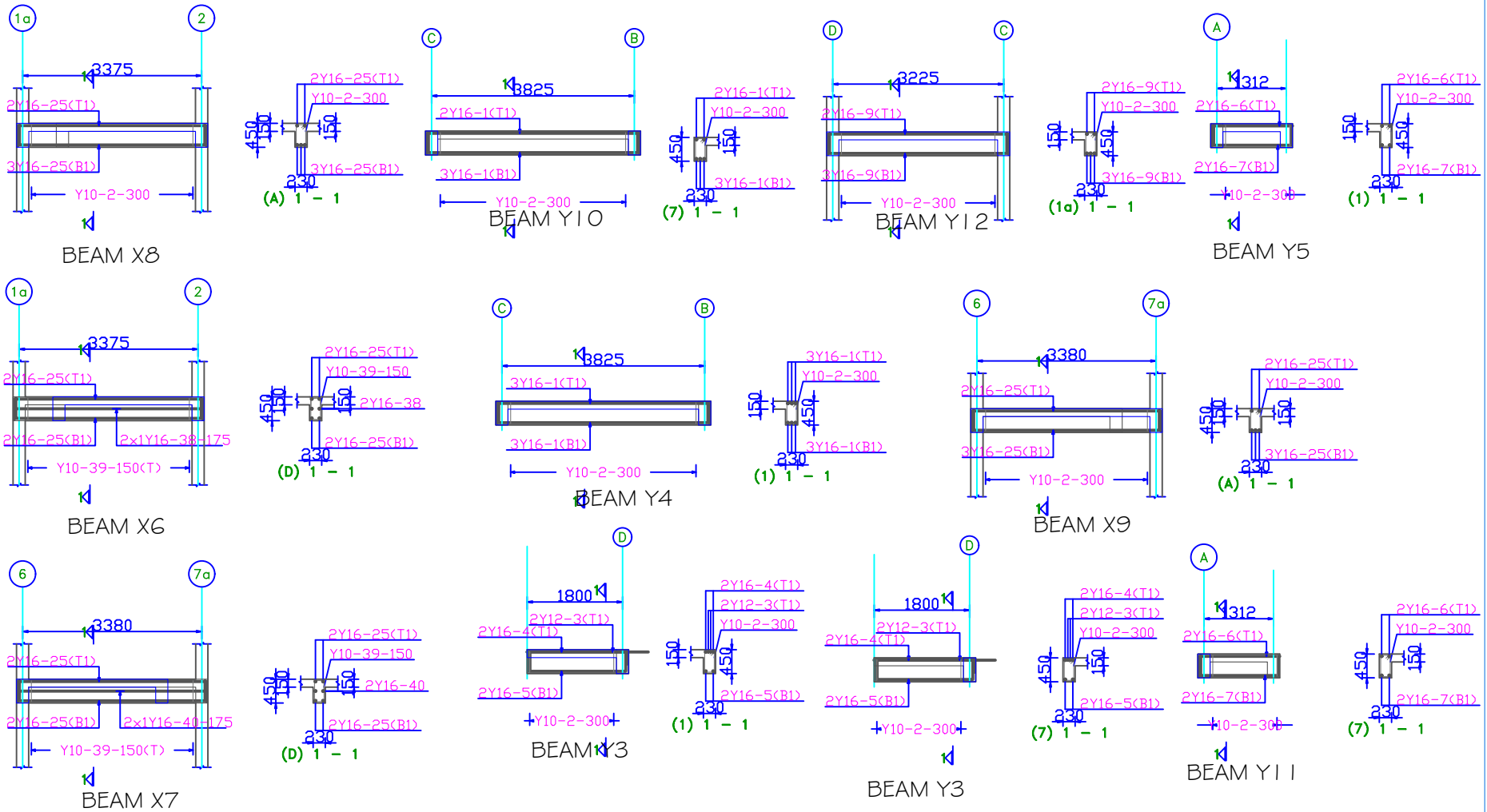
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JOB: 2018005		DRG. NO. 001-018		SHEET 1 OF 12		CLIENT: LABARAN AMMANI	
DRG. TITLE				PLAN			
SCALE		CHECKED					
DATE		DESIGNED		R. SULE			
		DRAWN		R. SULE			



2ND FLOOR BEAM DETAILS

NOTES

- 1 drawings not to be scaled
- 2 written dimensions to be taken in preference
- 3 dimensions are taken to grid lines and structural surfaces, not to finished surfaces
- 4 any discrepancies between this drawing and others or the specification will be brought to the attention of the architects who alone will decide on final instruction
- 5 this drawing is copyright and must not be reproduced without the written permission of consultant
- 6 authorisation for the use of these drawing is deemed to be given after settlement of professional fees

PROPOSED RESIDENTIAL DEVELOPMENT
@
PLOT 332 CADASTRAL ZONE B11 KAURA DISTRICT
ABUJA FCT

JOB NO. 2018005

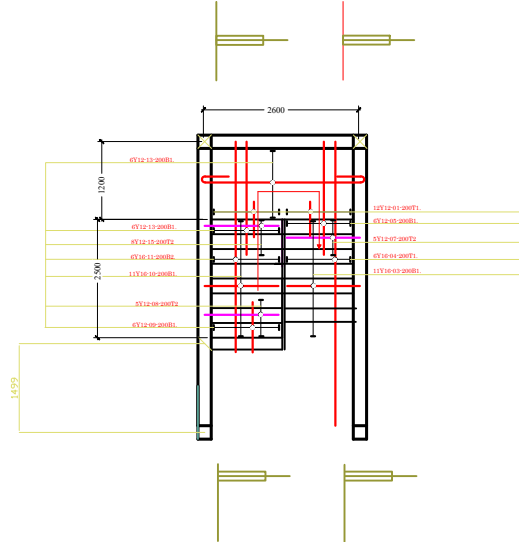
DRG. NO. 001-019 SHEET 1 OF 12

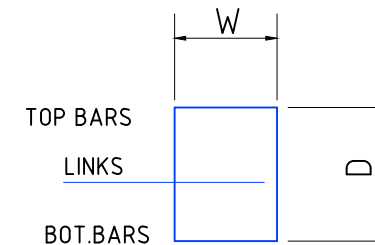
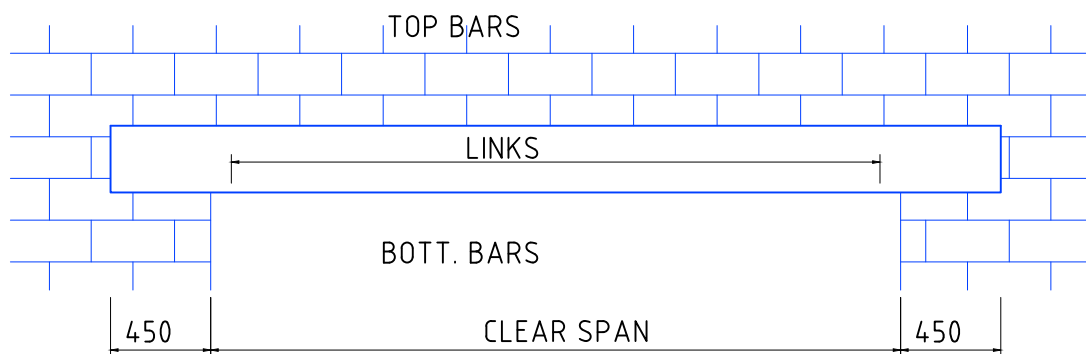
CLIENT: LABARAN AMMANI

DRG. TITLE PLAN

SCALE	CHECKED	R.SULE
DATE	DESIGNED	R.SULE
	DRAWN	R.SULE

STAIRCASE DETAILS
GRD FLR - 1ST FLR





CLEAR SPAN	DEPTH (D)	WIDTH (W)	TOP BARS	BOTTOM BARS	LINKS
450-1000 mm	225 mm	225 mm	2Y12	2Y12	R10 @ 200
1000-1500 mm	225 mm	225 mm	2Y16	2Y16	R10 @ 200
1500-2000 mm	225 mm	225 mm	2Y16	2Y16	R10 @ 200
2000-2500 mm	225 mm	225 mm	2Y16	3Y16	R10 @ 200

REINFMT. LINTEL SCHEDULE DETAILS

NOTES	1 drawings not to be scaled	JOB NO. 2018005 DRG. NO. 001-021 SHEET 1 OF 12 CLIENT: LABARAN AMMANI
	2 written dimensions to be taken in preference	
	3 dimensions are taken to grid lines and structural surfaces, not to finished surfaces	
	4 any discrepancies between this drawing and others or the specification will be brought to the attention of the architect who alone will decide on final instruction	
	5 this drawing is copyright and must not be reproduced without the written permission of consent	
	6 authorisation for the use of these drawings is deemed to be given after settlement of professional fees	
PROPOSED RESIDENTIAL DEVELOPMENT @ PLOT 332 CADASTRAL ZONE B11 KAURA DISTRICT ABUJA FCT		DRG. TITLE PLAN
SCALE DATE		CHECKED DESIGNED DRAWN
		R.SULE R.SULE