## STRUCTURAL DRAWING

	1 drawings not to be scaled
I . I	2 written dimensions to be taken in preference
N	3 dimensions are taken to grid lines and structural surfaces, not to finished surfaces
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PROPOSED RESIDENTIAL DEVELOPMENT @
PLOT 432 CADASTRAL ZONE B04 JABI DISTRICT ABUJA FCT

<sub>ЈОВ</sub>	18005	DRG. NO.	SHEET 1 OF 12	CLIENT:
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- 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)

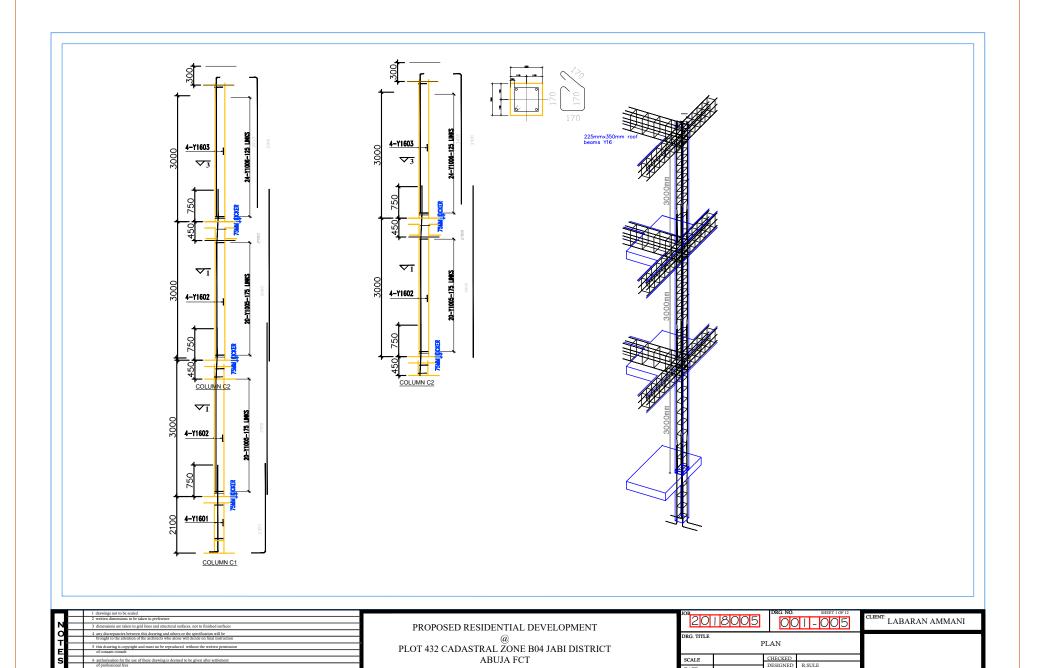
Beams: 25mm Slabs: 20mm Columns: 30mm

5. laping of reinforcement shall be the following:

20mm diameter steel: 700mm lapping 16mm diameter steel: 600mm lapping 12mm diameter steel: 500mm lapping

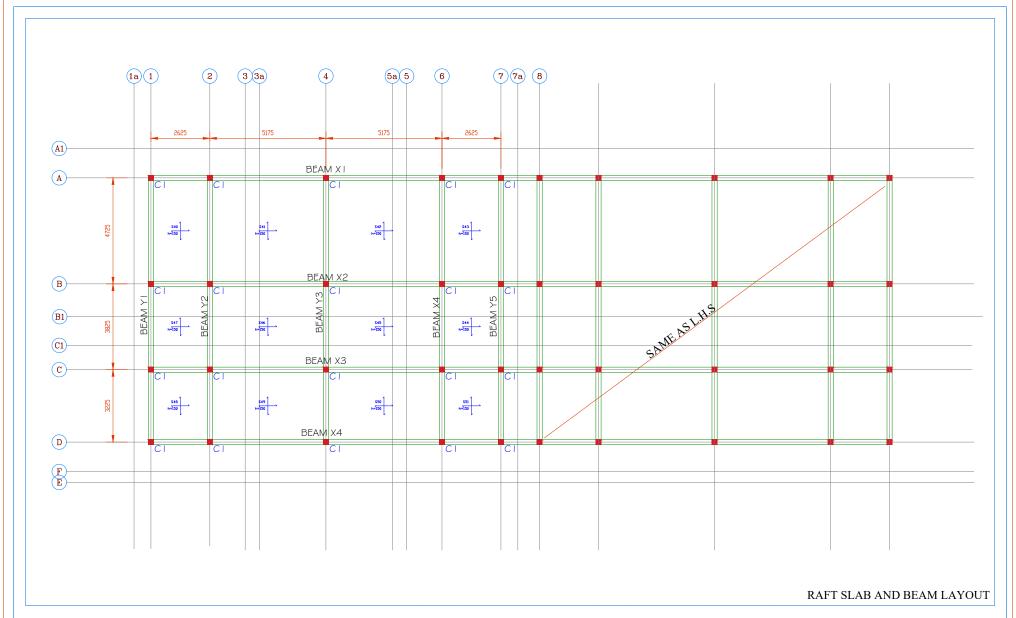
- 6. Drawings must be read in conjuction with the relevant architectural drawings and in case of any discrepancy refer to the design engineer for clarification.
- 7. Dimensions are in millimetre(mm) and must not be scaled at any time.
- 8. Foundation designed for an allowable soil bearing pressure of 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.

	1 drawings not to be scaled		JOB	DRG. NO. SHEET 1 OF 12	
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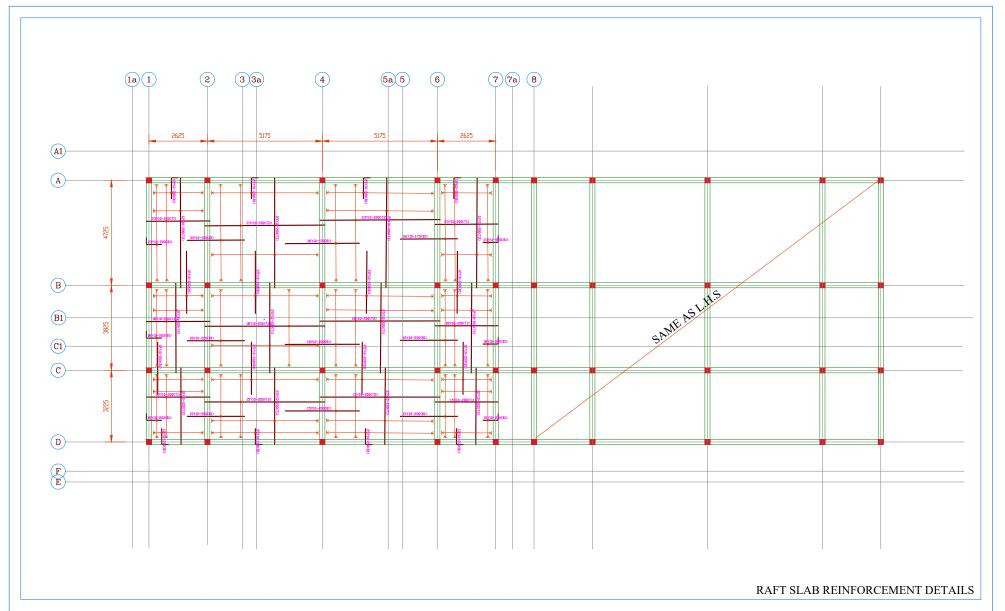


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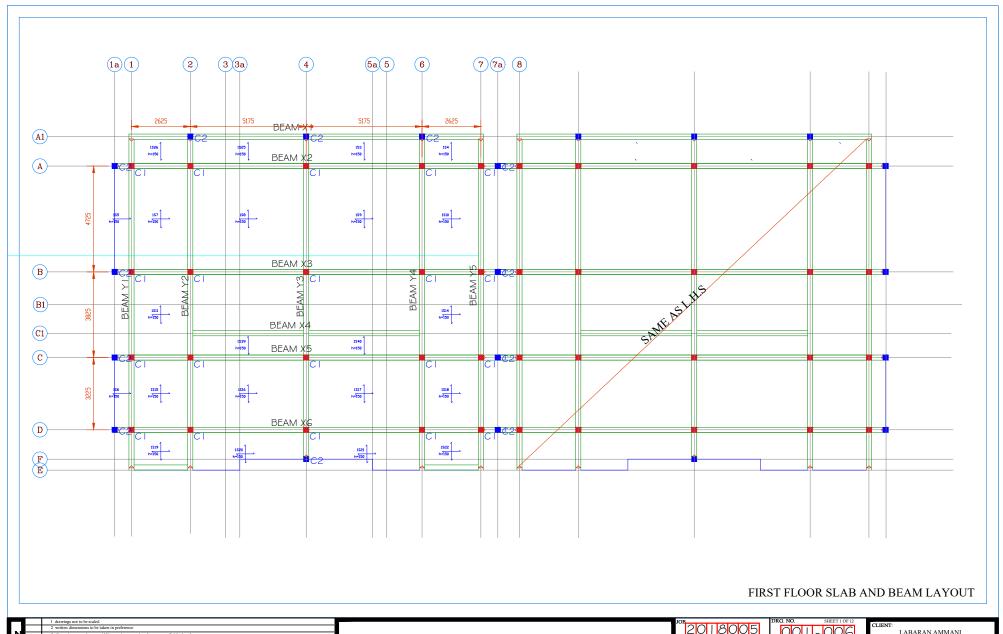
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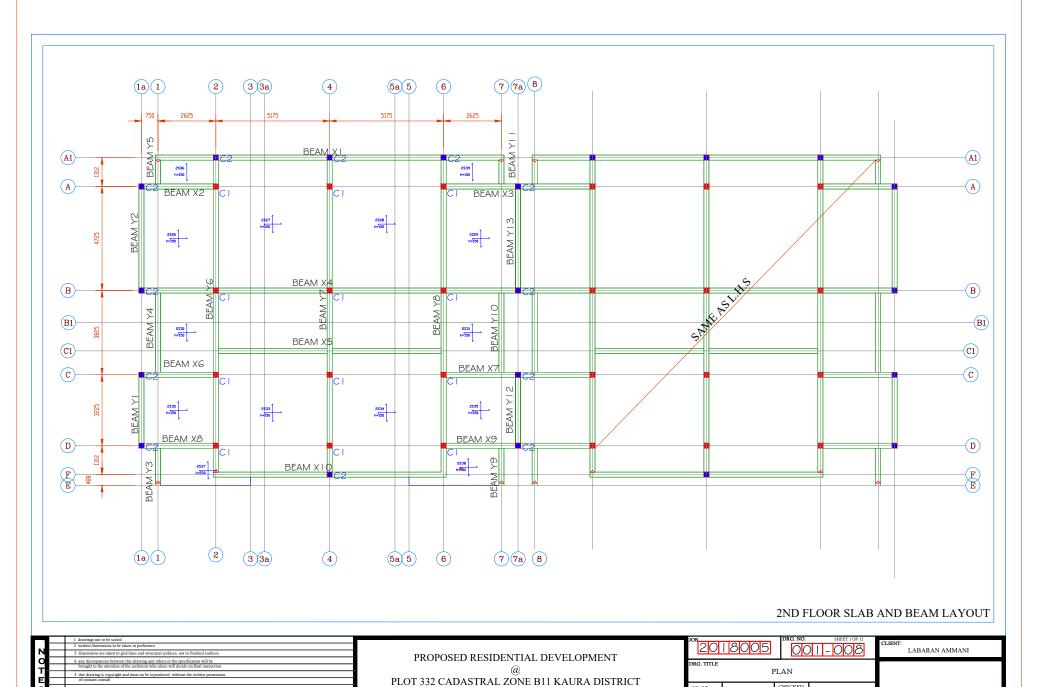
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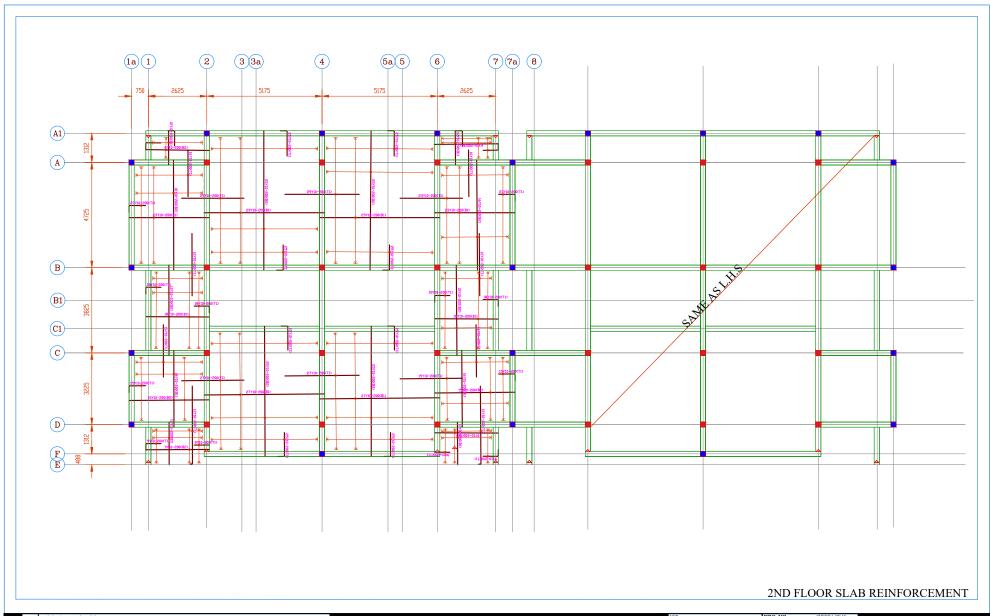
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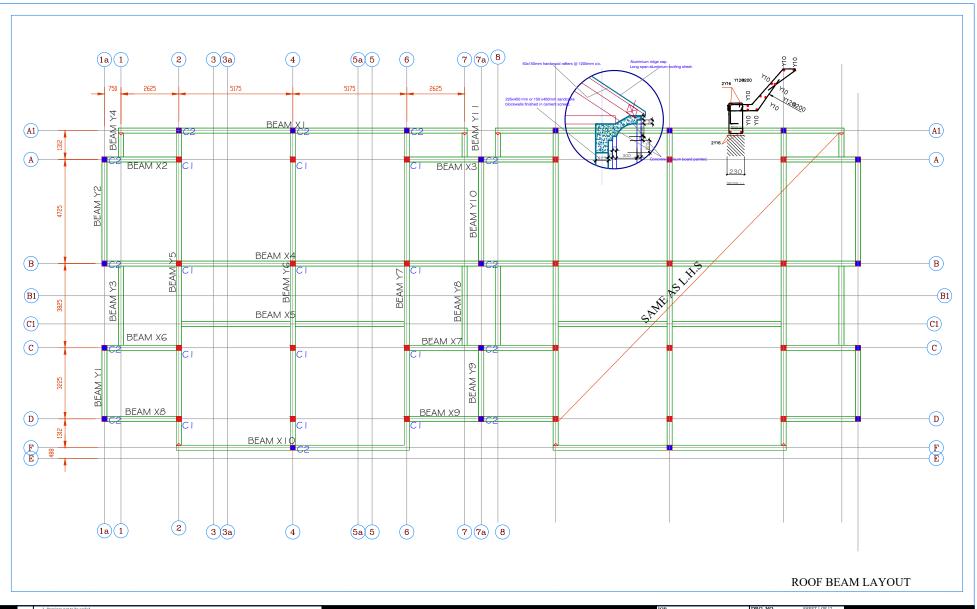
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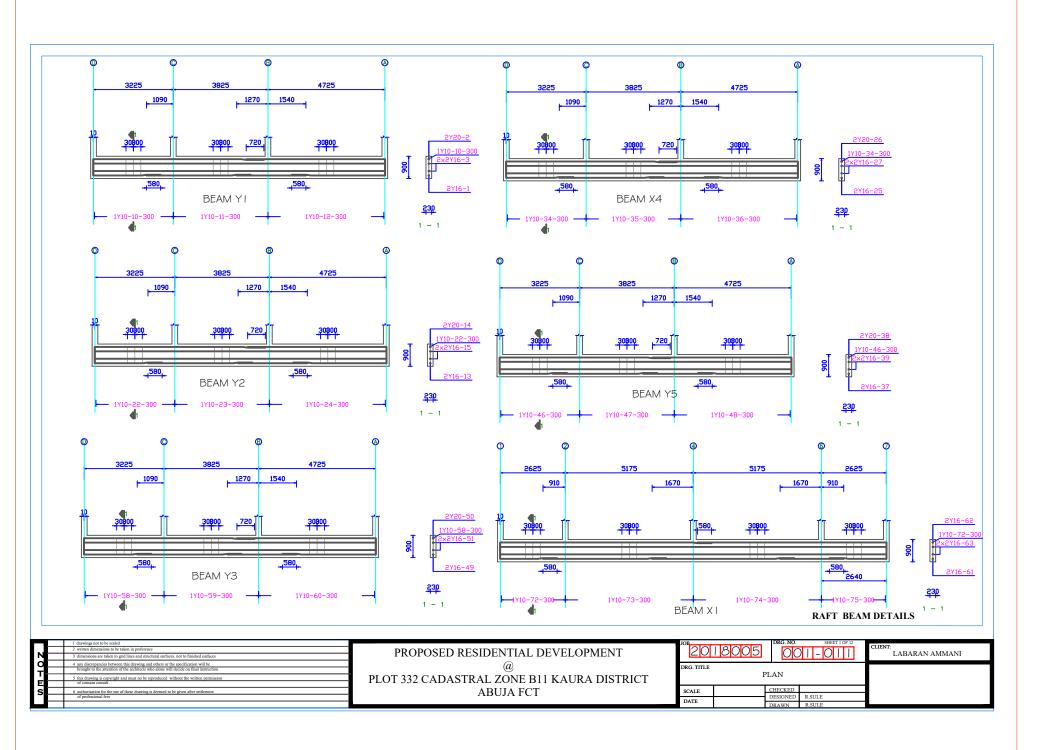
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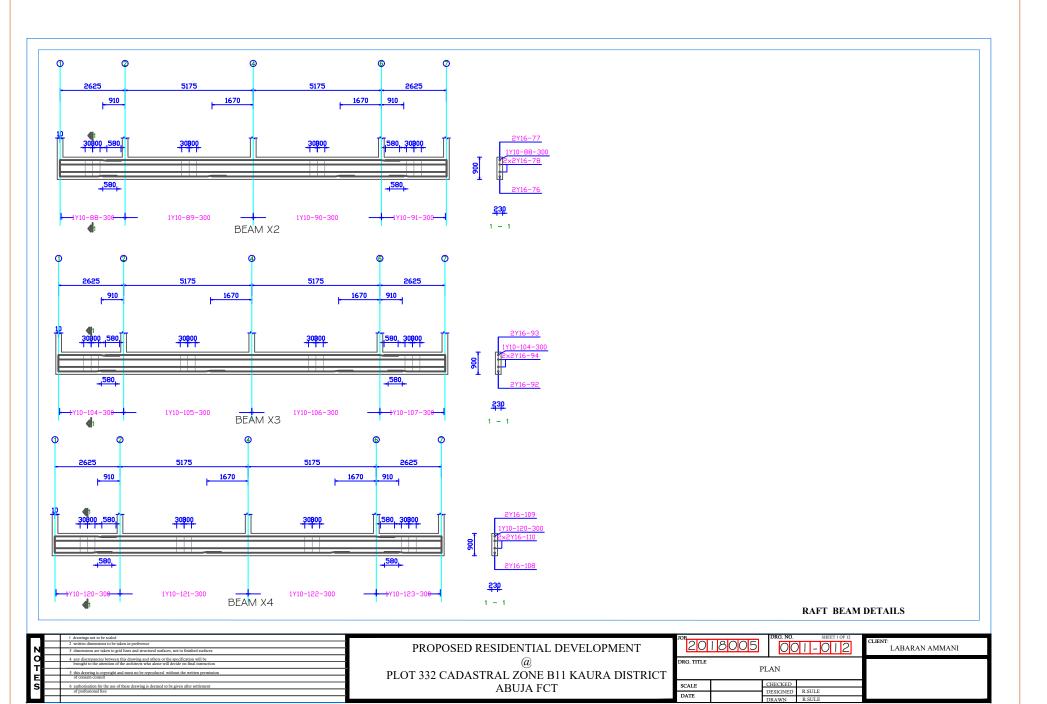


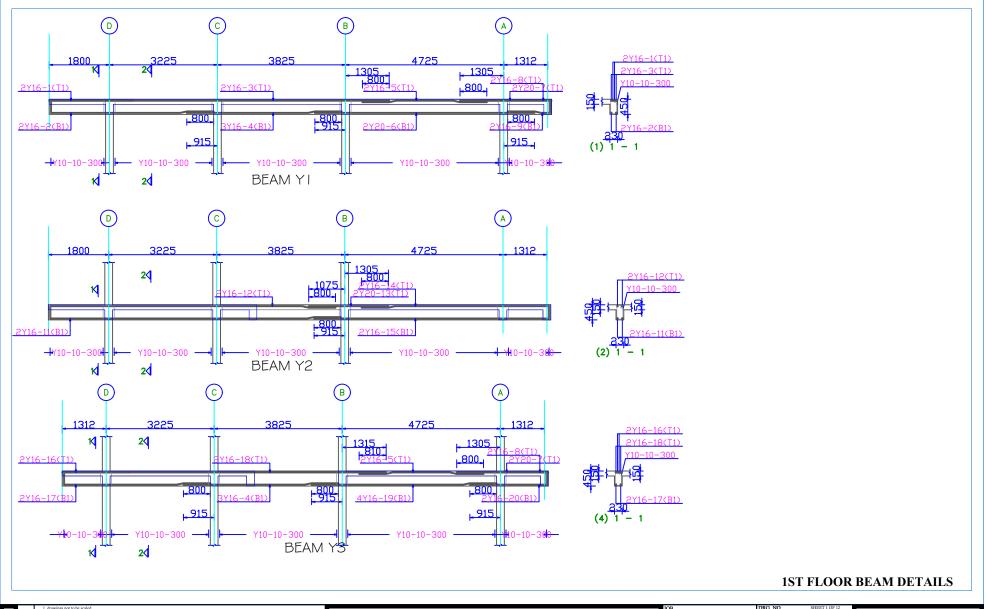
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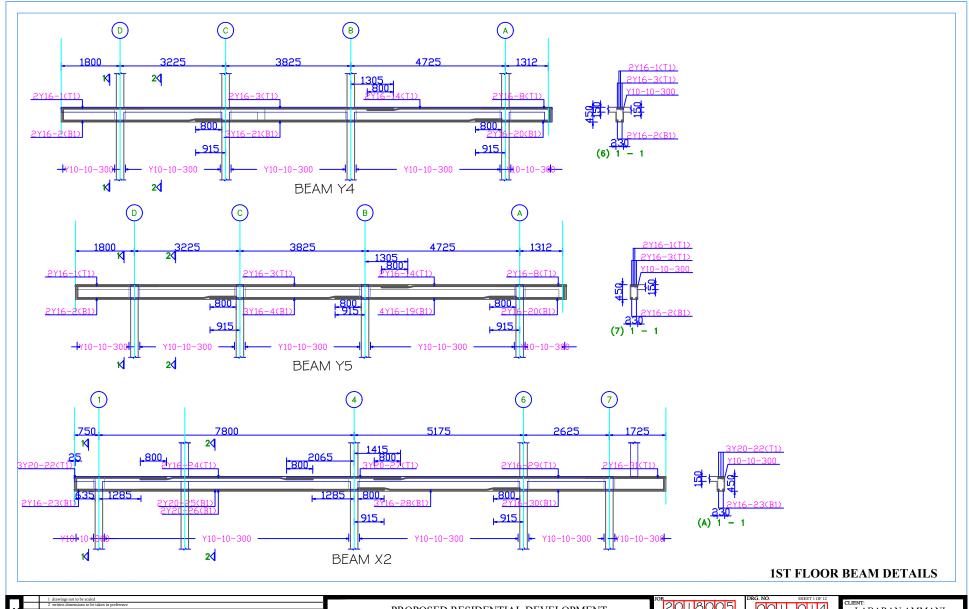
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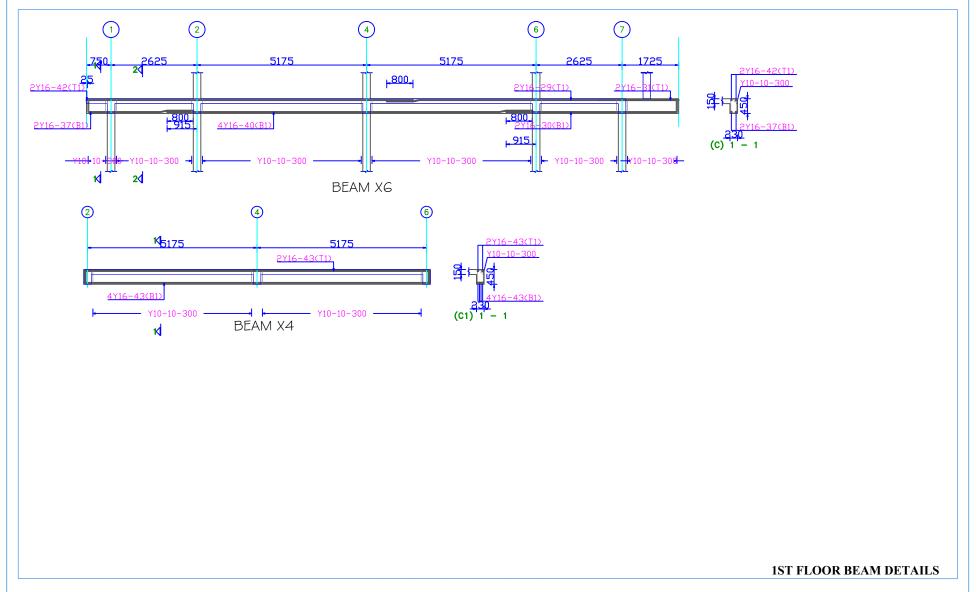


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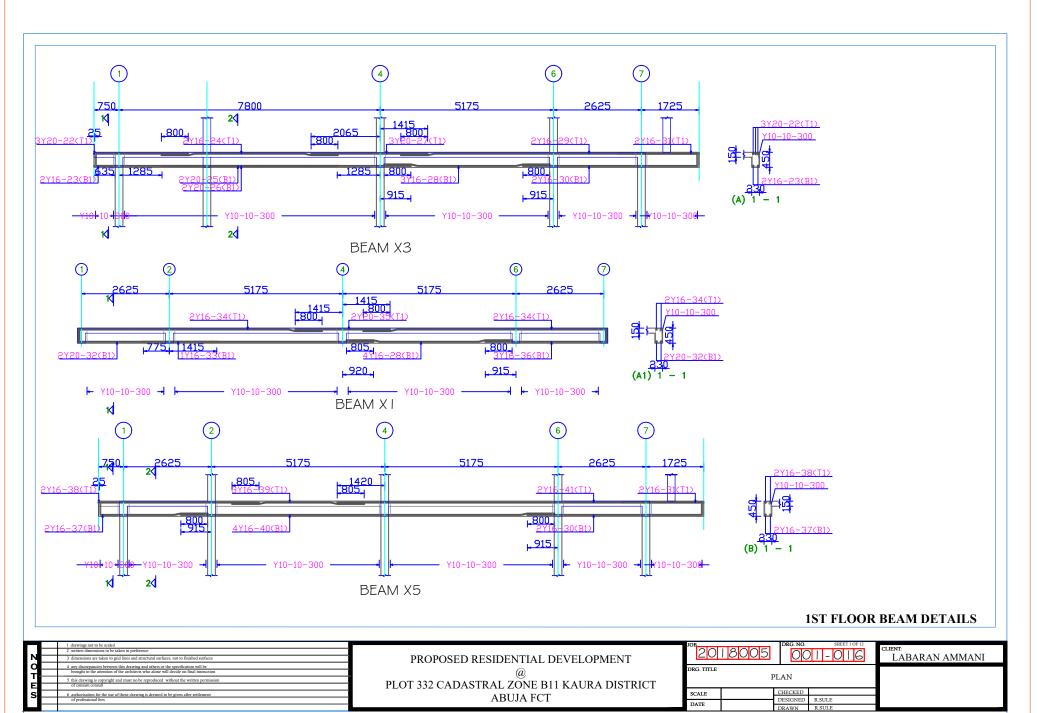


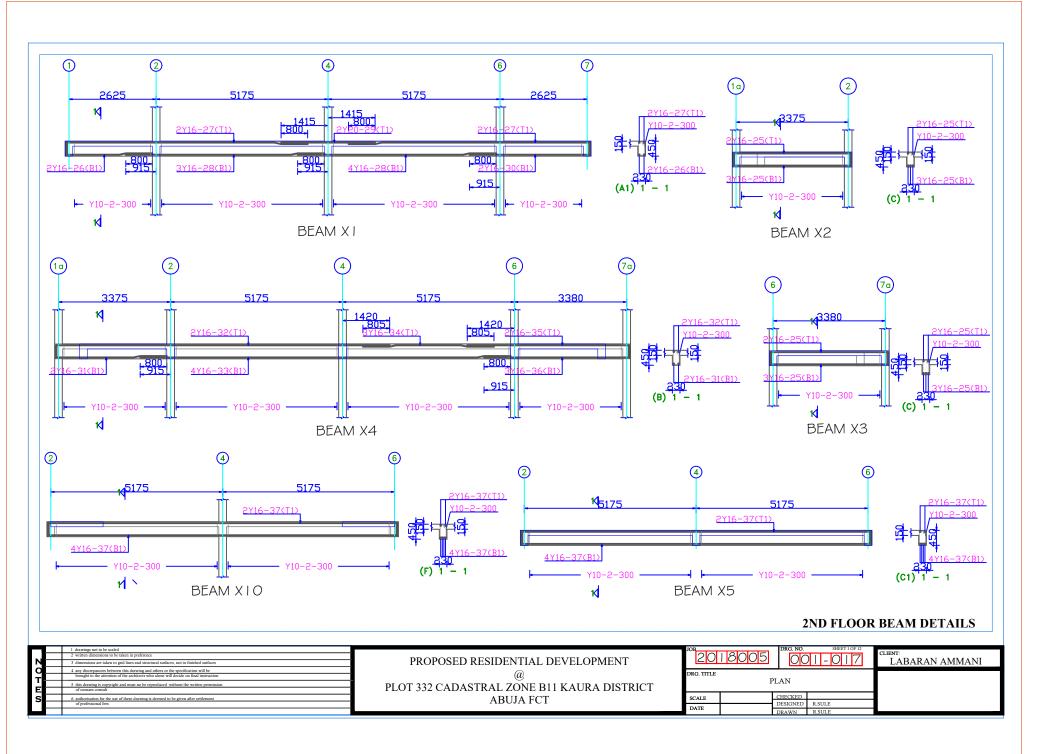
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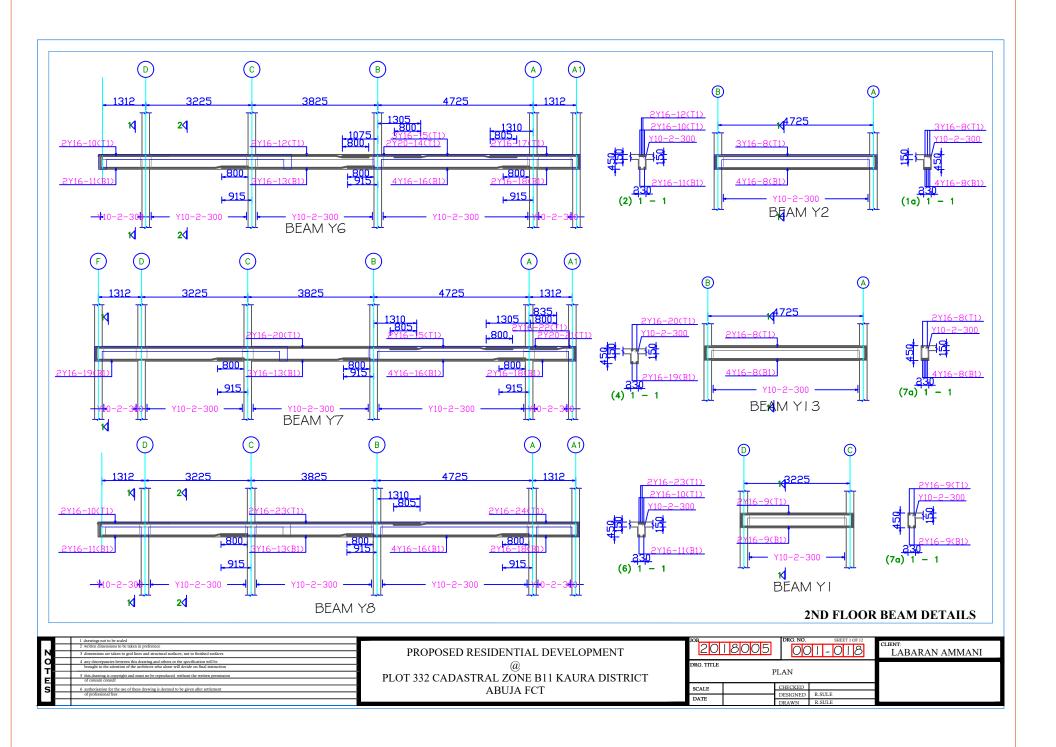
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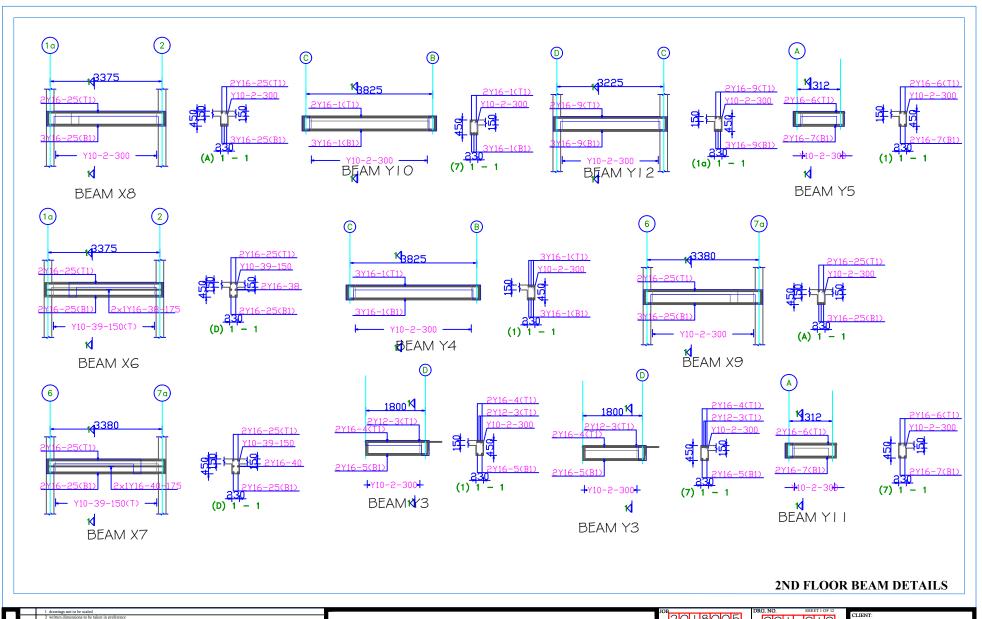


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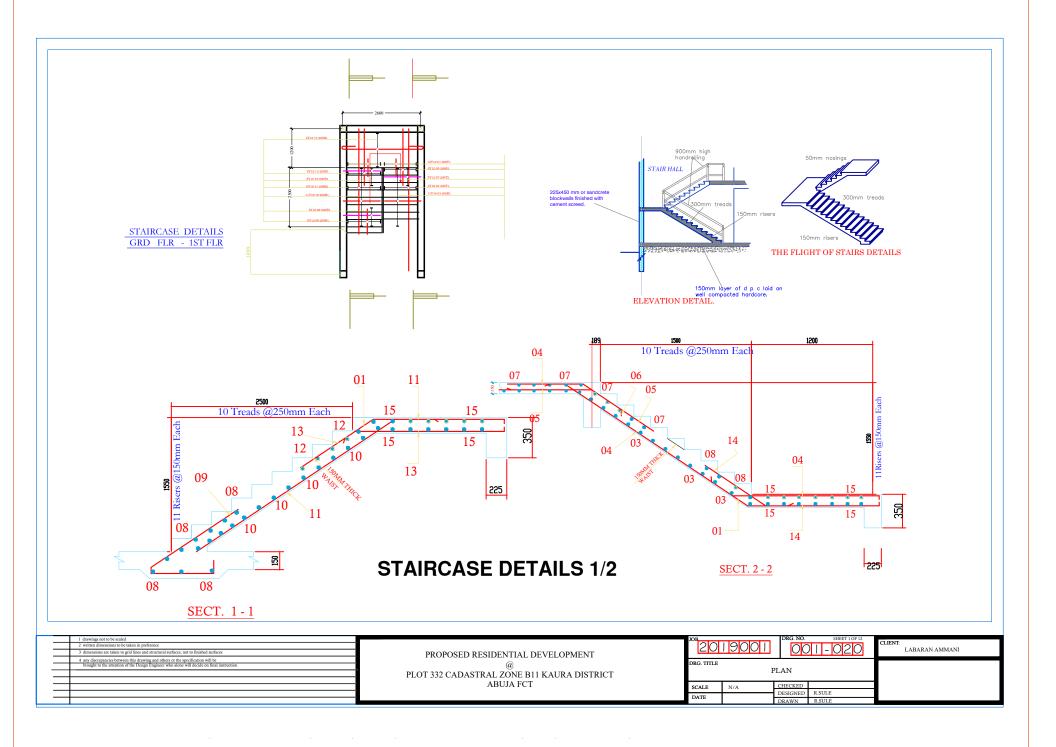


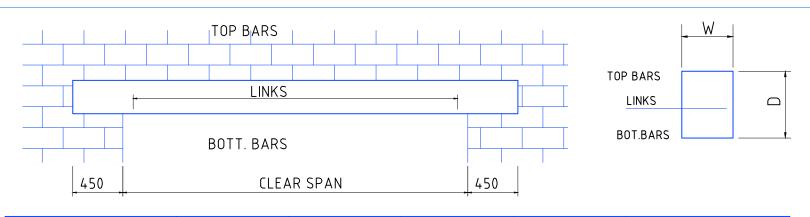






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CLEAR SPAN	DEPTH (D)	WIDTH (W)	TOP BARS	BOTTOM BARS	LINKS	
450-1000 mm	225 mm	225 mm	mm 2Y12 2Y12		R10 @ 200	
1000-1500 mm	225 mm	225 mm	2Y16	2Y16	R10 @ 200	
1500-2000 mm	225 mm	225 mm	2Y16	2Y16	R10 @ 200	
2000-2500 mm	225 mm	225 mm	2Y16	3Y16	R10 @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

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