STRUCTURAL DRAWINGS

GENERAL CONSTRUCTION NOTES

GENERAL

A1. ALL STRUCTURAL DRAWINGS AND SKETCHES MUST BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTS AND SERVICES ENGINEERS AND SPECIALIST DRAWINGS. WHERE DISCREPANCIES OCCUR, THESE ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND/OR ENGINEERS FOR RESOLUTION PRIOR TO EFFECTING CONSTRUCTION.

A2. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS ARE TO BE CHECKED ON SITE.

A3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

A4. FOR DETAILS OF FLOOR SCREED AND FINISHES, WATERPROOFING E.T.C. AND CONCRETE FINISHES, SEE ARCHITECTS DETAILS.

A5. THE STRUCTURAL ENGINEER SHALL NOT BE HELD LIABLE/RESPONSIBLE FOR ANY DRAWINGS NOT SUPERVISED BY HIM.

REINFORCEMENT

B1. STEEL TO HAVE A MINIMUM YIELD STRESS OF BAR AS DESIGNATED:
Y = 410 N/mm^2
BARS DESIGNATED "Y" TO BE THE DEFORMED TYPE BARS.
ACCORDING TO BS 4449 AND BARS ARE IN MILLIMETER SIZE.
"Y" DENOTES DEFORMED HIGH BOND HOT-ROLLED HIGH YIELD STRESS REINFORCEMENT TO BS 4449 AND 4461.

B2. NOTATIONS USED AS FOLLOWS: 11 - Y10 - 09 - 150 c/c B, IMPLY
11 - NUMBER OF BARS
Y10 - TYPE AND DIAMETER OF BARS
09 - BAR MARK
150 C/C - SPACING OF BARS IN MILLIMETRES
B - LOCATION OF BAR E.G. B - BOTTOM, T - TOP.

B3. WHERE HOLES, FIXING, ETC. ARE REQUIRED, BARS MAY BE DISPLACED SLIGHTLY TO ACCOMODATE THESE BUT THEY MUST NOT BE CUT OR REMOVED.

B4. WHERE TOP REINFORCEMENTS ARE REQUIRED ON SLABS, AND THERE EXISTS NO SPECIFICATIONS ON THE SLAB DETAILS, THE FOLLOWING GUIDES SHALL BE FOLLOWED:

B4.1. FOR MAIN TOP BARS, USE DIA. 12mm BARS SPACED AT 200mm c/c

B4.2. FOR SECONDARY TOP BARS, USE DIA, 12mm BARS SPACED AT 200mm c/c

CONCRETE

D1. ALL STRUCTURAL CONCRETE TO BE GRADE .....25..... IN FOUNDATIONS.
ALL STRUCTURAL CONCRETE TO BE GRADE .....25..... IN COLUMNS.
ALL STRUCTURAL CONCRETE TO BE GRADE .....25..... IN ALL OTHER SUPERSTRUCTURAL ELEMENTS, UNLESS OTHERWISE STATED.

D2. MINIMUM CEMENT AGGREGATE RATIO TO BE 1:6. MAXIMUM SIZE OF COARSE AGGREGATE TO BE 20MM.

D3. ALL AGGREGATE TO BE SUITABLY GRADED AND APPROVED BY THE ENGINEER PRIOR TO USE IN CONSTRUCTION.

D4. ALL CONCRETE TO BE SUITABLY AND FULLY COMPACTED AND CURED IN AN APPROVED MANNER TO THE SATISFACTION OF THE ENGINEER.

D5. MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT TO BE AS FOLLOWS:

FOUNDATION :	.....	50MM,	COLUMNS :	.....	25MM,
BEAMS :	.....	25MM,	SLABS :	.....	25MM,
STAIRCASES, ETC.....		20MM,	UNLESS OTHERWISE STATED.		

D6. ALL MASS CONCRETE TO BE 1 : 3 : 6 MIX (CEMENT - SAND - COARSE AGGREGATE)
ALL BLINDING TO BE 1 : 6 MIX (CEMENT- SAND AGGREGATE).

D7. IN WATER-TIGHT CONSTRUCTION, JOINTS IN CONCRETE WORK ARE TO HAVE WATER BAR AND CONTRACTOR IS TO TAKE SPECIAL CARE WITH THE CONCRETE SO AS TO PRODUCE A WATER-TIGHT CONSTRUCTION.
AN ADMIXTURE OF A PROPRIETARY BRAND MAY BE USED IF AGREED BY THE ENGINEER. HOWEVER, IF USED ADEQUATE CARE SHOULD BE EXERCISED THAT IT IS PLACED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

D8. ALL CONSTRUCTION JOINT POSITIONS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO CASTING WHERE NOT INDICATED ON THE DRAWING. THESE SHOULD NOT EXCEED 10.0m APART.

D9. CONCRETE SHALL NOT BE POURED THROUGH REINFORCING STEEL SO AS TO CAUSE SEGREGATION OF AGGREGATES. HOPPERS, VERTICAL CHUTES OR TRUNKS SHALL BE USED IN SUFFICIENT NUMBERS SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 1800mm & TO ENSURE THAT THE CONCRETE IS KEPT LEVEL AT ALL TIMES.

D10. BEFORE FRESH CONCRETE IS POURED AGAINST CONCRETE IN-PLACE, THE CONTACT SURFACES OF CONCRETE IN-PLACE SHALL BE THOROUGHLY CLEANED, ALL LAITANCE SHALL BE REMOVED & THE CONTACT SURFACES SHALL BE THOROUGHLY SLOSHED WITH GROUT CONSISTING OF ONE PART SAND TO ONE PART CEMENT WITH A MINIMUM AMOUNT OF WATER.

D11. CONCRETE CAST ON SLOPED SURFACES SHALL BEGIN AT THE LOWEST ELEVATION & CONTINUE MONOLITHICALLY TOWARD THE HIGHER ELEVATION UNTIL THE INTENDED POUR IS COMPLETED.

FOUNDATION

H1. THE ALLOWABLE SOIL BEARING CAPACITY IS .....120..... kN/M2. FROM THE SOIL REPORT.

H3. SITE PREPARATION AND TREATMENT TO BE CONFIRMED ON SITE BY SUPERVISING ENGINEER AT COMMENCEMENT OF FOUNDATION CONSTRUCTION.

H4. RELATIONSHIP OF THE GROUND FLOOR SLAB, EXISTING GROUND LEVEL AND THE FOUNDATION FORMATION LEVEL ARE TO BE CONFIRMED ON SITE AND APPROVED PRIOR TO CONSTRUCTION OF THE FOUNDATION.

BLOCKWORK

E1. CAVITIES OF HOLLOW BLOCKWALLS BELOW GROUND SLAB LEVEL ARE TO BE FILLED WITH MASS CONCRETE. BACKFILLING TO EXCAVATED TRENCHES ARE TO BE CARRIED OUT SIMULTANEOUSLY ON BOTH SIDES OF WALL.

E2. THE WALL THICKNESS OF THE BLOCKS SHOULD NOT BE MORE THAN 25mm.

E3. THE MINIMUM CRUSHING STRENGTH OF THE NON-LOAD BEARING HOLLOW SANDCRETE BLOCKS IS TO BE 2.1 N/mm2 OF THE GROSS AREA OF BLOCK AT 28 DAYS.

E4. BLOCKWORK TIES BETWEEN BLOCKWALLS AND COLUMNS/STANCHIONS ARE TO BE PROVIDED AT EVERY COURSE. TIES TO BE 6mm BAR STRAPS 700mm LONG INTO THE BLOCKWORK.

E5. MAXIMUM POUR HEIGHT FOR ALL FILLED BLOCKWORK TO BE 2 COURSES AT A TIME.

E6. ALL LOAD-BEARING SANDCRETE HOLLOW BLOCKWALLS TO HAVE A MINIMUM STRENGTH OF 2.76 N/MM2 OF NETT AREA OF BLOCKWALL AT 28 DAYS.

E7. BLOCKWORK INDICATED THUS ⊠ ON THESE DRAWINGS ARE LOAD BEARING AND ARE TO BE CONCRETE FILLED TO THE SPECIFIED OR SHOWN LEVEL(S) WITH CONCRETE AS IN D1 WITH 10MM MAXIMUM COARSE AGGREGATE SIZE.

E8. BLOCKWORK INDICATED THUS ⊠ ON DRAWINGS ARE LOAD BEARING, CONCRETE FILLED AS IN D1 WITH 10MM MAX. COARSE AGGREGATE SIZE, AND WITH CAVITIES REINFORCED AS SPECIFIED.

E9. CONCRETE FILLED LOAD-BEARING BLOCKWORKS ARE TO ACHIEVE A MINIMUM CRUSHING STRENGTH OF 6.5 N/MM2.

EARTHWORK

G1. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SHORING AND BRACING OF THE BUILDING EXCAVATIONS & EMBANKMENTS, INCLUDING EXCAVATION FOR UTILITIES, AND IS ALSO FULLY RESPONSIBLE FOR THE DESIGN & PERFORMANCE OF SHORING AND BRACING DURING CONSTRUCTION.

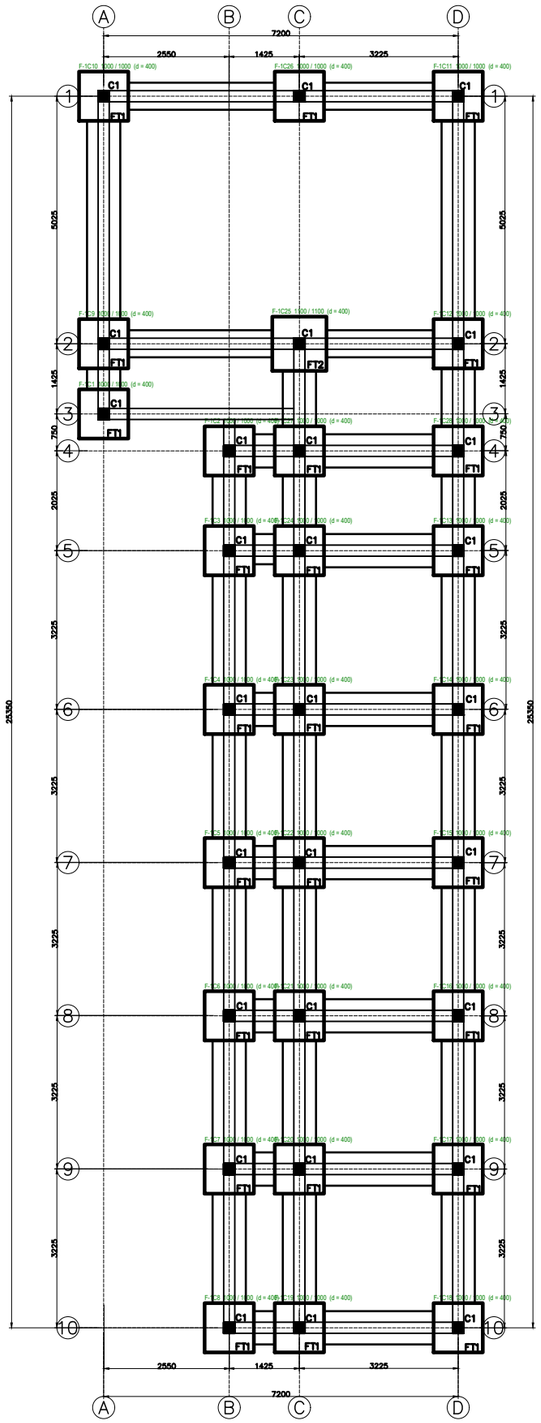
G2. CONTRACTOR SHALL COORDINATE THE EXTENT OF THE EXCAVATION, SHORING AND BRACING WITH CIVIL DRAWINGS. CONTRACTOR SHALL ALSO REFER TO CIVIL DRAWINGS, SPECIFICATIONS & GEOTECHNICAL REPORT FOR DEWATERING AND RELATED INFORMATION NOT COVERED IN THE STRUCTURAL DRAWINGS.

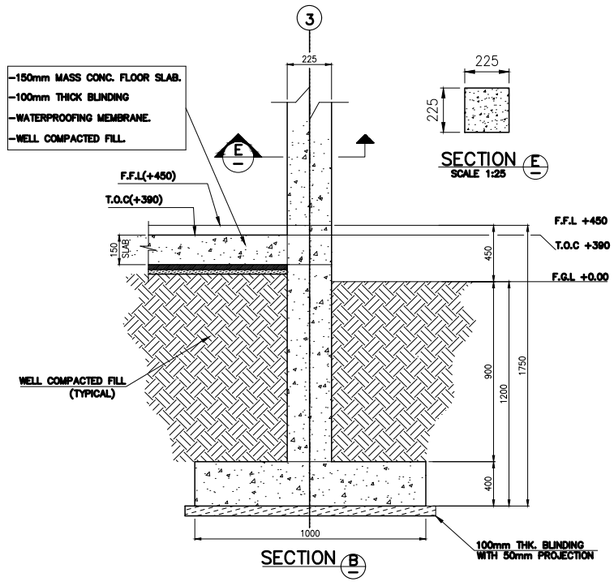
G3. EARTHWORK COMPACTION SHALL BE IN ACCORDANCE WITH CIVIL DRAWINGS AND SPECIFICATIONS AS WELL AS WITH THE GEOTECHNICAL REPORT.

SITE PREPARATION

J1. REMOVE ALL EXISTING TOPSOIL UNDER SLABS, PROVIDE 150mm WELL RAMMED

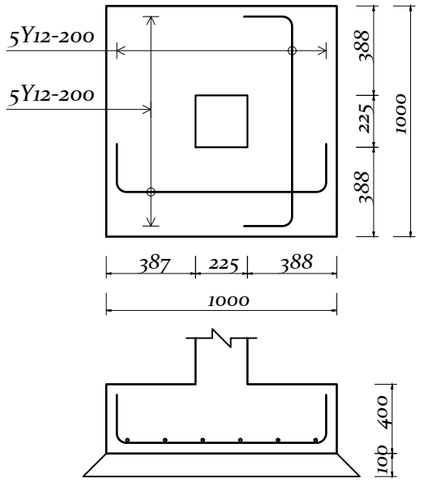
J2. WHERE BAD GROUND IS ENCOUNTERED BELOW FOUNDATION LEVEL, THE DIFFERENCE IN LEVEL BETWEEN APPROVED BEARING STRATUM AND ORIGINAL LEVEL IS TO BE MADE UP USING MASS CONCRETE TO THE APPROVAL OF THE SUPERVISING ENGINEER.





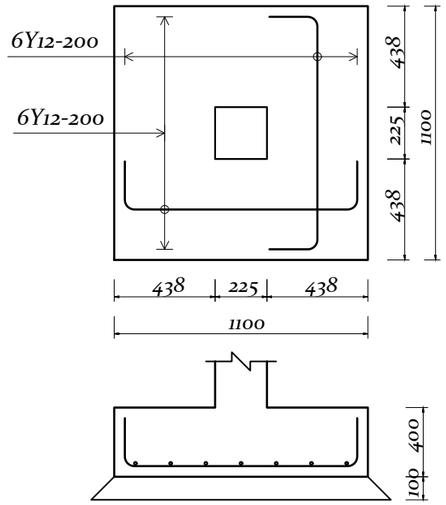
FOUNDATION/GROUND FLOOR LAYOUT

CLIENT: **PERSONAL PROJECT**	NOTES: • All dimension are in 'mm' except stated otherwise • Do not scale drawings • All drawings should be read in conjuction with other relevant drawings • Depth of Foundation to be determined on site	PROJECT: **SELF DEVELOPMENT**	TITLE: STRUCTURAL DRAWINGS DRWG. TITLE: FOUNDATION LAYOUT ENGR. AYOOLA / ENGR. TAIWO.I / ENGR. TAIWO DESIGNED BY: / CHECKED BY: / APPROVED BY: DRAWN: AYOOLA.S / DATE: / SCALE: 1:100 / SHT. 01 DWG. No: / REV:
			CONSULTING ENGINEERS: H.I.B.E.C



FT1

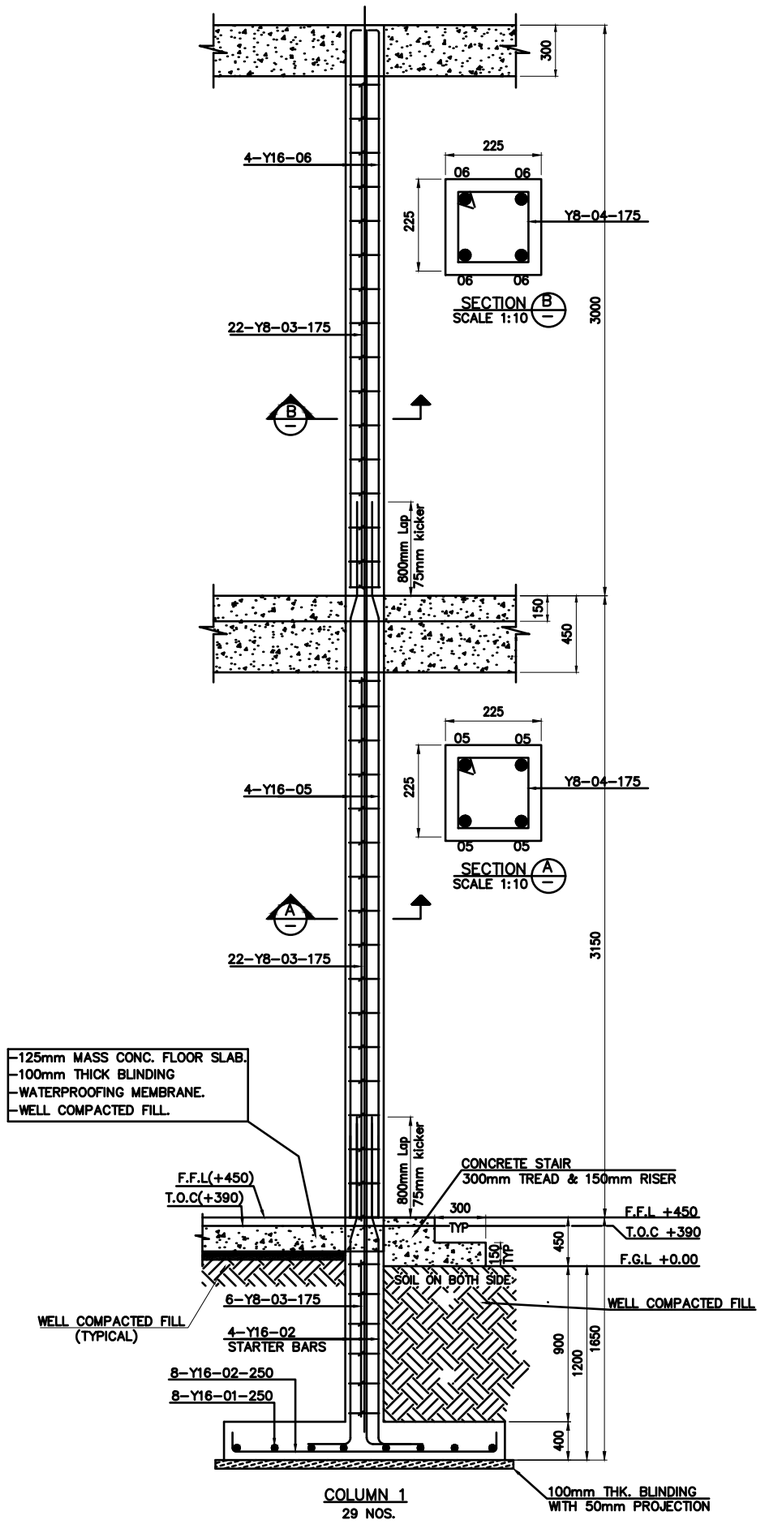
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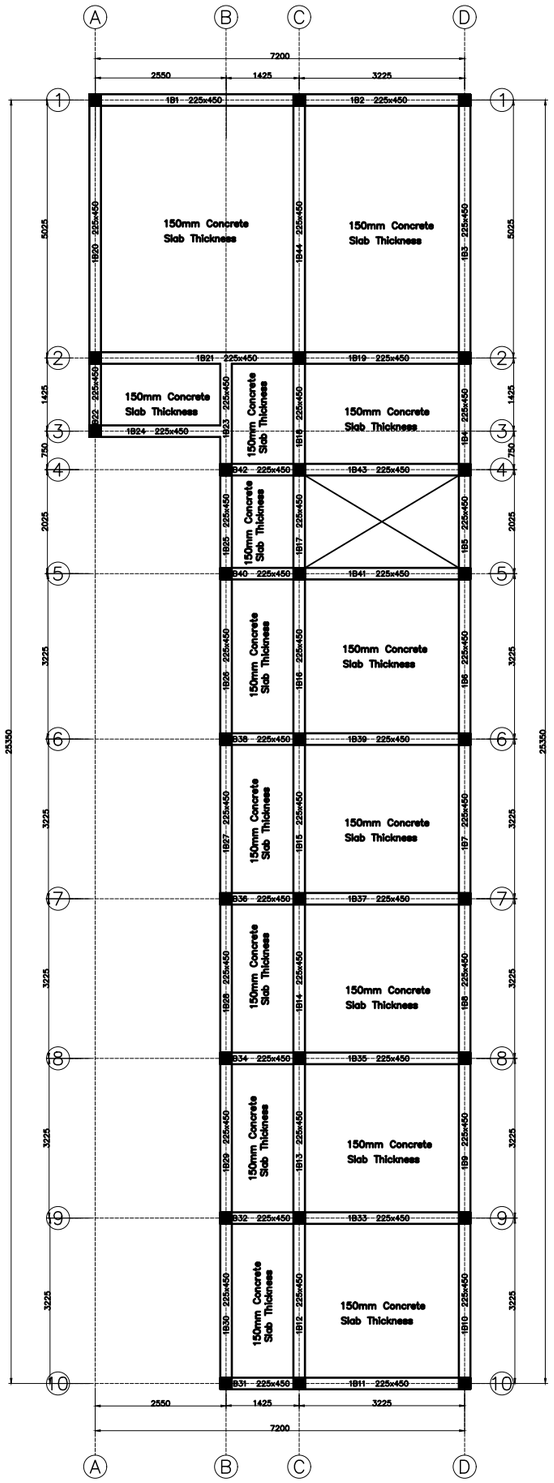
FT2

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		TITLE: STRUCTURAL DRAWINGS	
CLIENT: **PERSONAL PROJECT**	NOTES: • All dimension are in 'mm' except stated otherwise • Do not scale drawings • All drawings should be read in conjuction with other relevant drawings • Depth of Foundation to be determined on site	PROJECT: **SELF DEVELOPMENT**	DRWG. TITLE: R.C PAD BASE DETAILS ENGR. AYOOLA / ENGR. TAIWO .I / ENGR. TAIWO .I DESIGNED BY: / CHECKED BY: / APPROVED BY: DRAWN: AYOOLA . S / DATE: / SCALE: 1:100 / SHT. 02 DWG. No: / REV:	CONSULTING ENGINEERS: **H.I.B.E.C**

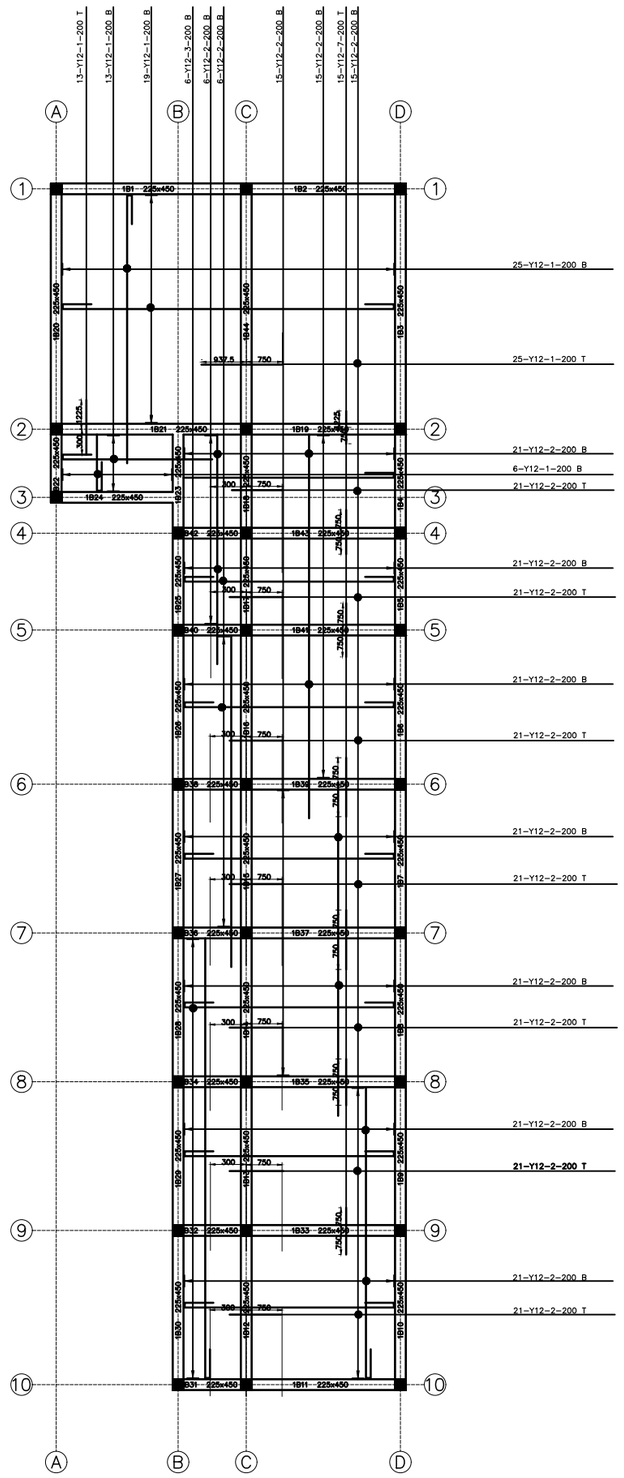


CLIENT: PERSONAL PROJECT	NOTES: • All dimension are in 'mm' except stated otherwise • Do not scale drawings • All drawings should be read in conjuction with other relevant drawings • Depth of Foundation to be determined on site	PROJECT: SELF DEVELOPMENT	TITLE: STRUCTURAL DRAWINGS DRWG. TITLE: COLUMN DETAIL ENGR. AYOOLA / ENGR.TAIWO.I / ENGR.TAIWO.I DESIGNED BY: / CHECKED BY: / APPROVED BY: DRAWN: AYOOLA.S / DATE: / SCALE: 1:100 / SHT. 03 DWG. No: / REV:
			CONSULTING ENGINEERS: H.I.B.E.C

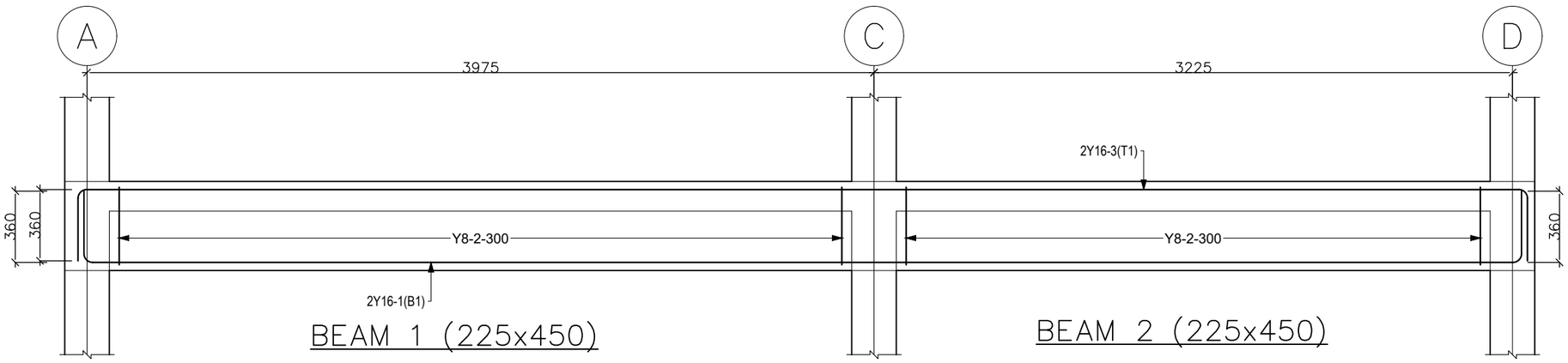


FLOOR BEAM AND COLUMN LAYOUT

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			CONSULTING ENGINEERS: H.I.B.E.C

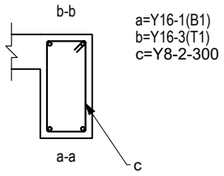


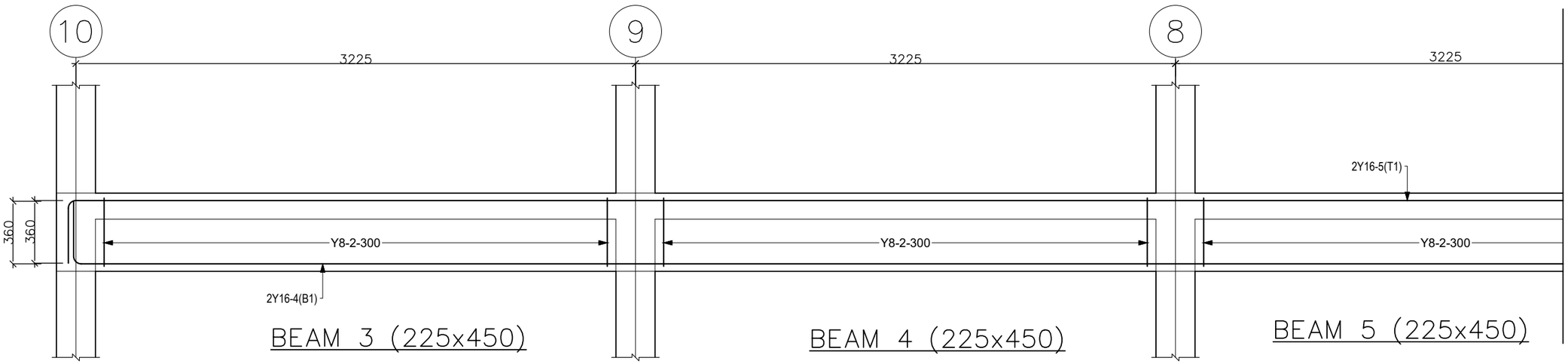
CLIENT: **PERSONAL PROJECT**	NOTES: • All dimension are in 'mm' except stated otherwise • Do not scale drawings • All drawings should be read in conjuction with other relevant drawings • Depth of Foundation to be determined on site	PROJECT: **SELF DEVELOPMENT**	TITLE: STRUCTURAL DRAWINGS DRWG. TITLE: RC SLAB DETAILING ENGR. AYOOLA | ENGR.TAIWO.I | ENGR.TAIWO.I DESIGNED BY: | CHECKED BY: | APPROVED BY: DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 05 DWG. No: | REV:
			CONSULTING ENGINEERS: H.I.B.E.C



BEAM 1 (225x450)

BEAM 2 (225x450)

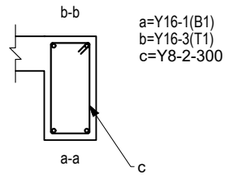


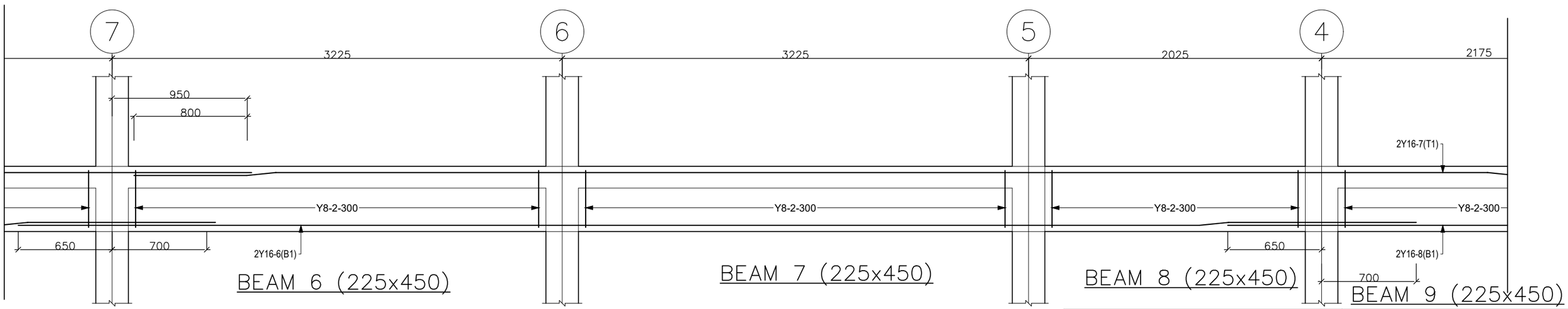


BEAM 3 (225x450)

BEAM 4 (225x450)

BEAM 5 (225x450)





BEAM 6 (225x450)

BEAM 7 (225x450)

BEAM 8 (225x450)

BEAM 9 (225x450)

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PROJECT:

SELF DEVELOPMENT

TITLE:

STRUCTURAL DRAWINGS

DRWG. TITLE:

R.C DETAIL OF FLOOR BEAM

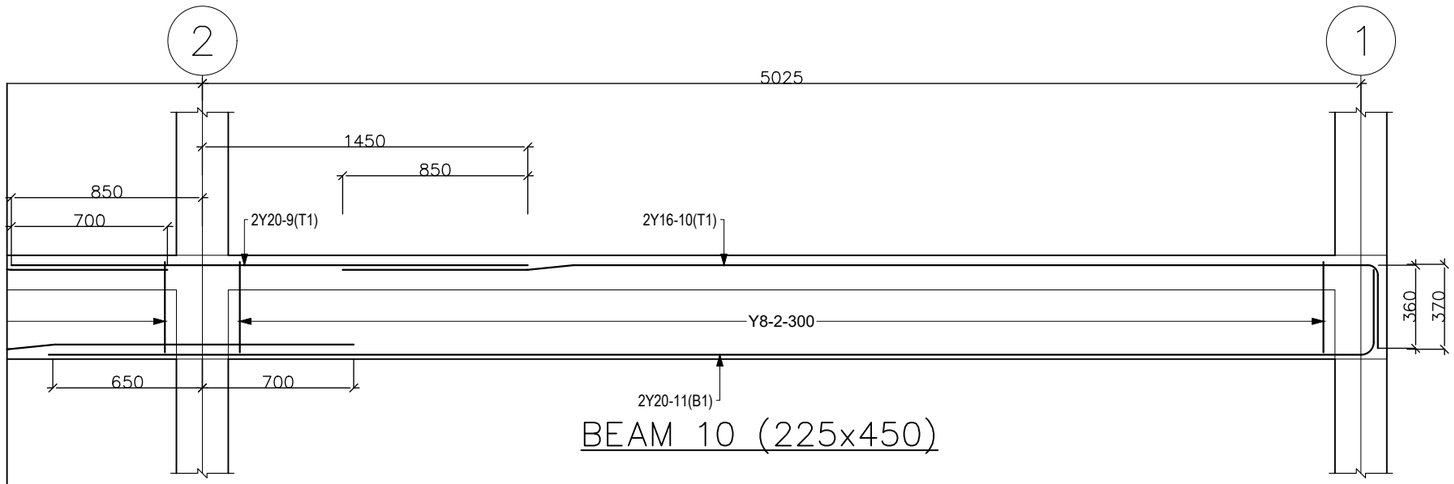
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DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 06

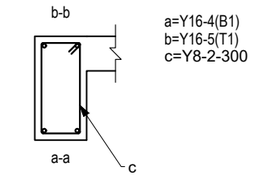
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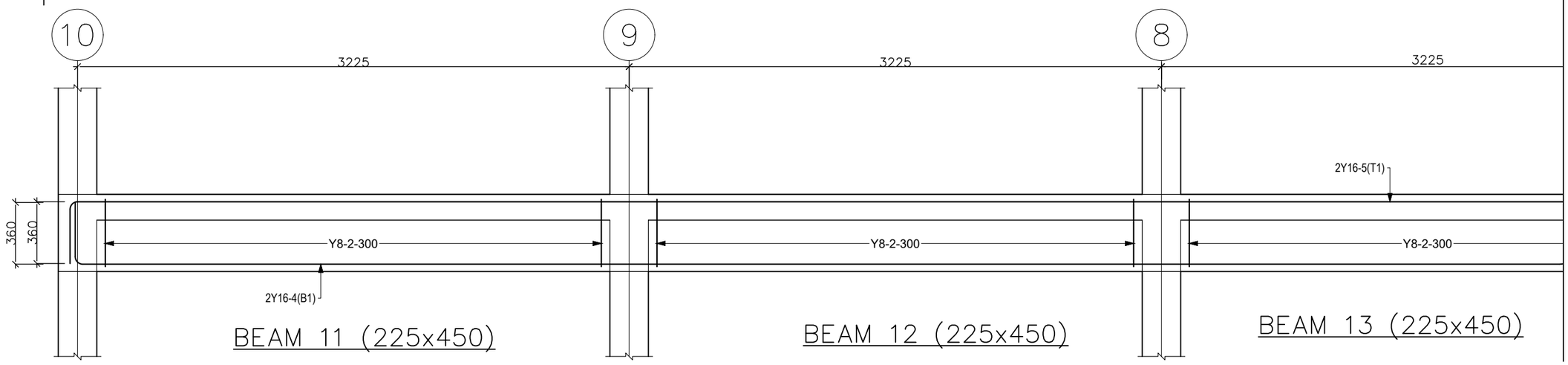
H.I.B.E.C



BEAM 10 (225x450)



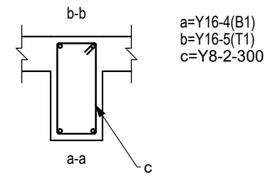
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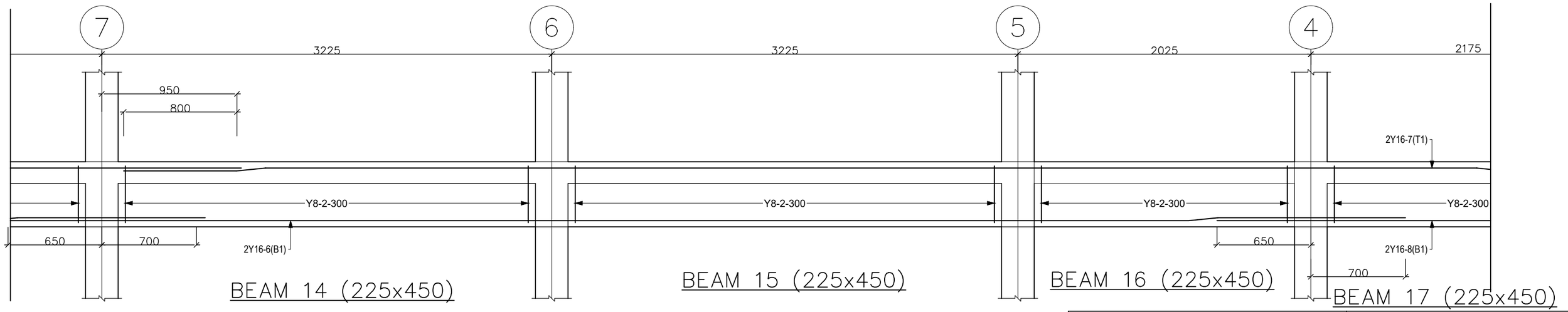
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BEAM 12 (225x450)

BEAM 13 (225x450)



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BEAM 14 (225x450)

BEAM 15 (225x450)

BEAM 16 (225x450)

BEAM 17 (225x450)

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PERSONAL PROJECT

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PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF FLOOR BEAM

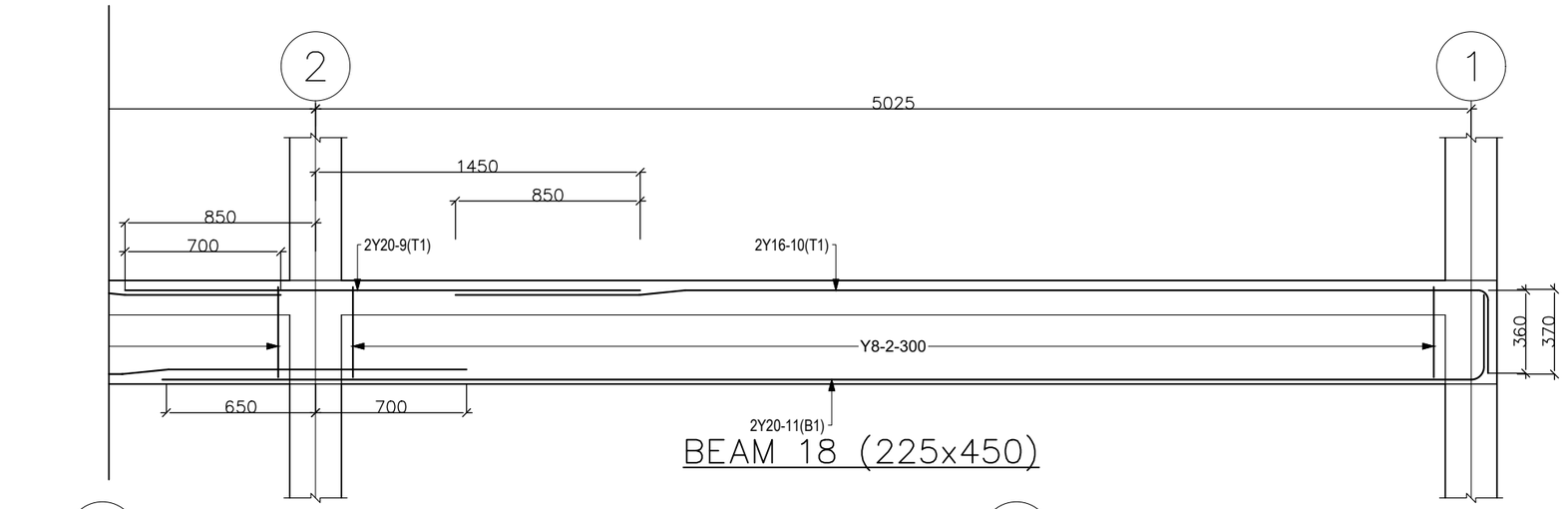
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 07

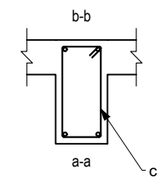
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CONSULTING ENGINEERS:

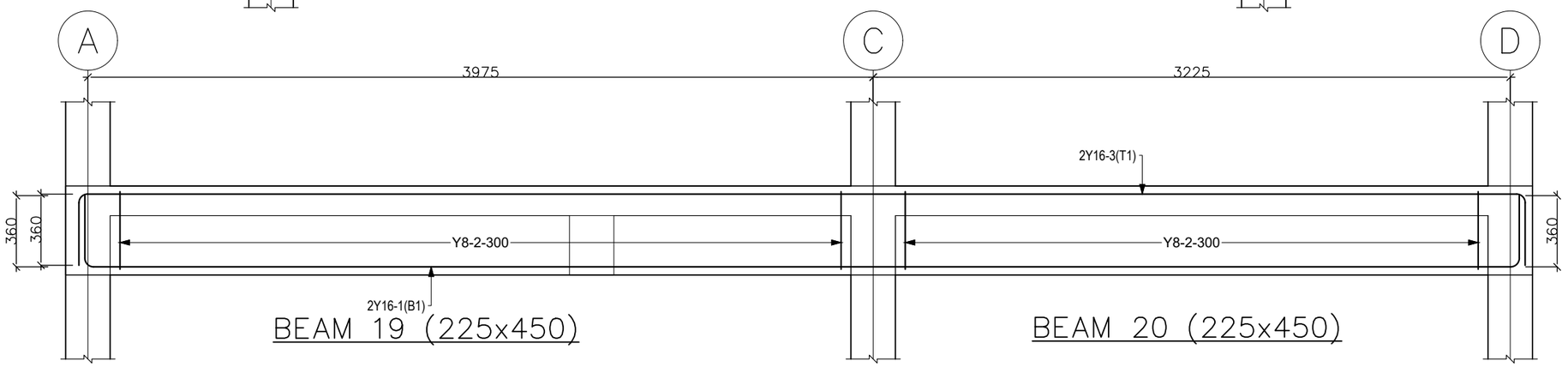
H.I.B.E.C



BEAM 18 (225x450)

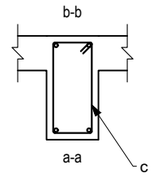


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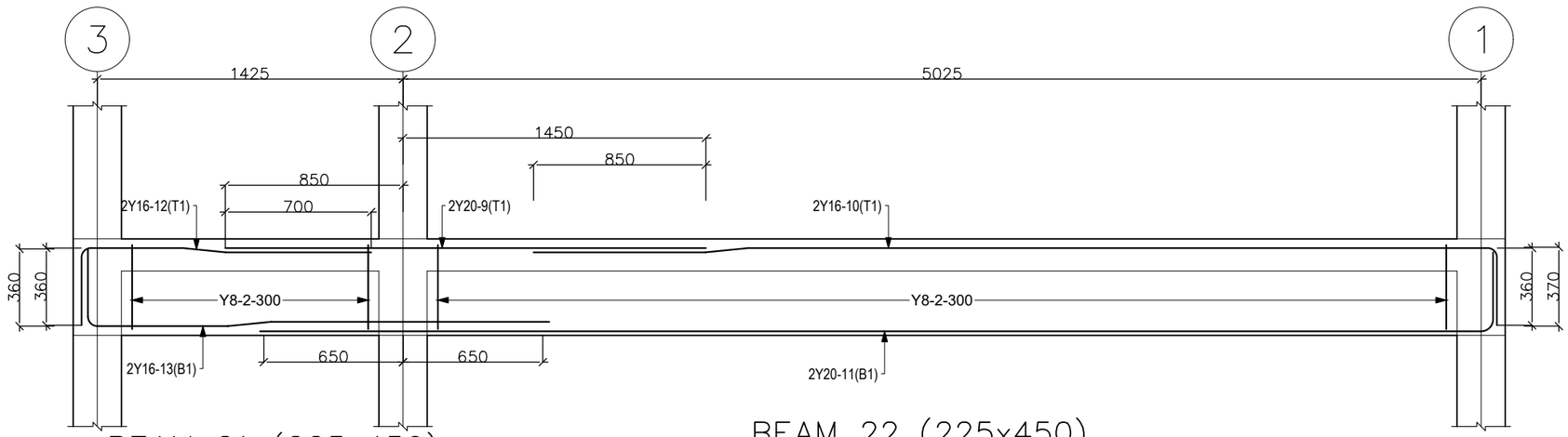


BEAM 19 (225x450)

BEAM 20 (225x450)

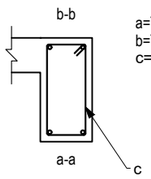


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BEAM 21 (225x450)

BEAM 22 (225x450)



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c=Y8-2-300

CLIENT:

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PROJECT:

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DRWG. TITLE: R.C DETAIL OF FLOOR BEAM

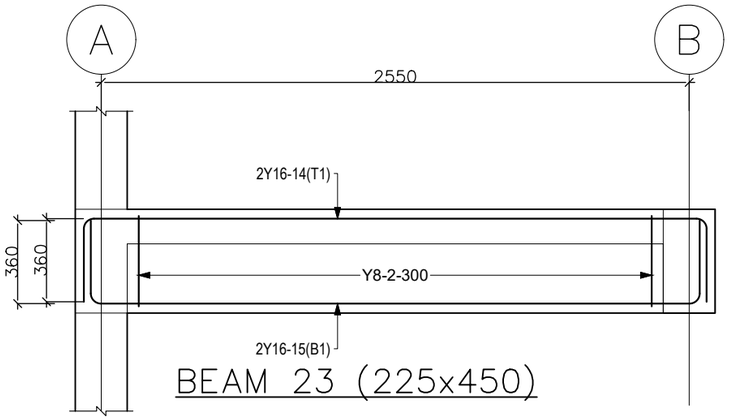
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DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 08

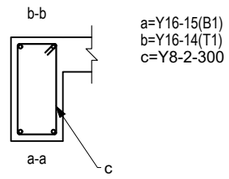
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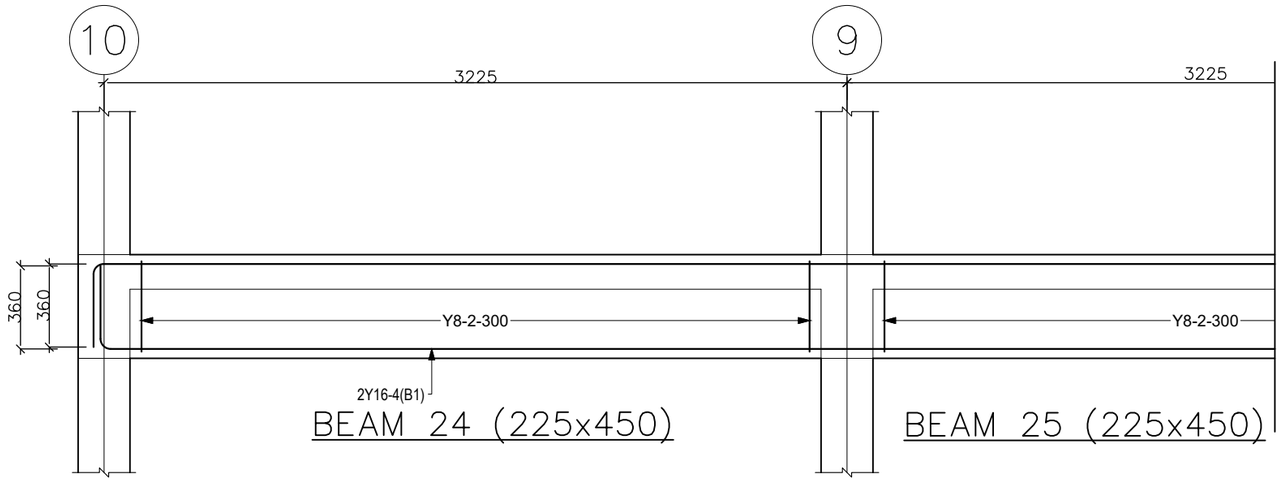
H.I.B.E.C



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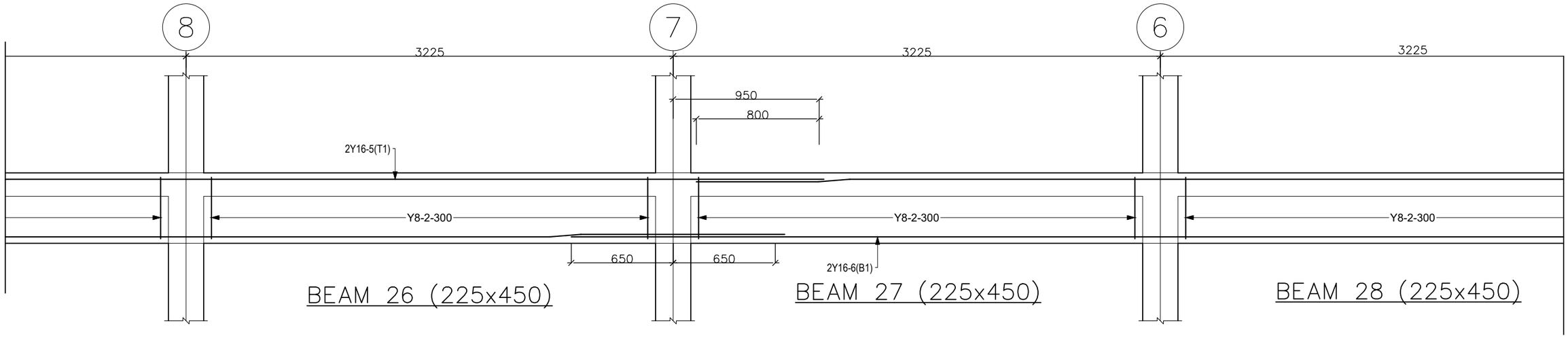


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BEAM 24 (225x450)

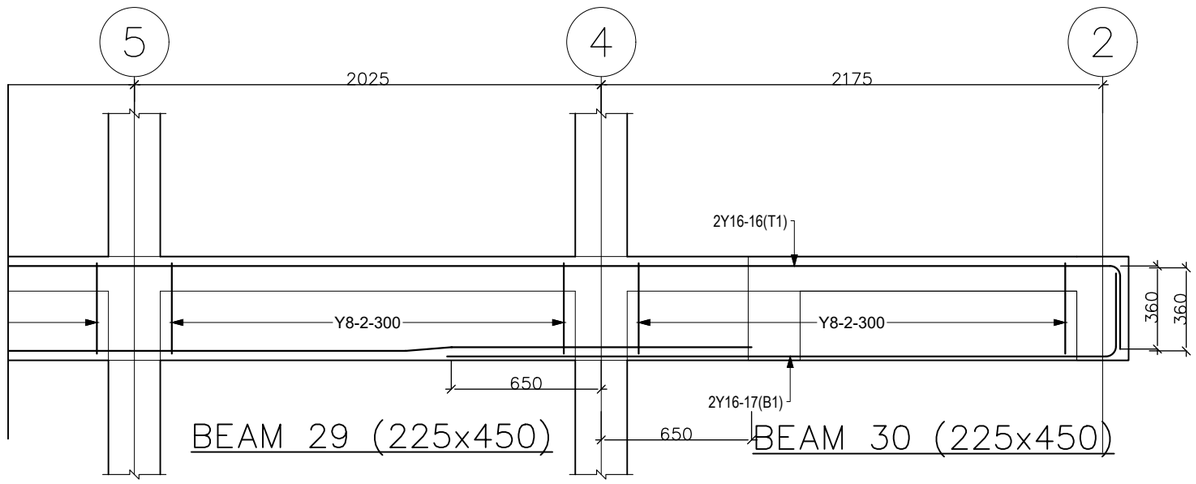
BEAM 25 (225x450)



BEAM 26 (225x450)

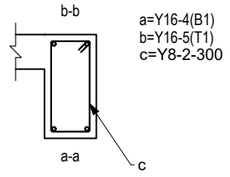
BEAM 27 (225x450)

BEAM 28 (225x450)



BEAM 29 (225x450)

BEAM 30 (225x450)



a=Y16-4(B1)
b=Y16-5(T1)
c=Y8-2-300

CLIENT:

PERSONAL PROJECT

NOTES:
- All dimension are in 'mm' except stated otherwise
- Do not scale drawings
- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF FLOOR BEAM

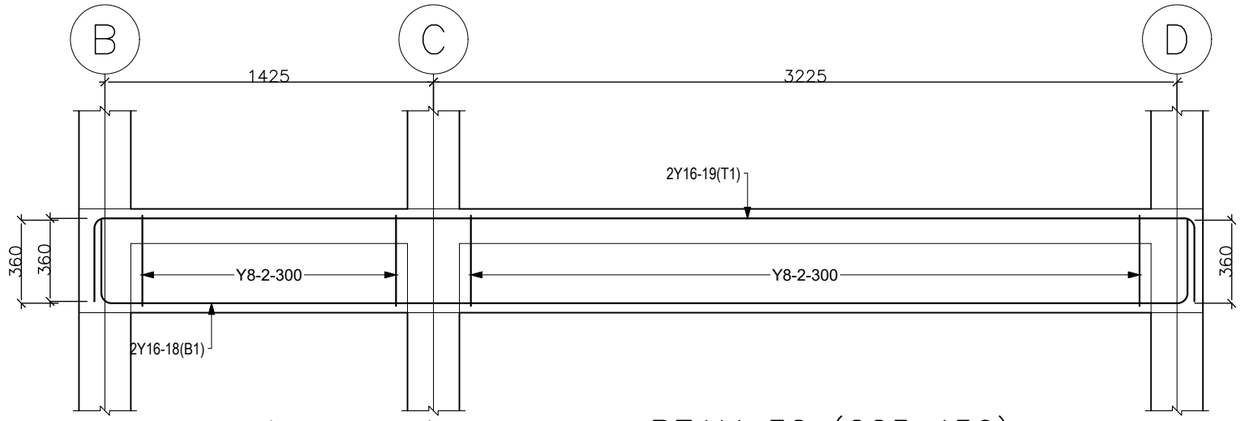
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 09

DWG. No: | REV:

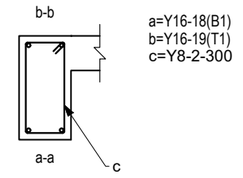
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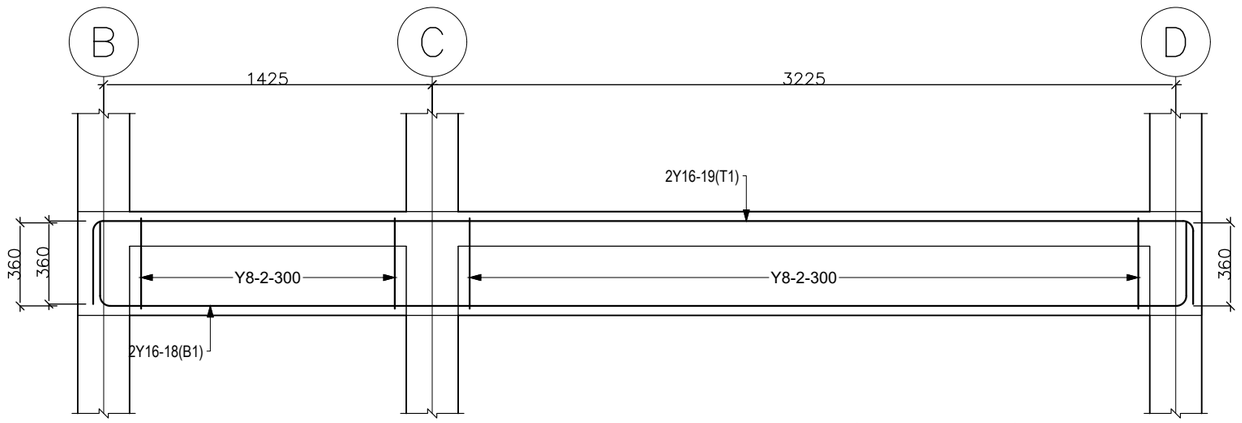
H.I.B.E.C



BEAM 31 (225x450)

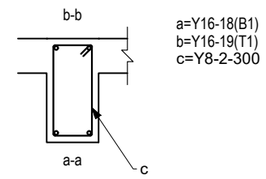
BEAM 32 (225x450)

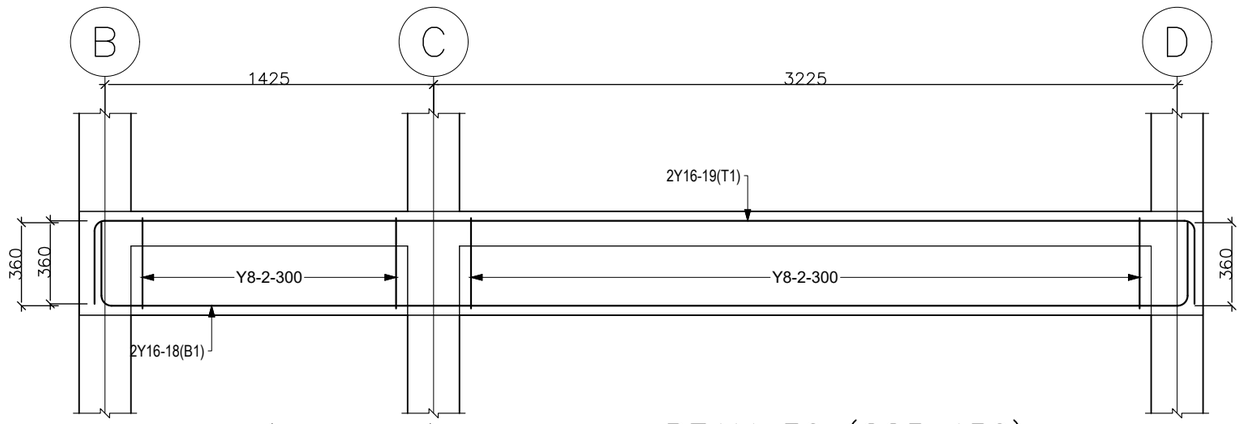




BEAM 33 (225x450)

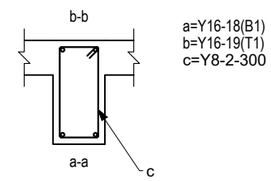
BEAM 34 (225x450)





BEAM 35 (225x450)

BEAM 36 (225x450)



CLIENT:

PERSONAL PROJECT

NOTES:
- All dimension are in 'mm' except stated otherwise
- Do not scale drawings
- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF FLOOR BEAM

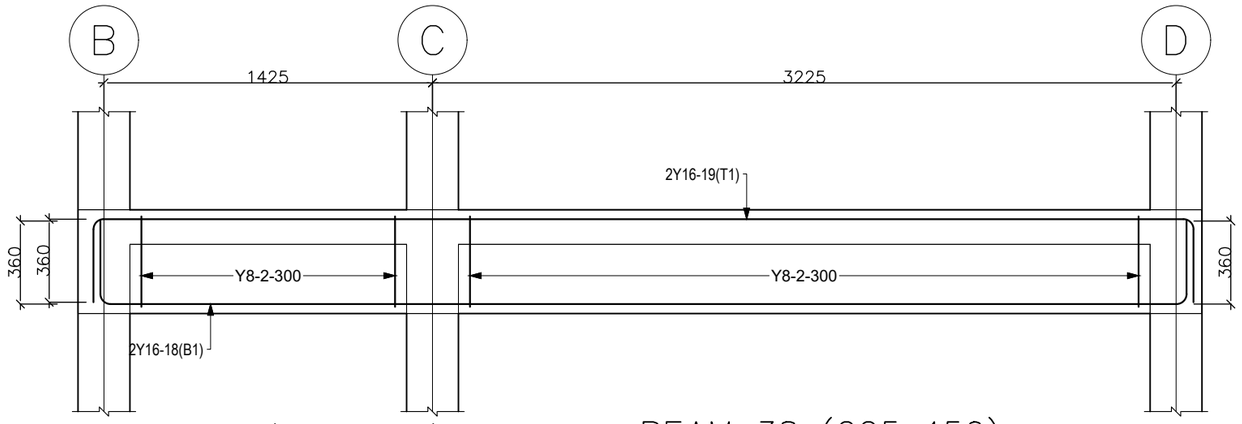
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 10

DWG. No: | REV:

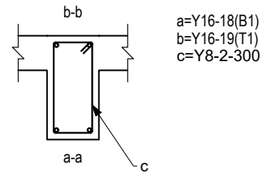
CONSULTING ENGINEERS:

H.I.B.E.C

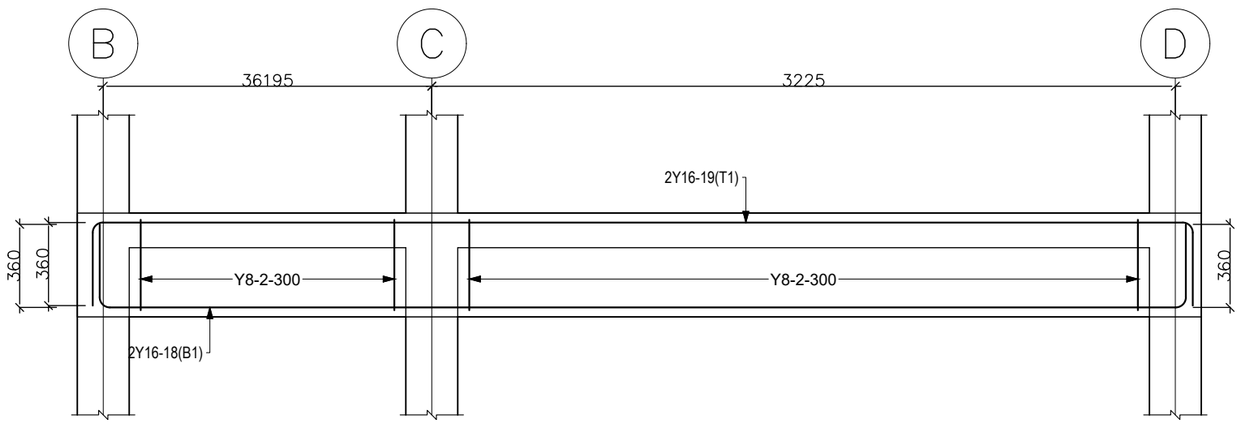


BEAM 37 (225x450)

BEAM 38 (225x450)

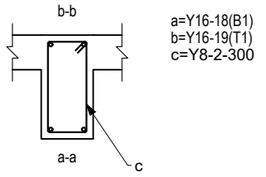


a=Y16-18(B1)
b=Y16-19(T1)
c=Y8-2-300



BEAM 39 (225x450)

BEAM 40 (225x450)



a=Y16-18(B1)
b=Y16-19(T1)
c=Y8-2-300

CLIENT:

PERSONAL PROJECT

NOTES:

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- Do not scale drawings
- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF FLOOR BEAM

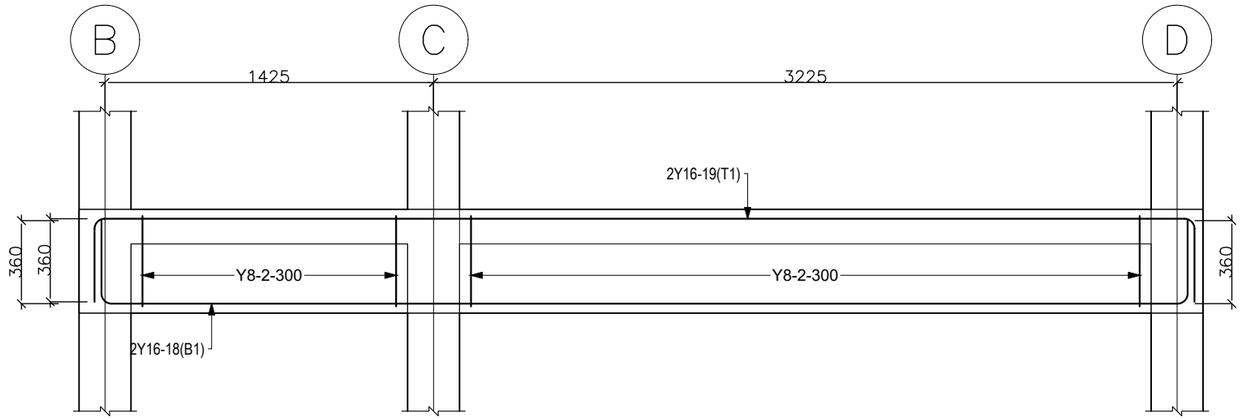
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 11

DWG. No: | REV:

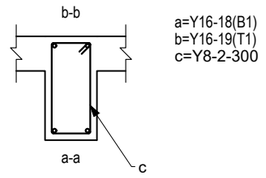
CONSULTING ENGINEERS:

H.I.B.E.C

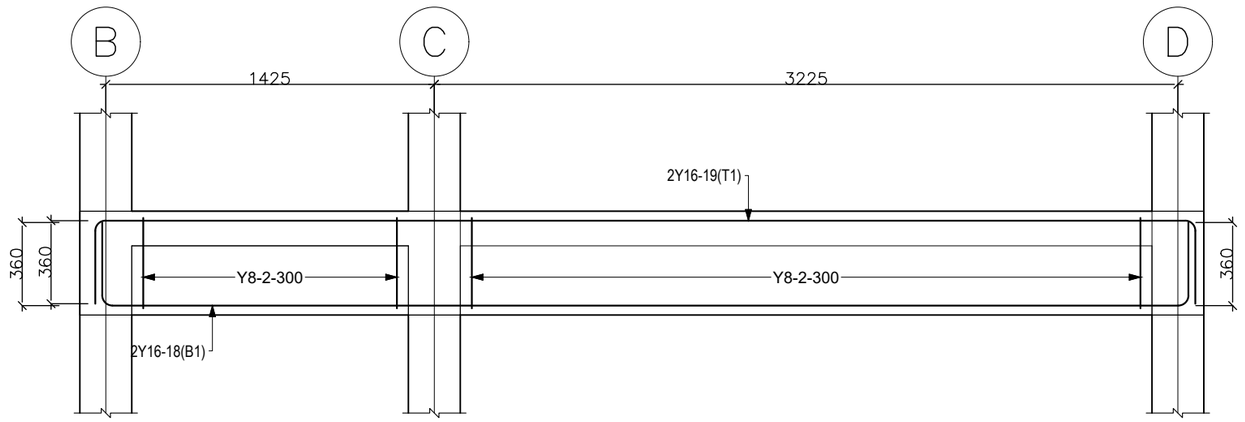


BEAM 41 (225x450)

BEAM 42 (225x450)

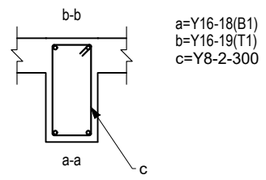


a=Y16-18(B1)
b=Y16-19(T1)
c=Y8-2-300



BEAM 43 (225x450)

BEAM 44 (225x450)



a=Y16-18(B1)
b=Y16-19(T1)
c=Y8-2-300

CLIENT:

PERSONAL PROJECT

NOTES:
- All dimension are in 'mm' except stated otherwise
- Do not scale drawings
- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF FLOOR BEAM

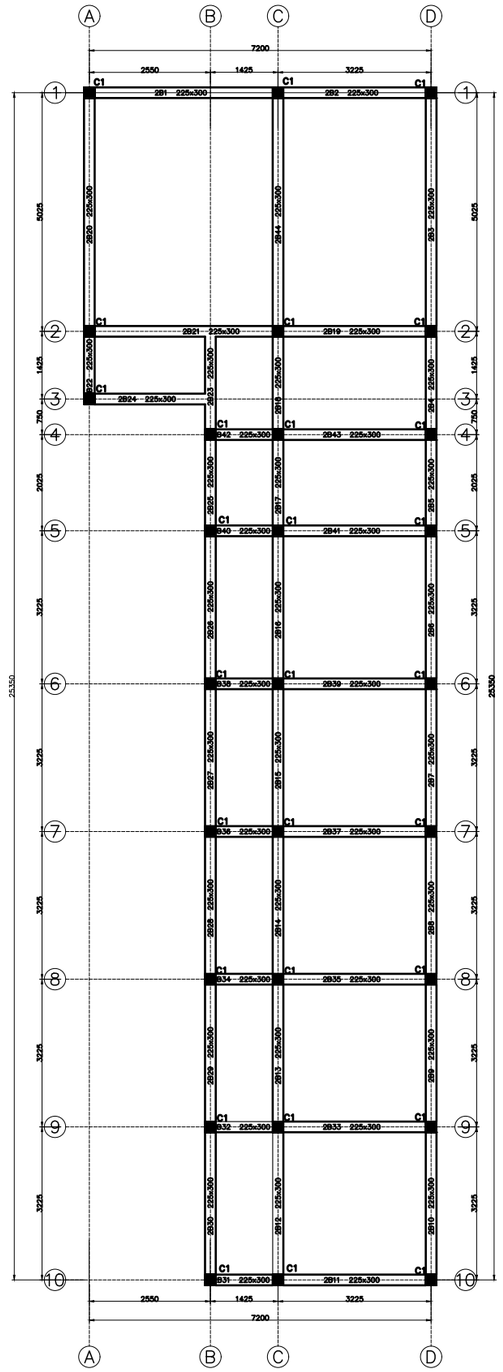
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 12

DWG. No: | REV:

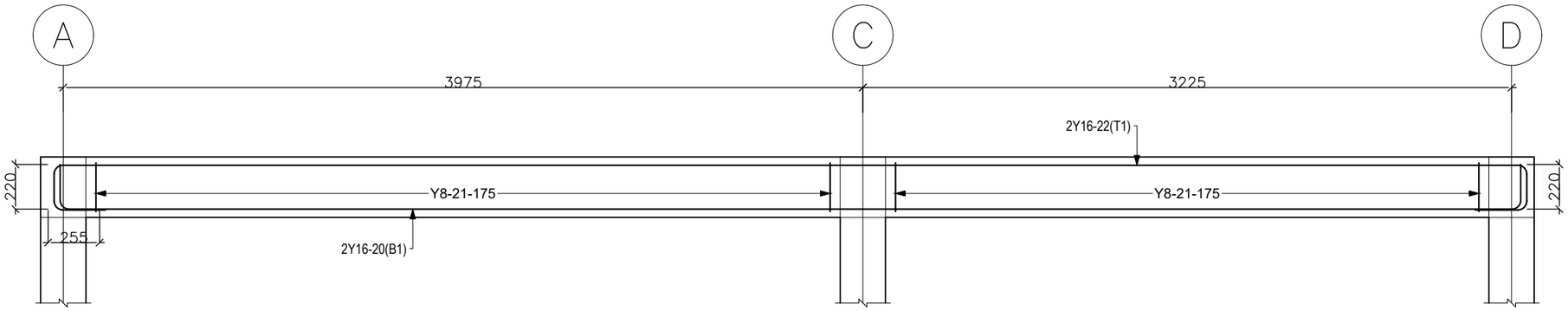
CONSULTING ENGINEERS:

H.I.B.E.C



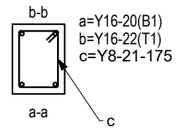
ROOF BEAM AND COLUMN LAYOUT

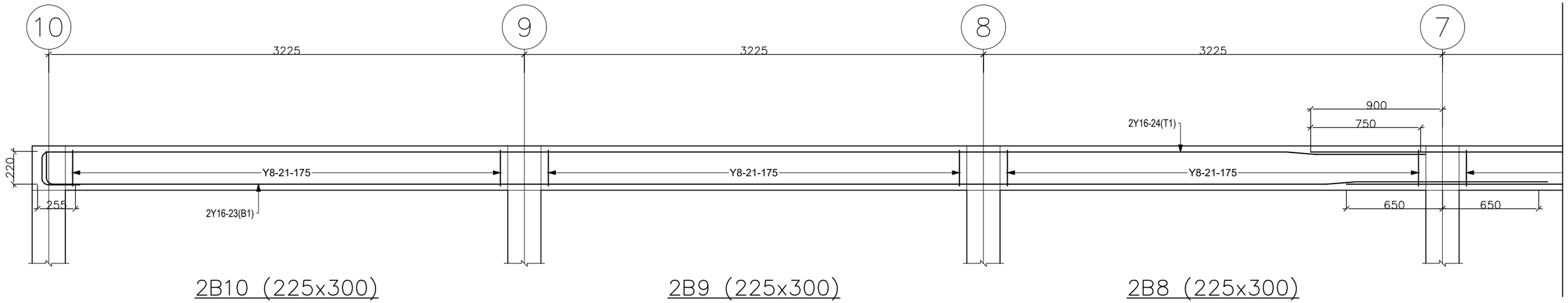
CLIENT: **PERSONAL PROJECT**	NOTES: • All dimension are in 'mm' except stated otherwise • Do not scale drawings • All drawings should be read in conjuction with other relevant drawings • Depth of Foundation to be determined on site	PROJECT: **SELF DEVELOPMENT**	TITLE: STRUCTURAL DRAWINGS DRWG. TITLE: ROOF BEAM AND COLUMN LAYOUT ENGR. AYOOLA | ENGR. TAIWO .I | ENGR. TAIWO .I DESIGNED BY: | CHECKED BY: | APPROVED BY: DRAWN: AYOOLA . S | DATE: | SCALE: 1:100 | SHT. 13 DWG. No: | REV:	CONSULTING ENGINEERS: H.I.B.E.C



2B1 (225x300)

2B2 (225x300)

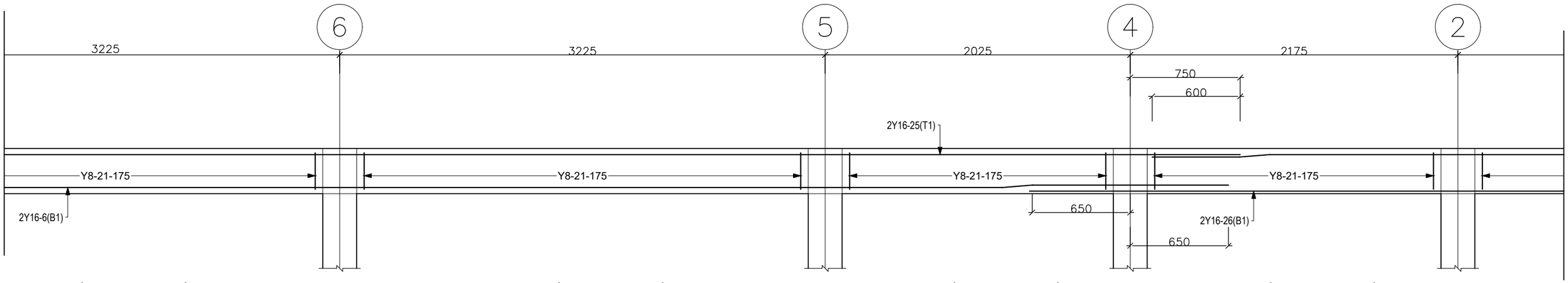




2B10 (225x300)

2B9 (225x300)

2B8 (225x300)



2B7 (225x300)

2B6 (225x300)

2B5 (225x300)

2B4 (225x300)

CLIENT:

PERSONAL PROJECT

NOTES:

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- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF ROOF BEAM

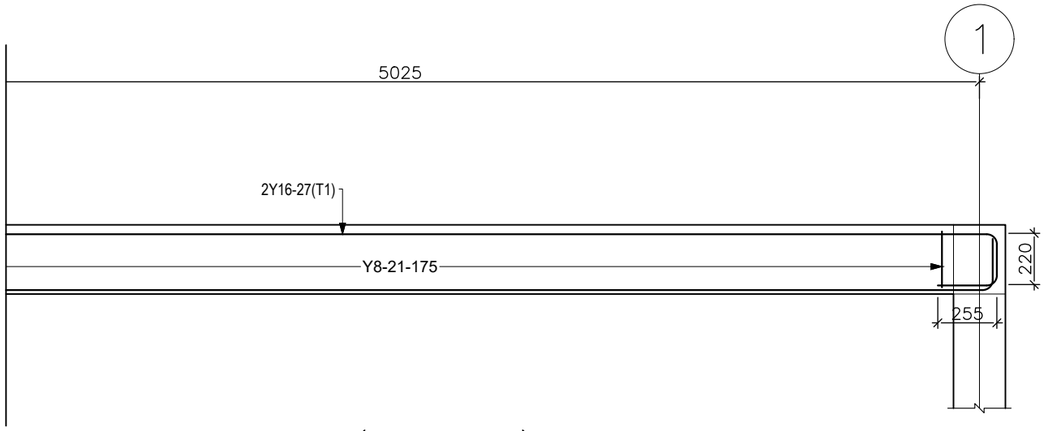
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 14

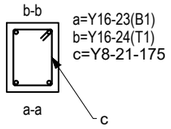
DWG. No: | REV:

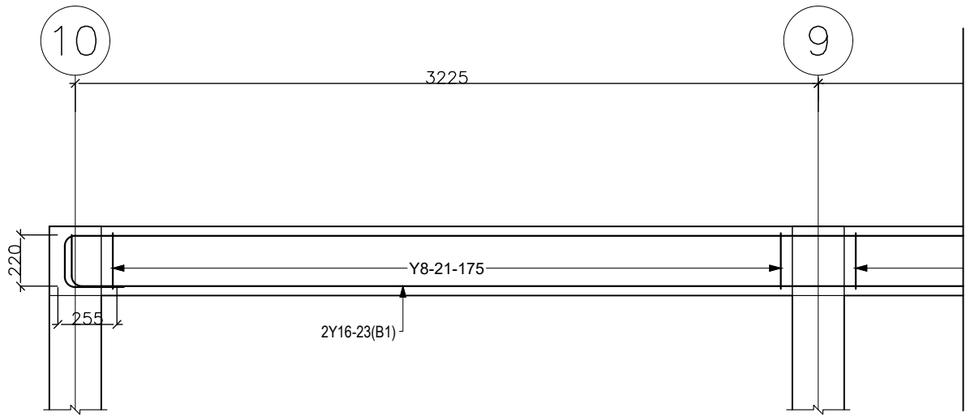
CONSULTING ENGINEERS:

H.I.B.E.C

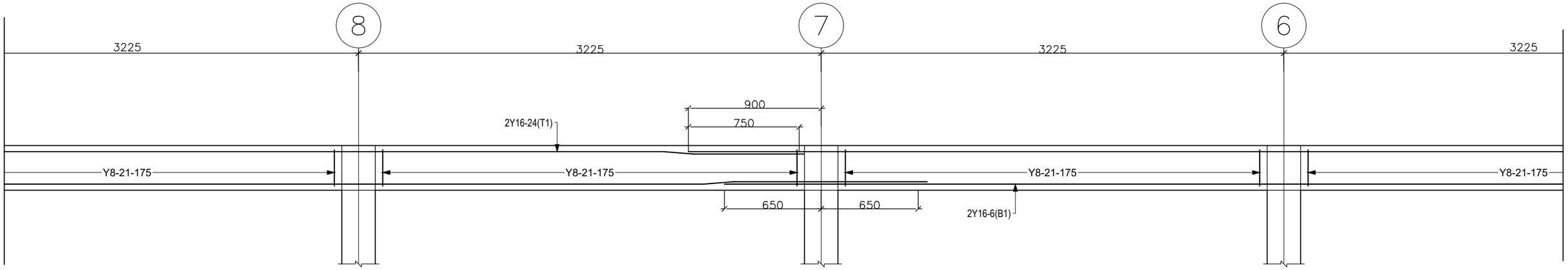


2B3 (225x300)





2B12 (225x300)

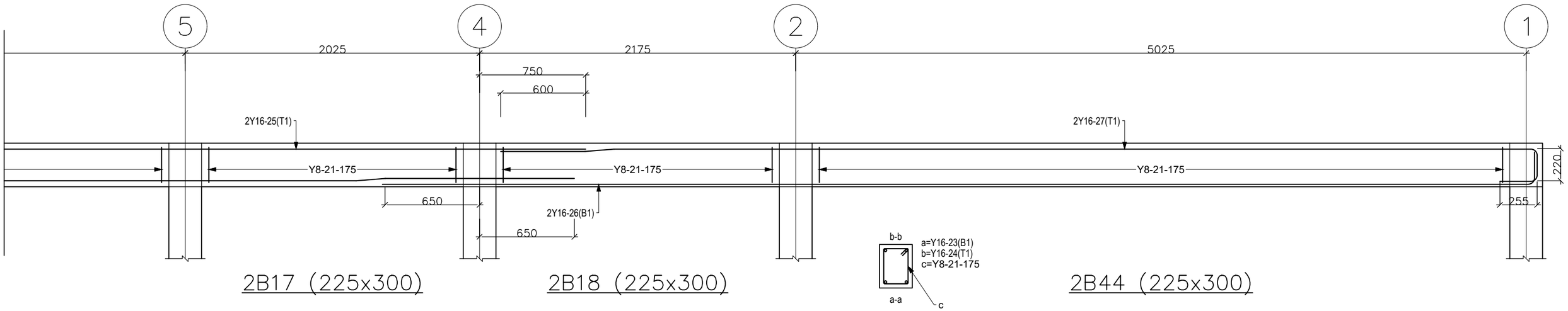


2B13 (225x300)

2B14 (225x300)

2B15 (225x300)

2B16 (225x300)



2B17 (225x300)

2B18 (225x300)

2B44 (225x300)

CLIENT:

PERSONAL PROJECT

NOTES:
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- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF ROOF BEAM

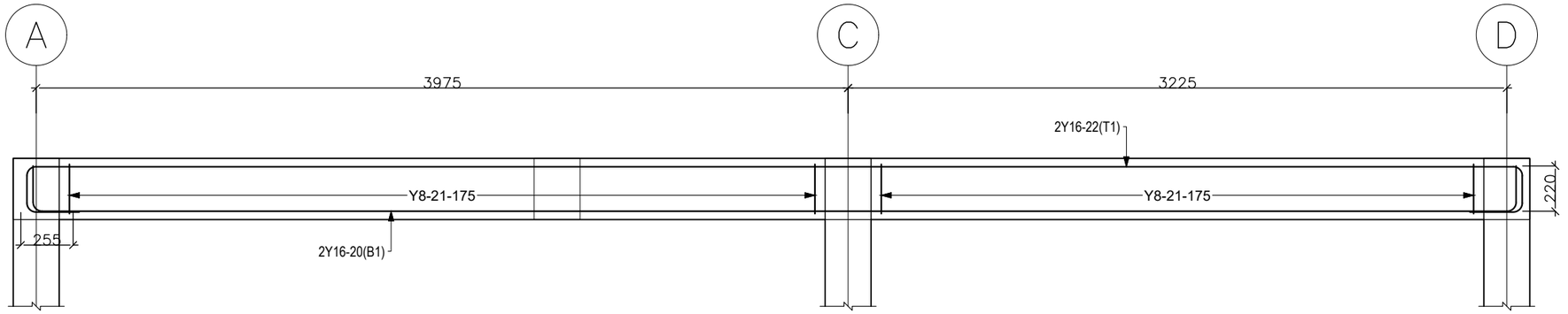
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

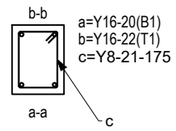
DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 15

DWG. No: | REV:

CONSULTING ENGINEERS:

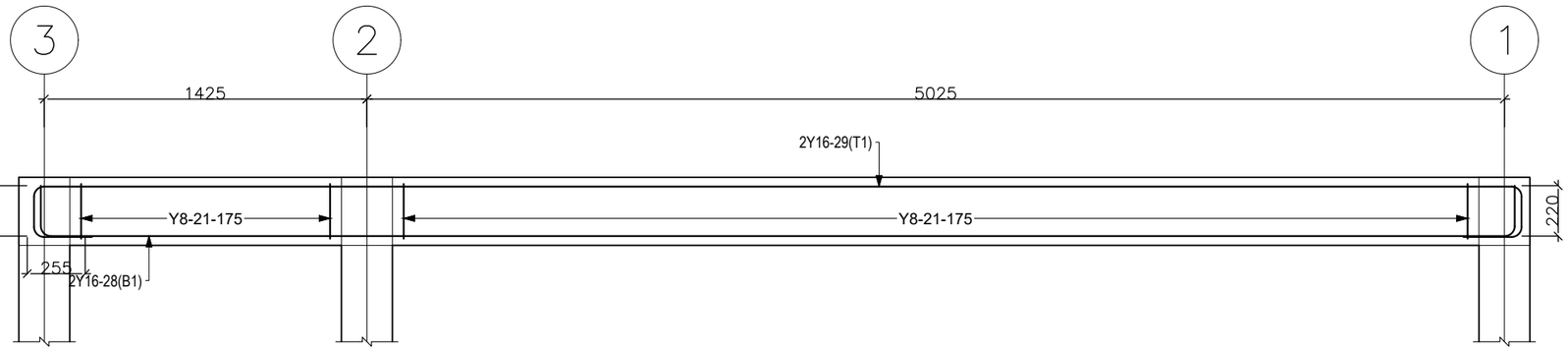
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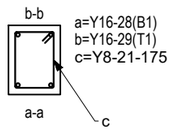




2B21 (225x300)

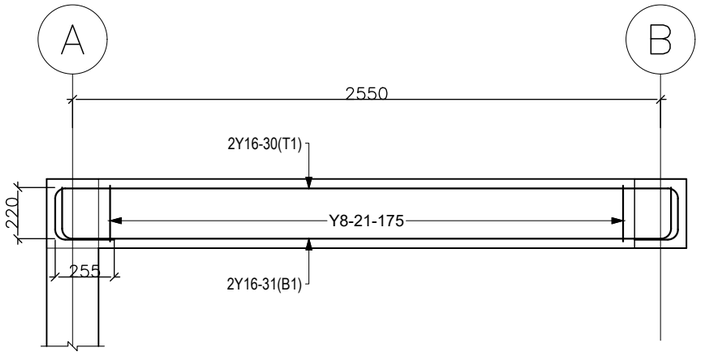
2B19 (225x300)

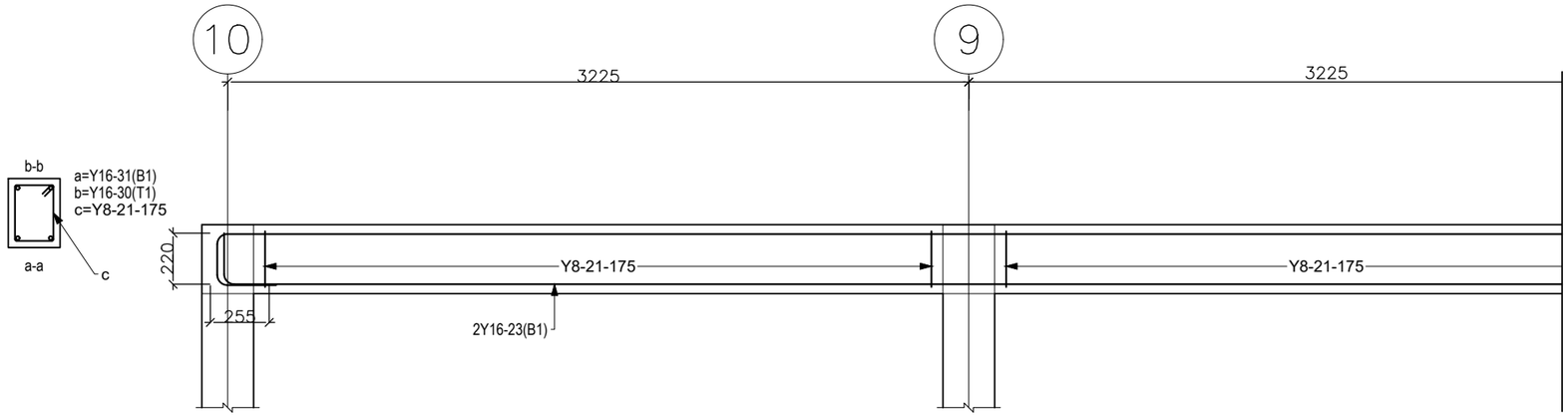




2B22 (225x300)

2B20 (225x300)





2B24 (225x300)

2B30 (225x300)

2B29 (225x300)

CLIENT:

PERSONAL PROJECT

NOTES:
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- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF ROOF BEAM

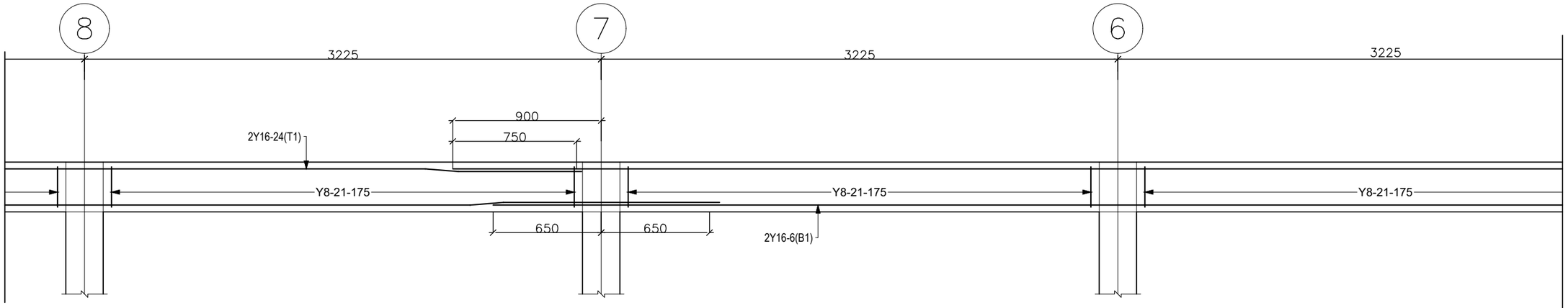
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 16

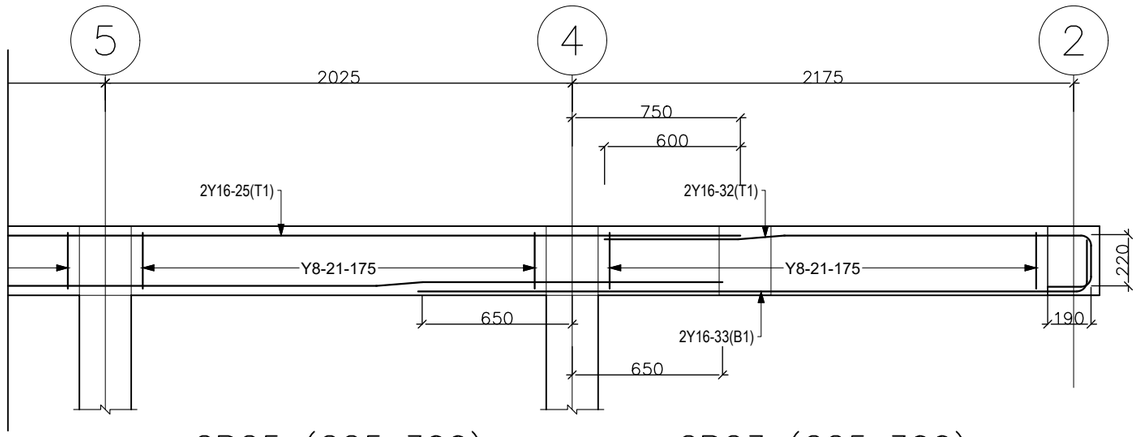
DWG. No: | REV:

CONSULTING ENGINEERS:

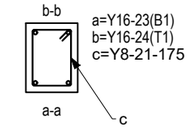
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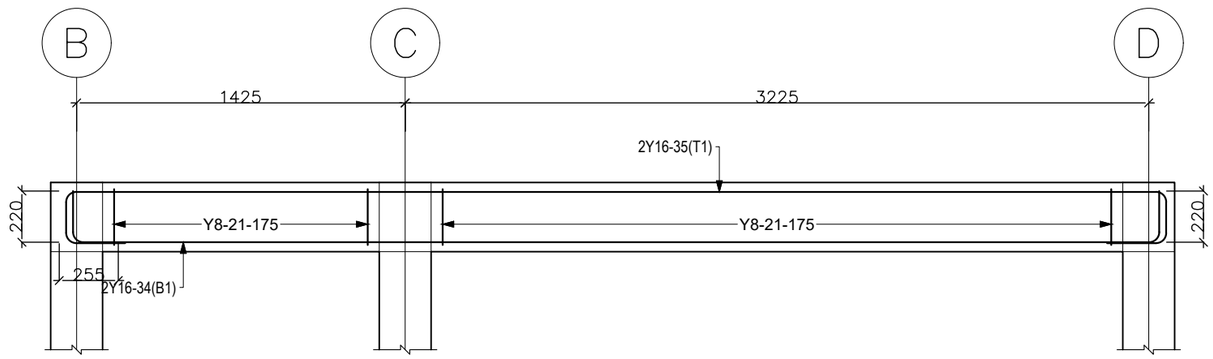


2B28 (225x300) 2B27 (225x300) 2B26 (225x300)

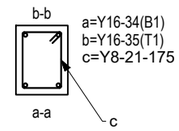


2B25 (225x300) 2B23 (225x300)





2B31 (225x300) 2B11 (225x300)



CLIENT:

PERSONAL PROJECT

NOTES:
- All dimension are in 'mm' except stated otherwise
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- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF ROOF BEAM

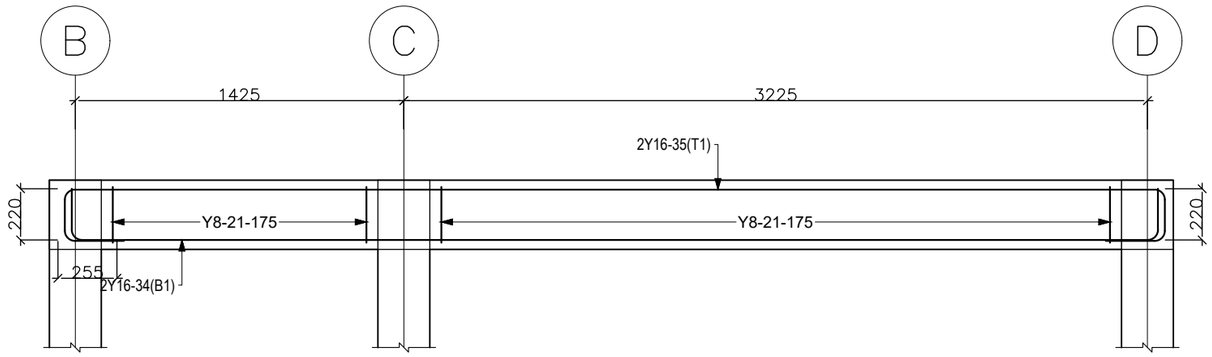
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 17

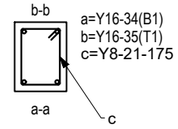
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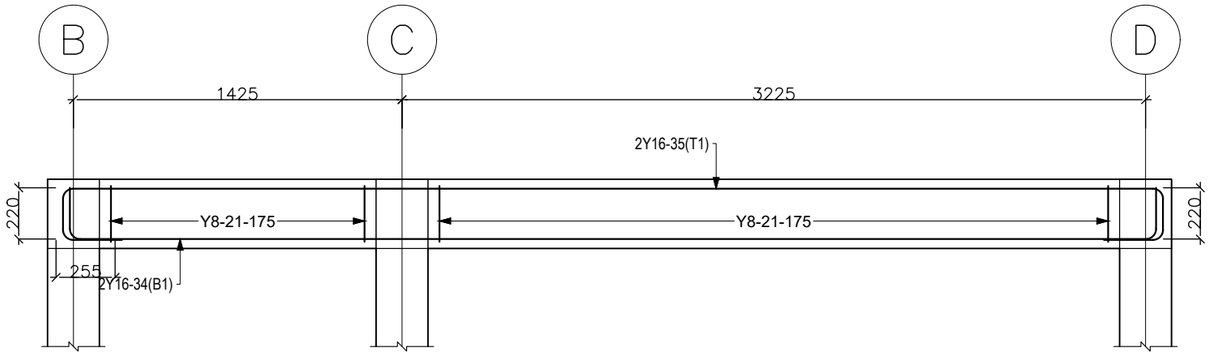
H.I.B.E.C



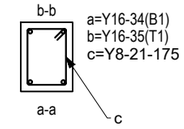
2B32 (225x300)



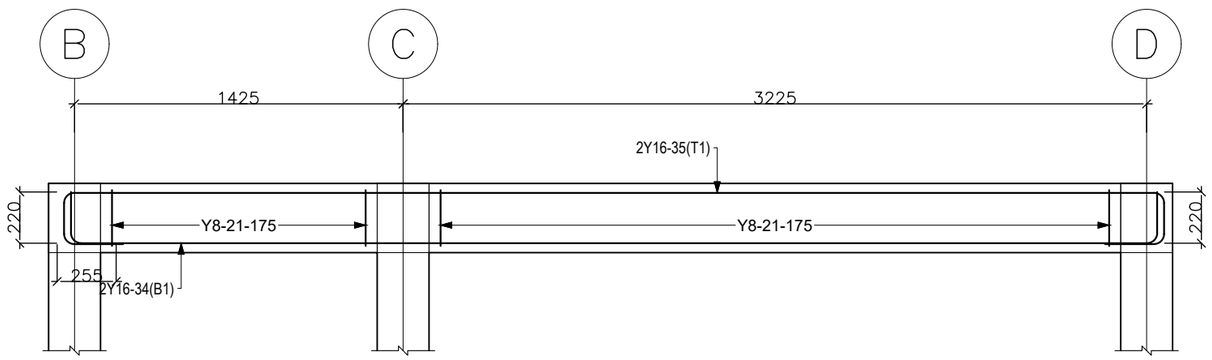
2B33 (225x300)



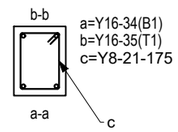
2B34 (225x300)



2B35 (225x300)



2B36 (225x300)



2B37 (225x300)

CLIENT:

PERSONAL PROJECT

NOTES:
- All dimension are in 'mm' except stated otherwise
- Do not scale drawings
- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF ROOF BEAM

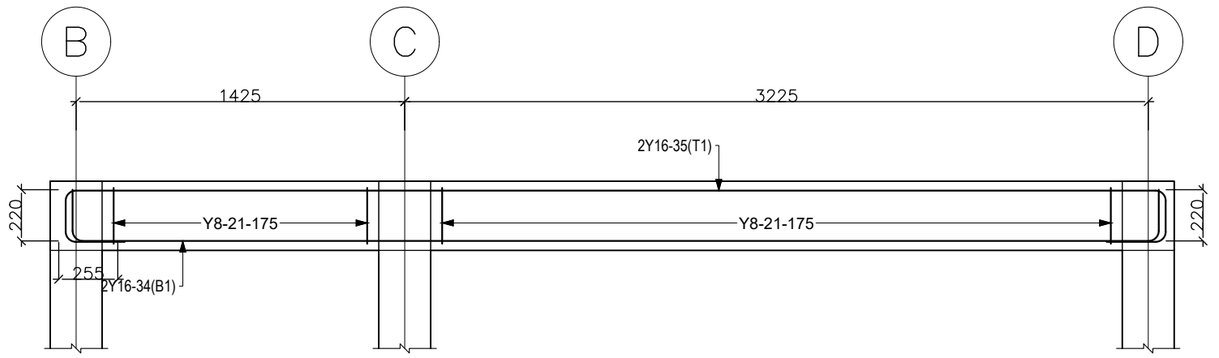
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 18 | REV:

DWG. No:

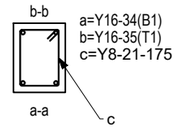
CONSULTING ENGINEERS:

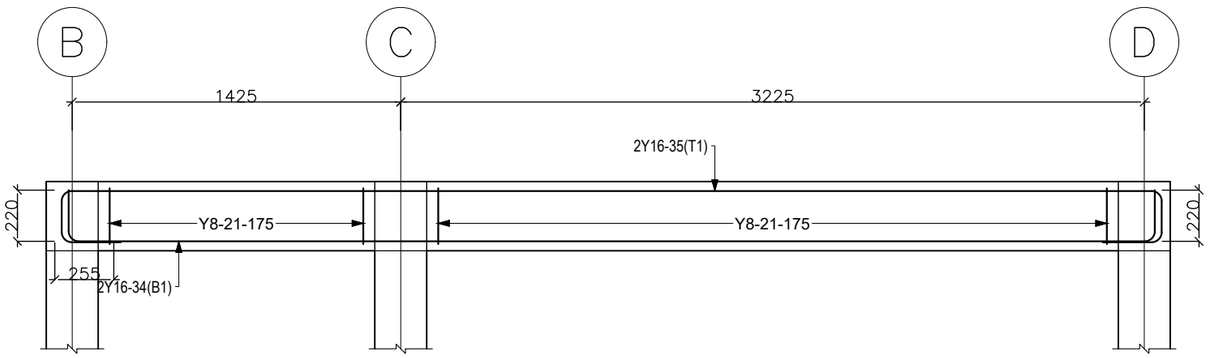
H.I.B.E.C



2B38 (225x300)

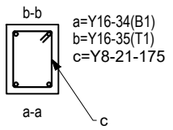
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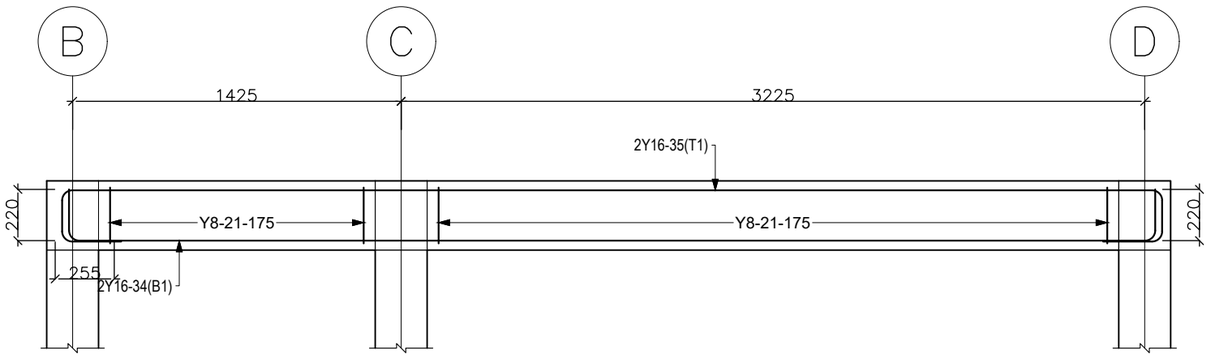




2B40 (225x300)

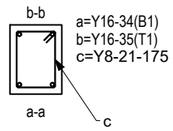
2B41 (225x300)





2B42 (225x300)

2B43 (225x300)



CLIENT:

PERSONAL PROJECT

NOTES:
- All dimension are in 'mm' except stated otherwise
- Do not scale drawings
- All drawings should be read in conjuction with other relevant drawings
- Depth of Foundation to be determined on site

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF ROOF BEAM

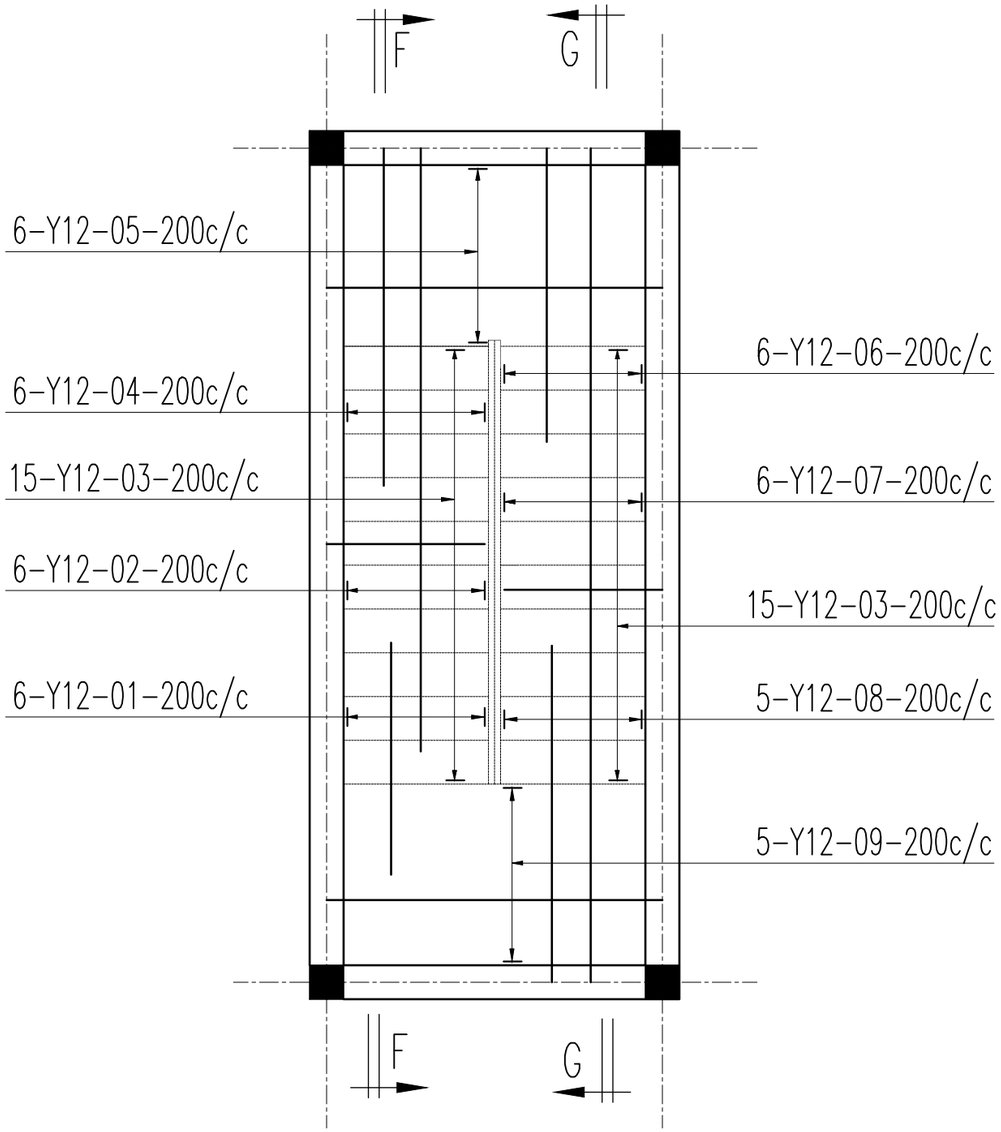
ENGR. AYOOLA	ENGR. TAIWO.I	ENGR. TAIWO.I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: AYOOLA.S | DATE: | SCALE: 1:100 | SHT. 19

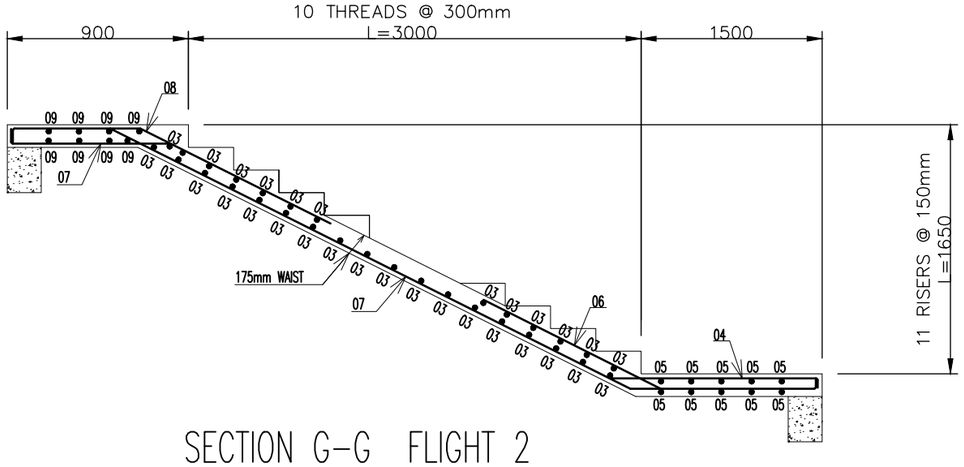
DWG. No: | REV:

CONSULTING ENGINEERS:

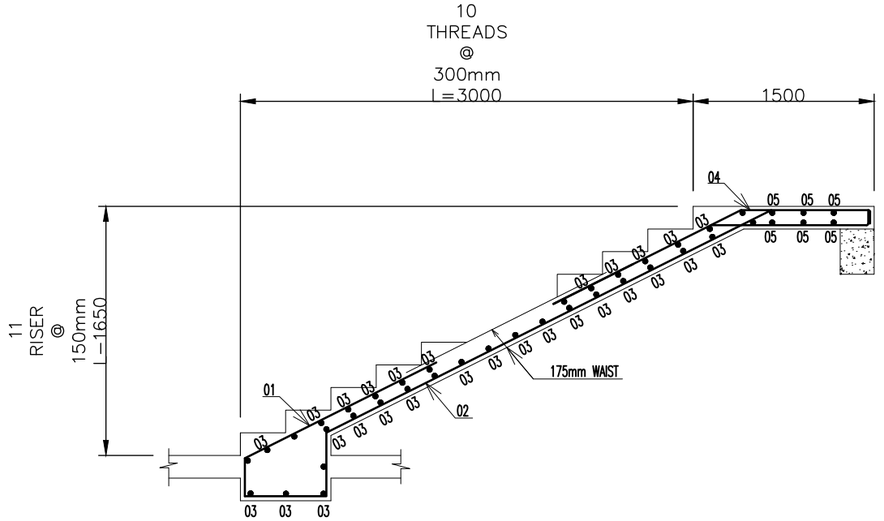
H.I.B.E.C



STAIRCASE PLAN



SECTION G-G FLIGHT 2



SECTION F-F FLIGHT 1

CLIENT:

PERSONAL PROJECT

NOTES:

- ALL DIMENSION ARE IN 'MM' EXCEPT STATED OTHERWISE
- DO NOT SCALE DRAWINGS
- ALL DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT DRAWINGS
- DEPTH OF FOUNDATION TO BE DETERMINED ON SITE

PROJECT:

SELF DEVELOPMENT

TITLE: STRUCTURAL DRAWINGS

DRWG. TITLE: R.C DETAIL OF STAIRCASE

ENGR. AYOOLA	ENGR. TAIWO .I	ENGR. TAIWO .I
DESIGNED BY:	CHECKED BY:	APPROVED BY:

DRAWN: ENGR. AYOOLA | DATE: | SCALE: 1:100 | SHT. 20

DWG. No: | REV: 0

CONSULTING ENGINEERS:

H.I.B.E.C