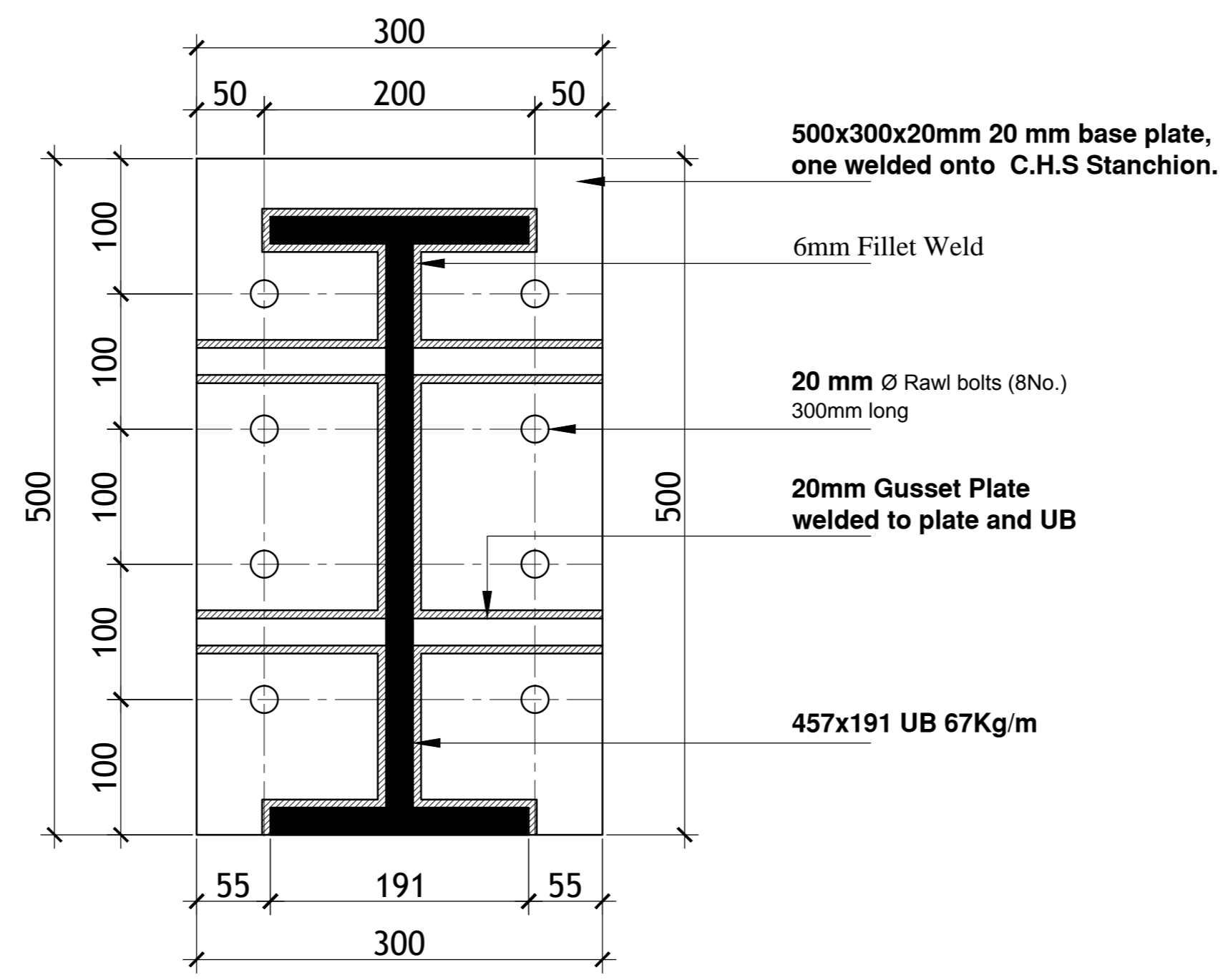


GROUND FLOOR STEEL ANCHORAGE LAYOUT PLAN (Scale 1:50)



STEEL ANCHORAGE PLAN DETAILS - Scale 1:5

**NOTES**

- [1] All Structural concrete to be class 25/20
- [2] Foundation depth to be determined on site
- [3] Excavations to be inspected before blinding is laid
- [4] Damp proof course (DPC) to be laid under all walls
- [5] Hardcore to be hand packed and Compacted to Engineer's satisfaction.
- [6] All reinforcements Must be inspected by Structural Engineer before casting concrete.
- [7] Strip foundation to Structural Engineers specs
- [8] This drawing to be read in conjunction with any relevant Architectural, Civil, Structural or any other drawings
- [9] Concrete cover to reinforcement steel to be as follows:
  - [a] Foundation = 50mm
  - [b] Columns = 40mm
  - [c] Beams = 25mm
  - [d] Slabs = 20mm
- [10] High Yield Ribbed Bars to KS:ISO 6935-2 are denoted "T"
- [11] Mild steel reinforcement bars to BS 4449 are denoted "R"
- [12] Any errors, discrepancies or omissions are to be reported to the Engineer immediately for correction before work is undertaken
- [13] Assumed bearing Capacity=80KN/M2
- [14] The Contractor must confirm dimensions on site before commencing of any work
- [15] Minimum crushing strength of masonry stones or building blocks to be 7N/mm2
- [16] All black cotton soil shall be removed during excavation of foundation.
- [17] Minimum lap length for all reinforcement bars shall be 50 x bar diameter

ISSUES			
DATE	TO	APPLICATION	TO

REVISIONS					
No.	DATE	BY	DESCRIPTIONS	GRP. LDR.	C.S. ENG.

REFERENCE DRAWINGS	
DESCRIPTIONS	

CLIENT BOMET UNIVERSITY COLLEGE	JOB No.
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PROJECT TITLE PROPOSED ROOFING OF GUEST HOUSE COURTYARD
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DRAWING TITLE GROUND FLOOR STEEL ANCHORAGE LAYOUT PLAN
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C1/Sfb							
M.O.T.I.PW.H. & U. D	DRG No.	STR - R - 01		FILE No.			

SCALE(S)	1:50.	FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
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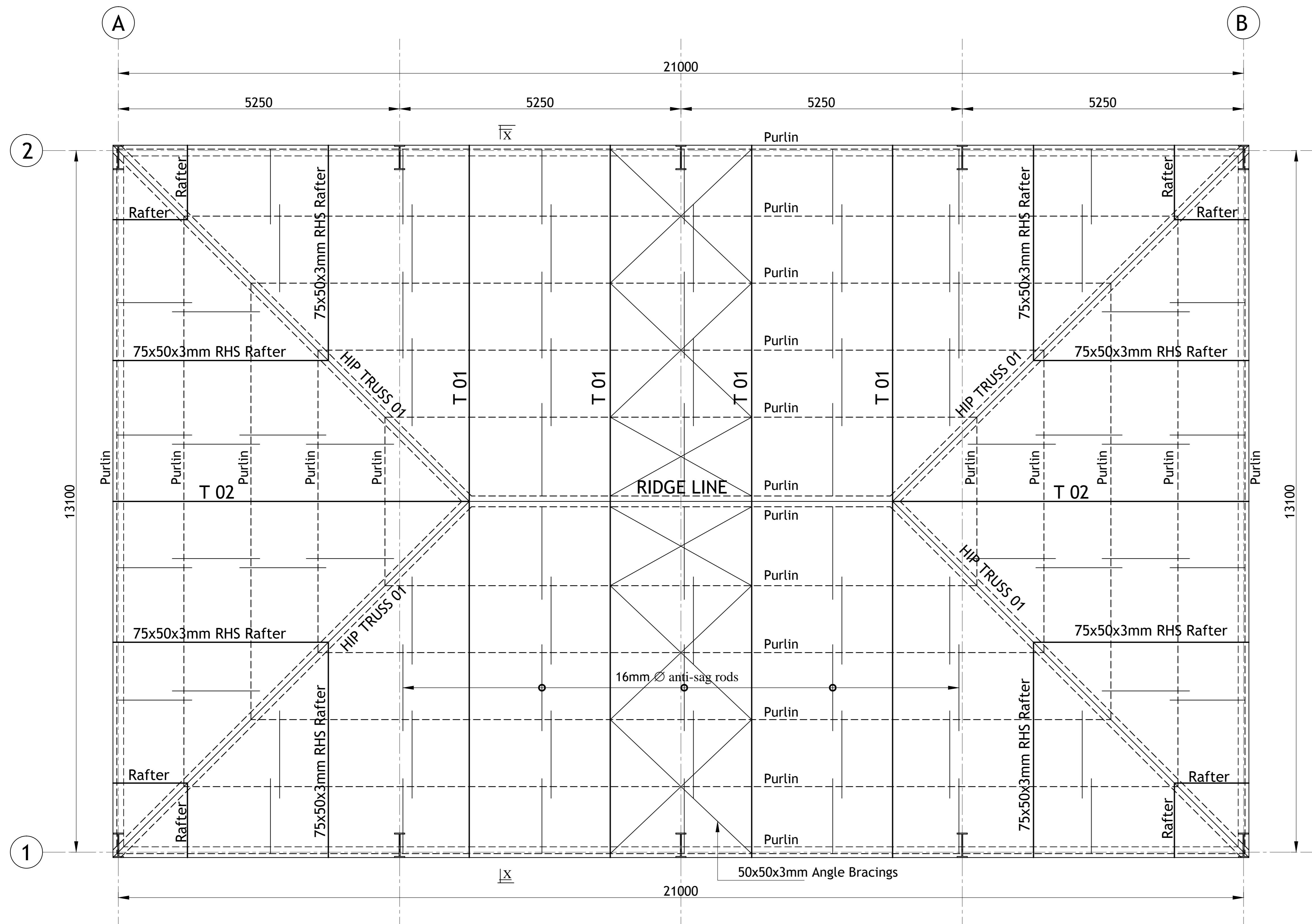
APPROVED BY
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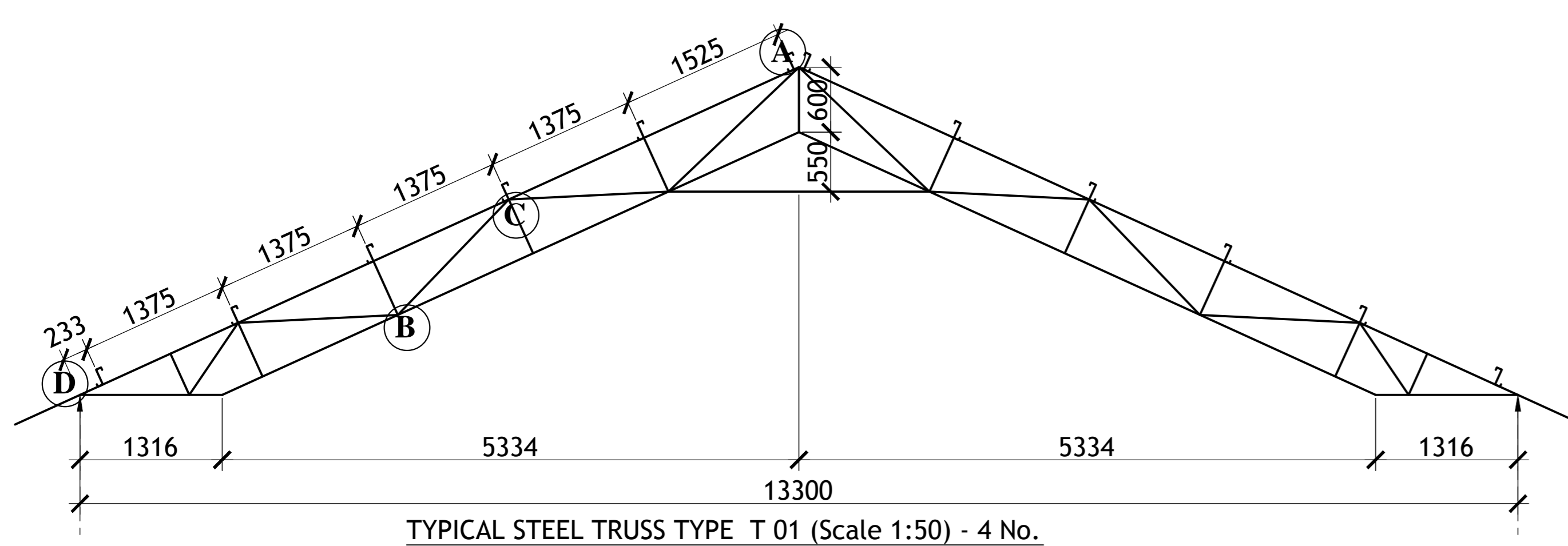
CHIEF ENGINEER (STRUCTURAL)			
NAME	SIGN	DATE	
DESIGN/DRAWN K. T. M			

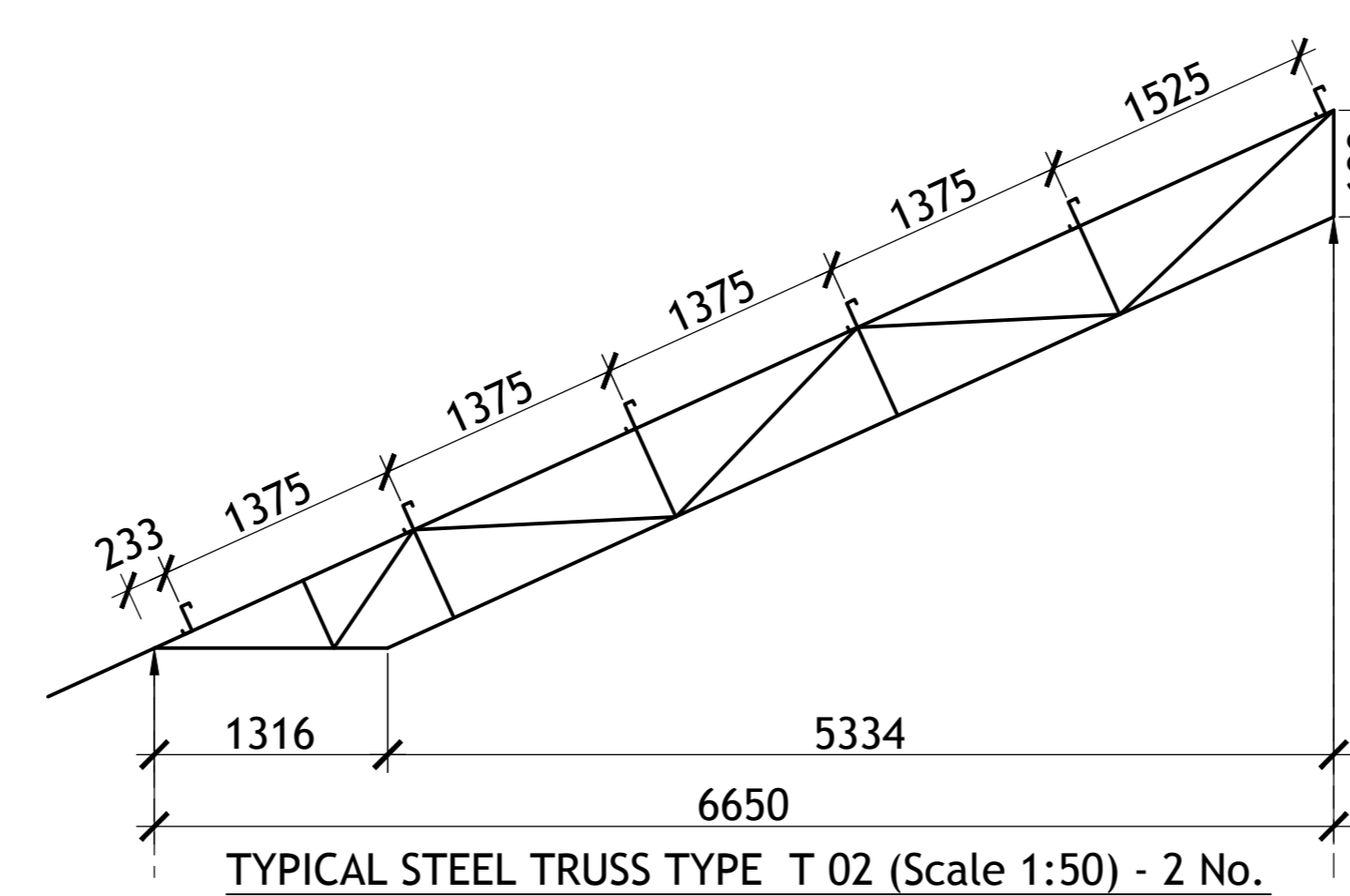
MINISTRY OF TRANSPORT, INFRASTRUCTURE,  
PUBLIC WORKS, HOUSING AND  
URBAN DEVELOPMENT  
STATE DEPARTMENT FOR PUBLIC WORKS



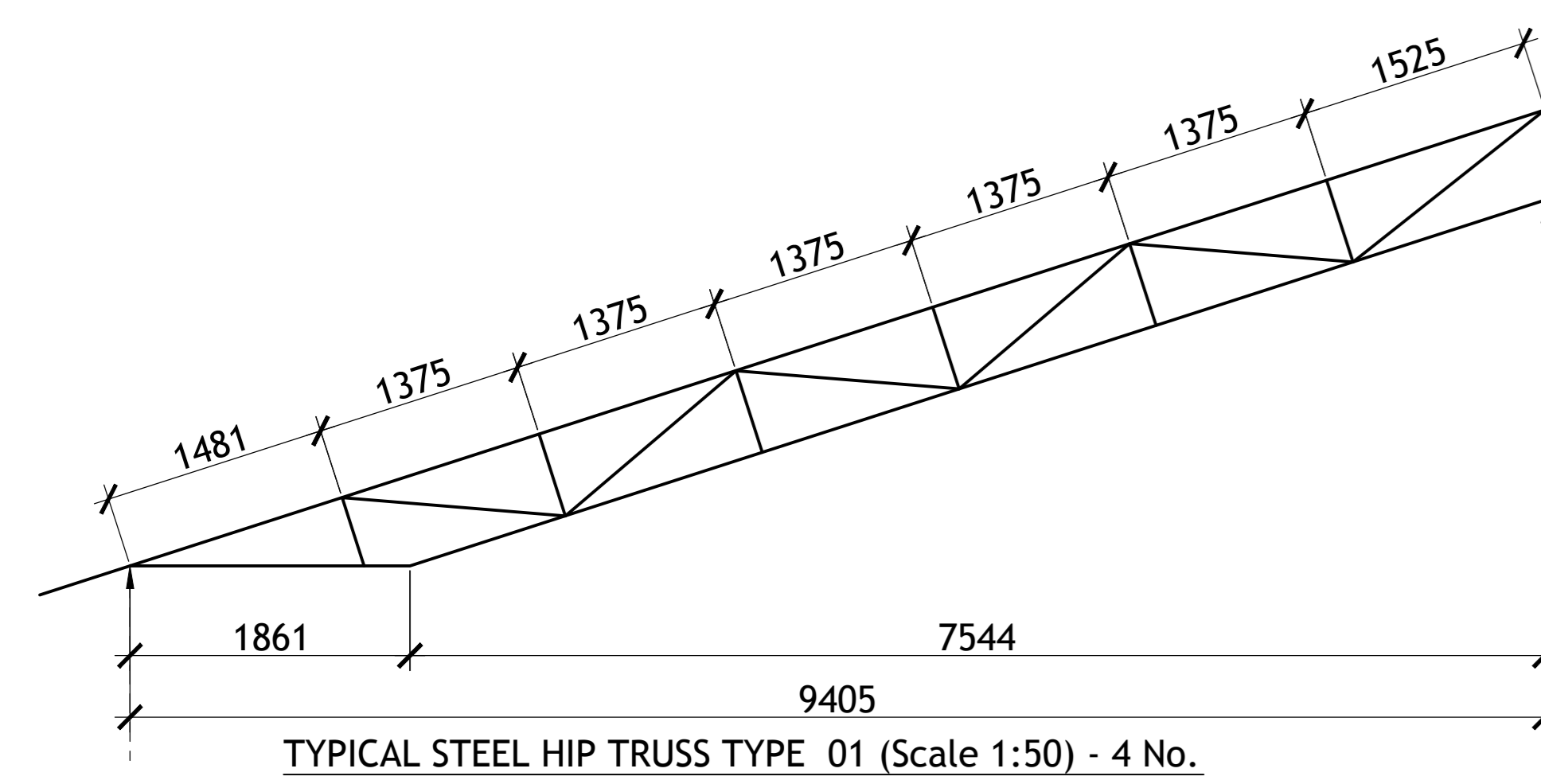
ROOF LAYOUT PLAN (Scale 1:50)



TYPICAL STEEL TRUSS TYPE T 01 (Scale 1:50) - 4 No.



TYPICAL STEEL TRUSS TYPE T 02 (Scale 1:50) - 2 No.

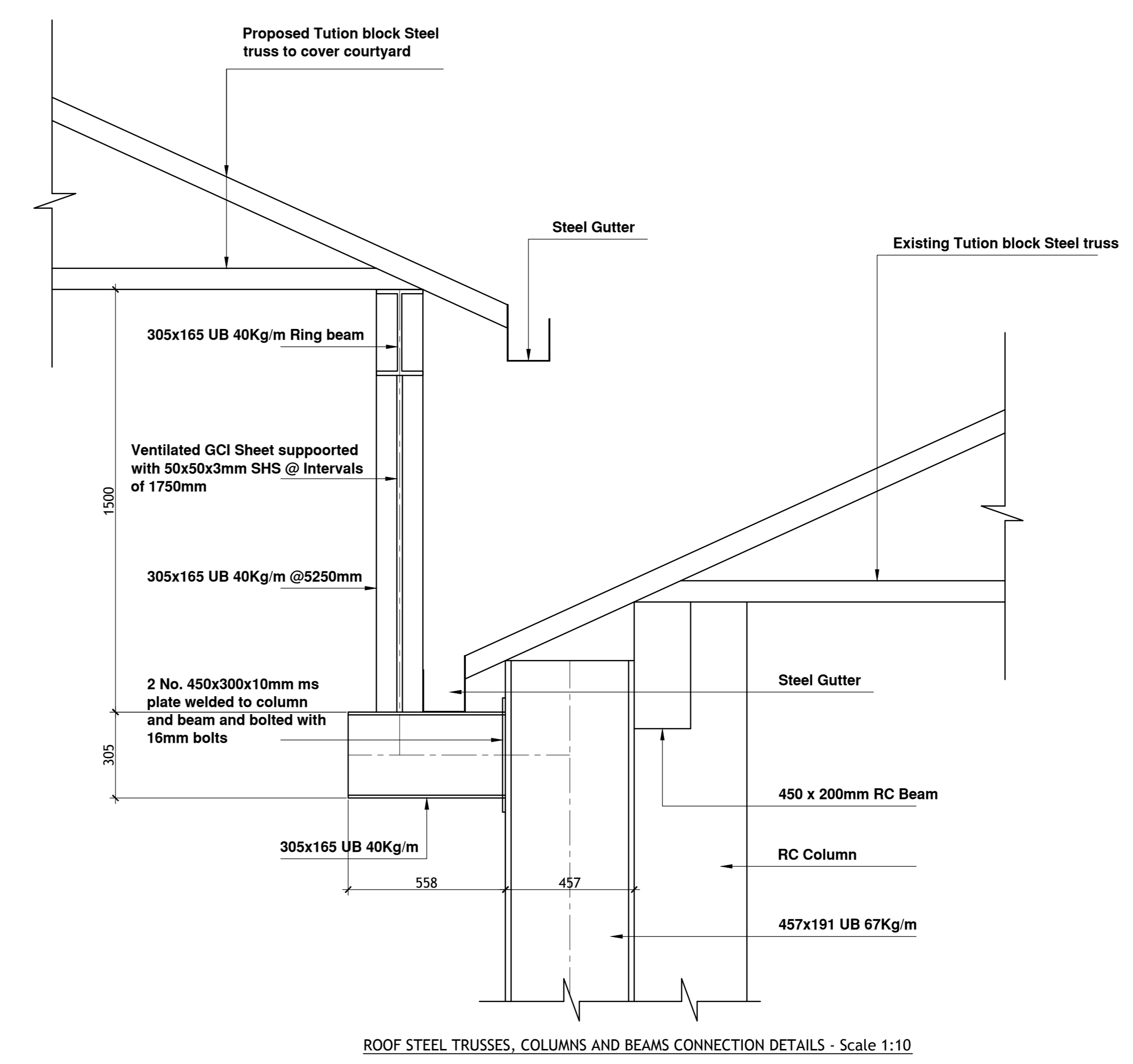
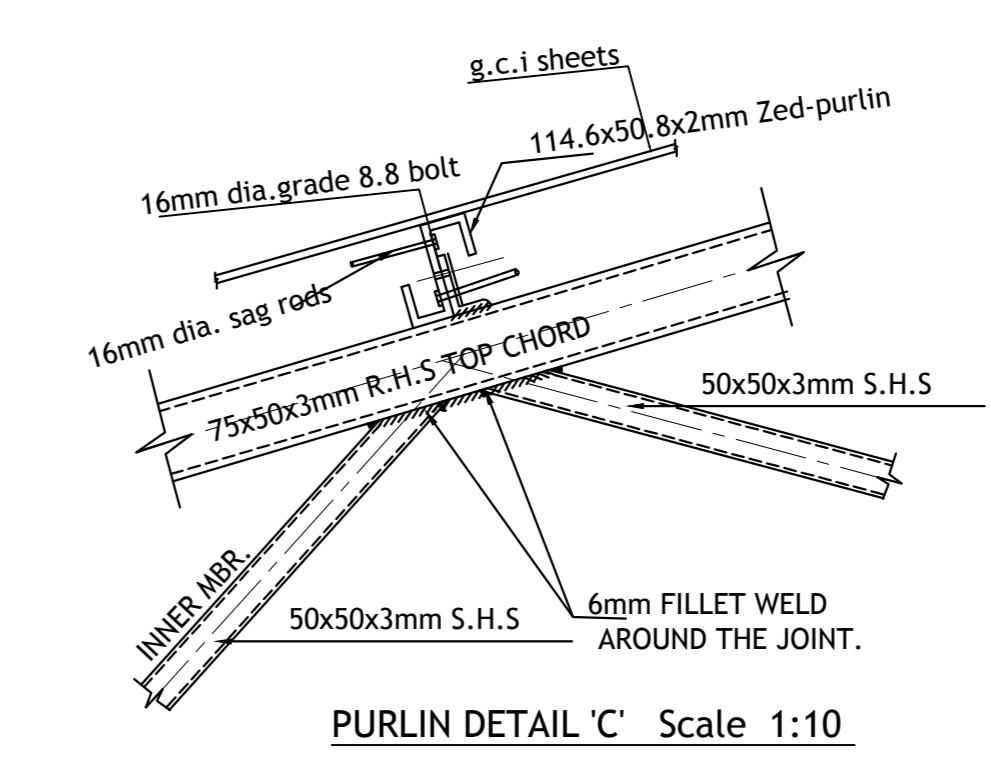
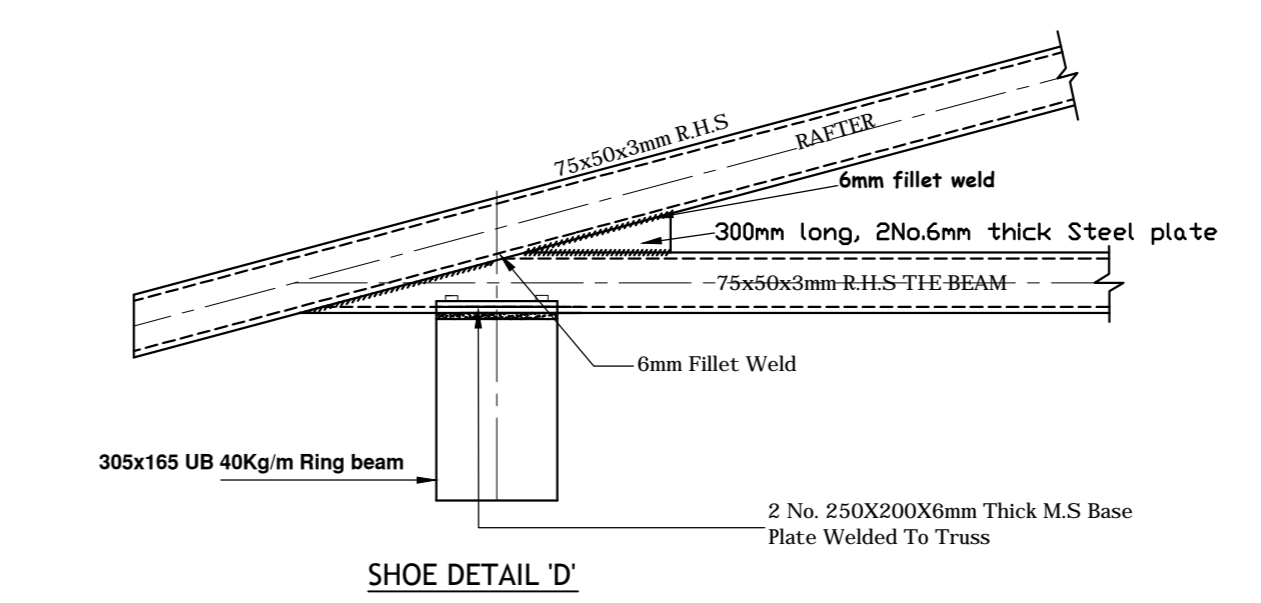
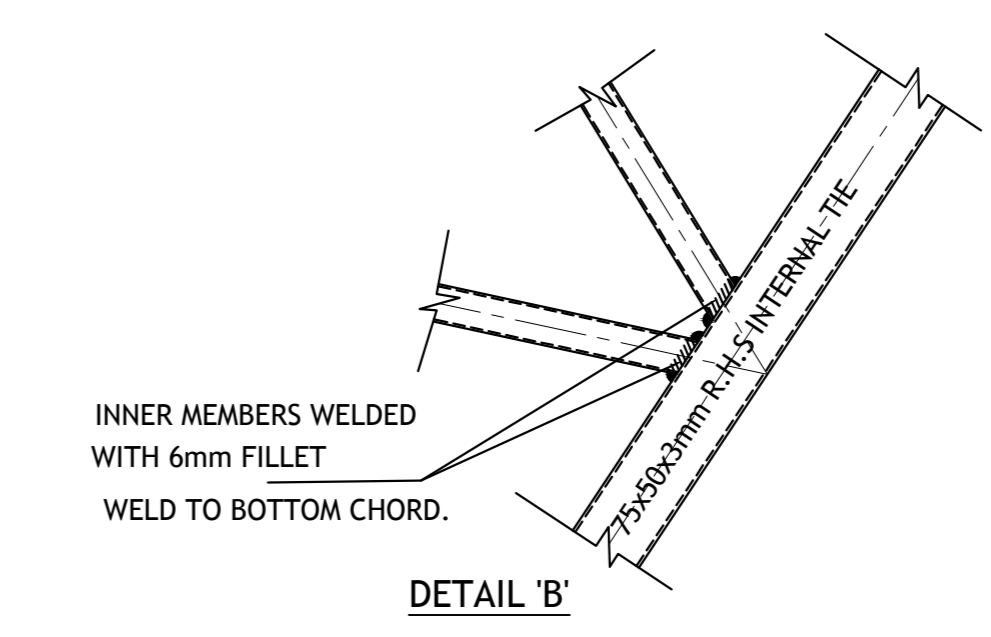
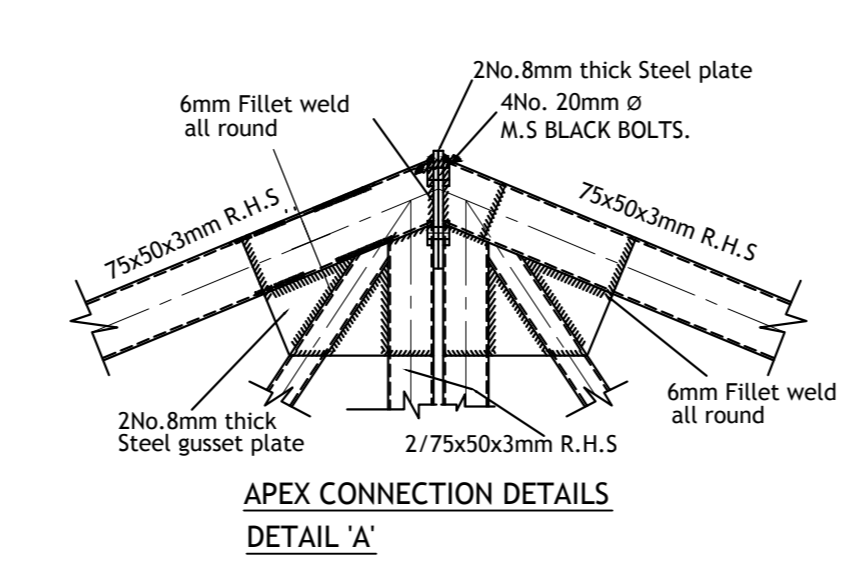


TYPICAL STEEL HIP TRUSS TYPE 01 (Scale 1:50) - 4 No.

**ROOF STEEL NOTES**

- This drawing must be read in conjunction with architectural and any other relevant drawings.
- The Contractor must confirm all dimensions on site before commencing any work.
- All steel works to confirm to BS 449
- All welds shall be continuous fillet welded to BS 5135 and electrodes shall comply with BS 639
- All bolted connections shall be made with appropriate washers under both the bolt head and nut.
- All fabrication and connection details to be provided by the steel fabricator for approval to the Project Structural Engineer prior to commencement of fabrication.
- After fabrication of the steel work, all surfaces shall be painted by two coats of red oxide primer.
- After transit and erection, all damaged paint work or coating shall be repaired to the Engineer's satisfaction.

TRUSSES MEMBER SIZES	
External Members	- 75x50x3mm RHS
Internal Members	- 50x50x3mm SHS
Purlin	- 114.6x50.8x2mm Zed Purlin
Bracings	- 50x50x3mm Angle
Sag Rods	- 16mm Dia.
Roof Pitch	- 25°



ROOF STEEL TRUSSES, COLUMNS AND BEAMS CONNECTION DETAILS - Scale 1:10

**NOTES**

- All Structural concrete to be class 25/20
- Foundation depth to be determined on site
- Excavations to be inspected before blinding is laid
- Damp proof course (DPC) to be laid under all walls
- Hardcore to be hand packed and Compacted to Engineer's satisfaction.
- All reinforcements Must be inspected by Structural Engineer before casting concrete.
- Strip foundation to Structural Engineers specs
- This drawing to be read in conjunction with any relevant Architectural, Civil, Structural or any other drawings
- Concrete cover to reinforcement steel to be as follows:
  - [a] Foundation = 50mm
  - [b] Columns = 40mm
  - [c] Beams = 25mm
  - [d] Slabs = 20mm
- High Yield Ribbed Bars to KS:ISO 6935-2 are denoted 'T'
- Mild steel reinforcement bars to BS 4449 are denoted 'R'
- Any errors, discrepancies or omissions are to be reported to the Engineer immediately for correction before work is undertaken
- Assumed bearing Capacity=80KN/M2
- The Contractor must confirm dimensions on site before commencing of any work
- Minimum crushing strength of masonry stores or building blocks to be 7N/mm2
- All black cotton soil shall be removed during excavation of foundation.
- Minimum lap length for all reinforcement bars shall be 50 x bar diameter

ISSUES				
DATE	TO	APPLICATION	TO	
REVISIONS				
No.	DATE	BY	DESCRIPTIONS	GRP. LDR. C.S. ENG.
REFERENCE DRAWINGS				
DESCRIPTIONS				
CLIENT				JOB No.
BOMET UNIVERSITY COLLEGE				
PROJECT TITLE				
ROOF LAYOUT PLAN AND ROOF CONNECTION DETAILS				
DRAWING TITLE				
ROOF LAYOUT PLAN AND ROOF CONNECTION DETAILS				
C1/Sb				
M.O.T.I.P.W.H. & U. D	DRG No.	STR - R - 02		
FILE No.				
SCALES		FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING		
1:50, 1:10 1:5.				
APPROVED BY				
CHIEF ENGINEER (STRUCTURAL)				
DESIGN/DRAWN	NAME	SIGN	DATE	
	K. T. M			
MINISTRY OF TRANSPORT, INFRASTRUCTURE, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT				
STATE DEPARTMENT FOR PUBLIC WORKS				
STRUCTURAL DEPARTMENT				