

FINAL REPORT

DESIGN PROOF CHECK

OF

SPPL DEMO PROJECT

New Delhi

BY

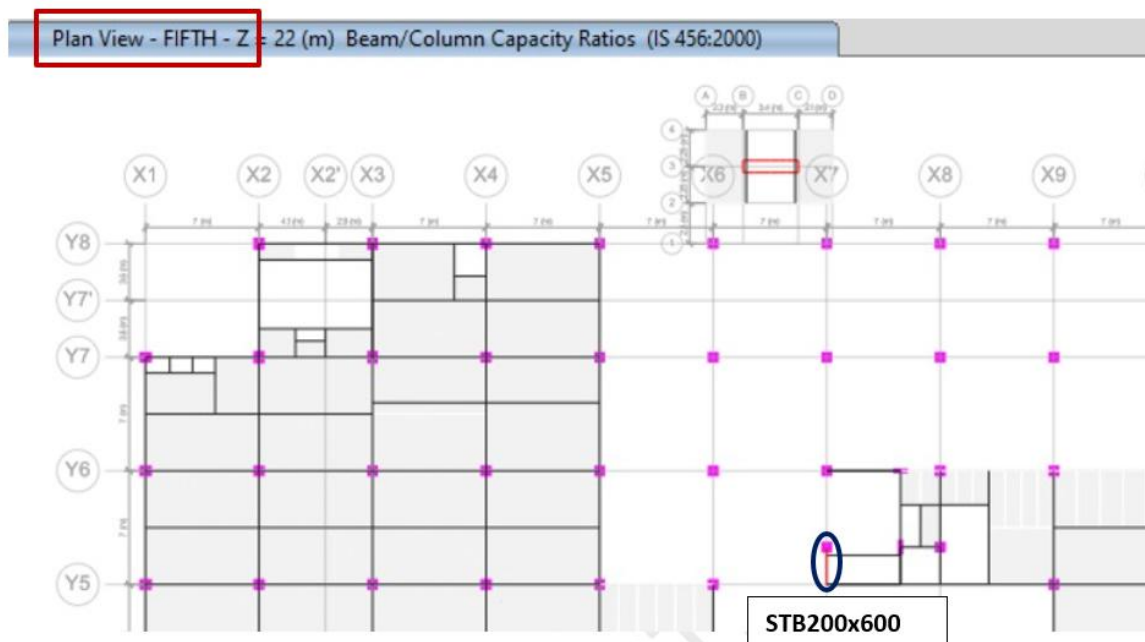
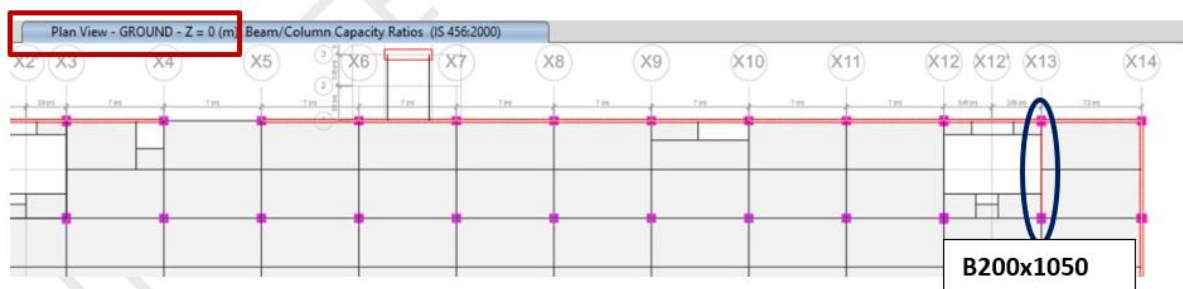
Sanrachna Prahari Pvt Ltd



APRIL 2025

1. Reference –
 - a) Meeting with client design team representatives
 - b) Email from Client (RE: A2 Project (Demo) at New Delhi- Proof Check of Structural design works)
2. Beams at different levels have issues, as mentioned against each in the table below: -

<u>Level</u>	<u>Type of member</u>	<u>Remark</u>
Ground	B200x1050	Shear stress due to shear force and torsion together exceeds maximum allowed
Fifth	STB 200x600	Shear stress due to shear force and torsion together exceeds maximum allowed
Roof -2	B250-450 MB	Reinforcing required exceeds maximum allowed
Roof -2	B250-600 MB	Shear stress due to shear force and torsion together exceeds maximum allowed





3. Reference –

- a) email from client (RE: S3AC - Warehouse - Architectural drawings, Analytical Model, Load Calculation, Design Document and Seismic Checklist for your review)
- b) email from client (RE: S3AD- Waste Disposal Device Workshop - Architectural drawings, Analytical Model, Load Calculation, Design Document and Seismic)
- c) online meeting with client structural design team representatives

4. The following points may be addressed:

S3AC remarks:

- a) Report O21-C-S3AC-DC-TD-01: The average height calculated in the page 44 is 6.45 m but if we calculate it from the elevation drawing as mentioned in the document O21-C-S3AC-00-TD-08 ($5.88 + 6.36 = 12.24 \text{ m} / 2 = 6.12 \text{ m}$). The approximate fundamental time period will be 0.33 sec. Please reconcile.
- b) Document O21-A-S3AC-00-TD-04: RC wall is mentioned in the GF plan but in the STAAD model there is no RC wall.
- c) Report O21-C-S3AC-DC-TD-01: Typical calculations of (Foundations, Plinth beams, Pedestal) are not listed.
- d) Document O21-C-S3AC-00-TD-07: Lack of the stirrups in opposite way for more resistance to EQ action. Refer picture below.
- e) No footing recommendation report submitted for this building.

