

Trouser World (Pvt.) Ltd.(New Building)

378/1, Kunia, National University, Joydebpur, Gazipur
(23.926324N, 90.387200E)
7th June 2018





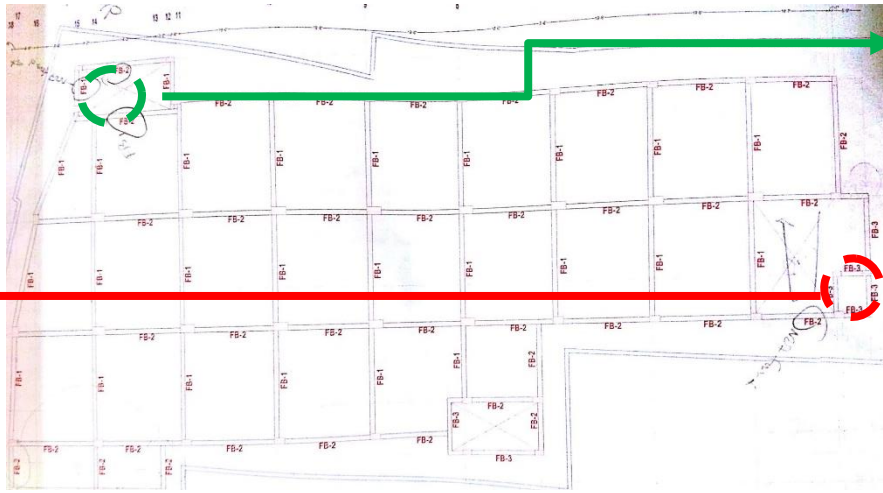
Observations

Main Production Building



Inaccurate as- built drawings

Observation: Main Production Building



During inspection, stair beam was found missing in the south side and east side stair.



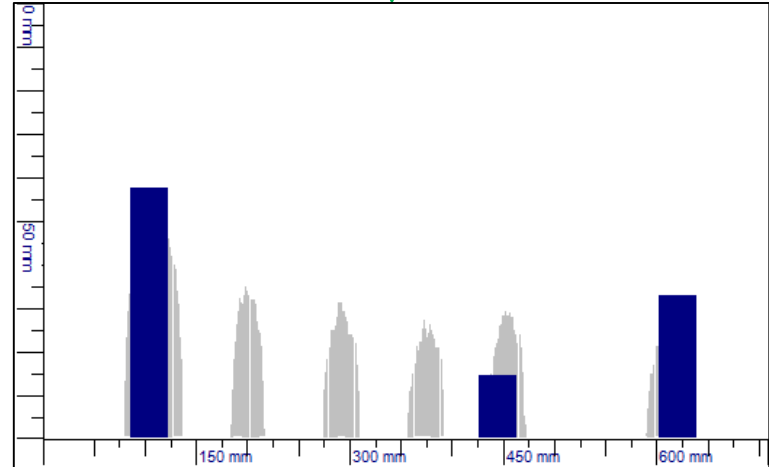
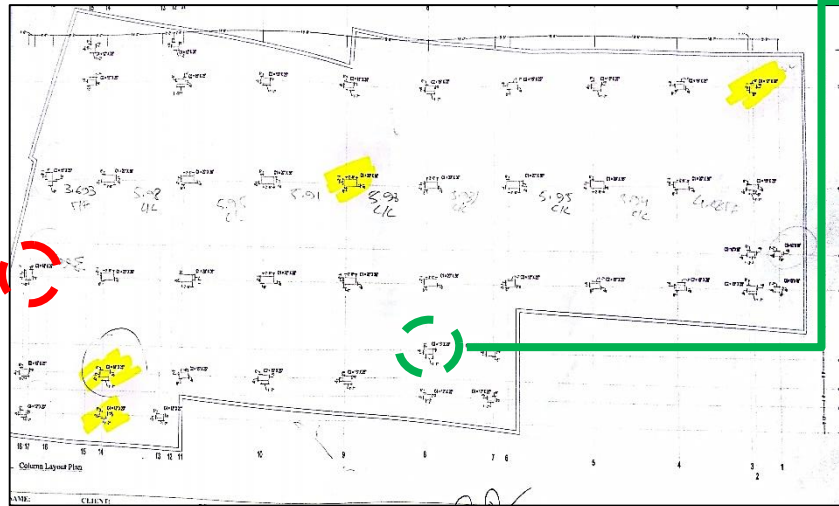
Shaded area indicates beam is missing at eastern side stair.



Shaded area indicates missing beam at southern side stair.

Stair beam was not found as per beam layout plan. Stair beam was found missing in the in the south side and east side stair. One beam was found missing for each stair. Update of as-built drawing is required. Stair stability is required to be assessed.

4 Observation: Main Production Building



Location of Column type C-3 and Column type C-2 column layout plan.

The number of rebar did not match with as-built drawing for C-2 type column type from 1st to top floor.



Dimension of column type C-3 in grid E-17 was not found as per drawing. Rebar of column type C-2 in grid D-8 was found less than mentioned in the drawing.

C-3 type column dimension was found less than mentioned in the column schedule.



Load plan to be produced

Observation: Main Production Building



No load plan was found posted on any floor. Factory is required to produce load plan as per it's floor capacity. Load marking is required to be posted as per floor capacity in the temporary and permanent storage areas.

Observation: Main Production Building



Falling Hazard in the roof floor

Observation: Main Production Building



No safety guard or wall was observed at the opening of lift core at roof top. This area is prone to falling hazard.

Observation: Main Production Building



Ground Floor Columns Susceptible to Vehicular Impact load

Observation: Main Production Building



Columns of Ground floor are prone to vehicular impact. Factory is required to protect the columns from vehicular impact.

Observation: Main Production Building



Observations

Dining shed and Utility Building

Observation: Dining shed and Utility Building



Lack of As-built Documents

Observation: Dining shed and Utility Building



Utility building



Dining shed

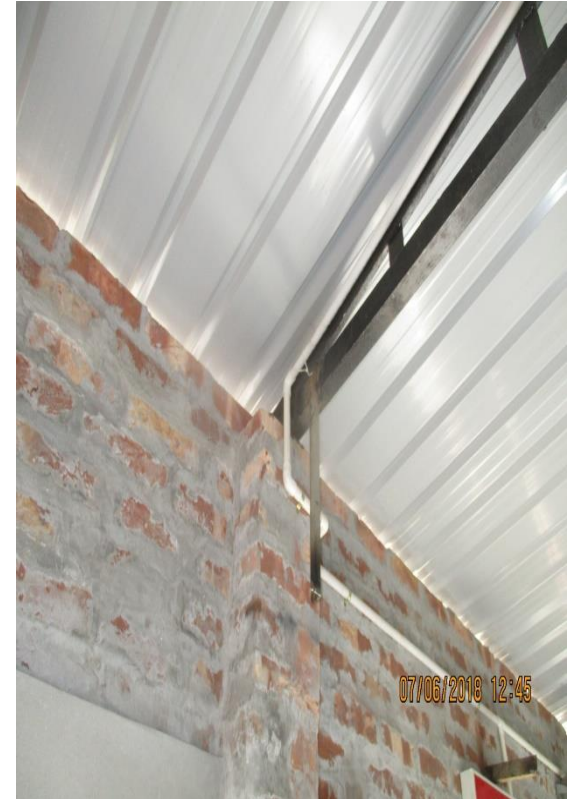
No as-built documents was found for the Dining shed and Utility Building. Factory is required to produce as-built documents for these occupancies.

Observation: Dining shed and Utility Building



Poor structural connection and lack of lateral stability of Dining shed.

Observation: Dining shed and Utility Building



Truss is supported in the brick wall. Connection of truss and RCC column seems poor and inadequate. Truss and steel column connection appeared to be inadequate. Adequacy check for the connection system is required.

Observation: Dining shed and Utility Building



Priority Actions



Observations

Main Production Building

1. Inaccurate as- built drawings
2. Load plan to be produced
3. Falling Hazard on the roof floor
4. Ground Floor Columns Susceptible to Vehicular Impact load

Dining shed and Utility Building

1. Lack of As-built Documents
2. Poor structural connection and lack of lateral stability of Dining shed.



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Inaccurate as- built drawings	Building Engineer to survey as-constructed building and update drawings as required.	6-weeks
2	Inaccurate as- built drawings	Stability check for the stair is required.	6-weeks
3	Inaccurate as- built drawings	Implement remedial works suggested by the building engineer.	6-months
4	Load plan to be produced	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to slab, beam, column and foundation capacity.	6-weeks
5	Load plan to be produced	Continue to implement load plan.	6-months
6	Falling Hazard in the roof floor	Factory is required to install safety guard for falling hazard.	Immediate - Now
7	Probable Vehicle Impact for Ground Floor Columns	Install safety guard to protect the columns from vehicular impact	Immediate - Now
8	Lack of as-built documents for generator shed	Building Engineer to check the structure and update as-built drawings	6-weeks
9	Poor structural connection and lack of lateral stability of Dining shed	Check the adequacy of the members and connections against uplift and lateral forces	6-weeks
10	Poor structural connection and lack of lateral stability of Dining shed	Implement remedial works suggested by the building engineer.	6-months