

Epoch Garments Ltd (Extension)

Dholadia, Bhawal Rajabari, Sreepur, Gazpur-1742

(24.100199, 90.471506)

10 December 2023



1. Executive Summary

Admin Building: is a four-storied (G+3) RC building with a steel shed at the roof.

Boiler Room: is a single storied RC building.

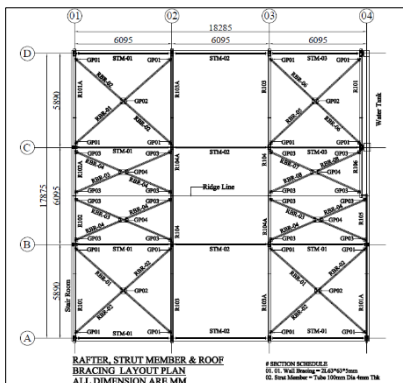
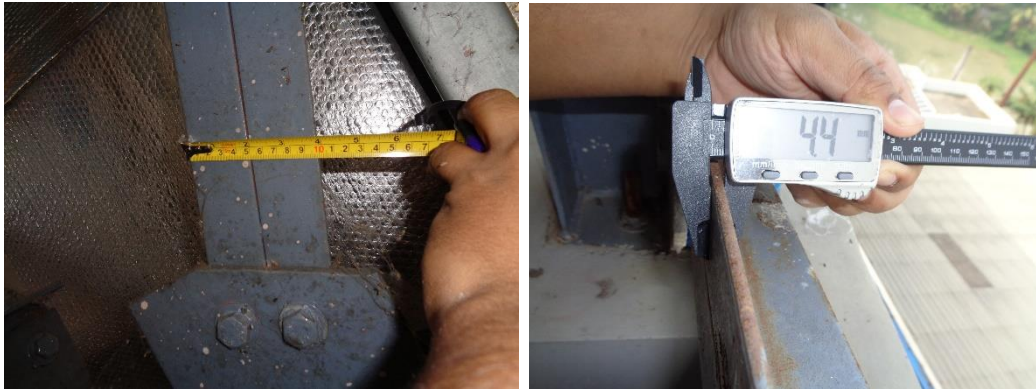
Fire Pump Room: is an underground fire pump room with water reservoir and steel roof.

Security & RMS Room: is a single-storied RC structure.

Jhute Godown: is a single-storied roof shed supported by an RC structure boundary Column.

2. Observations:

Observation-1: Mismatch in as-built drawing. (Admin Building)



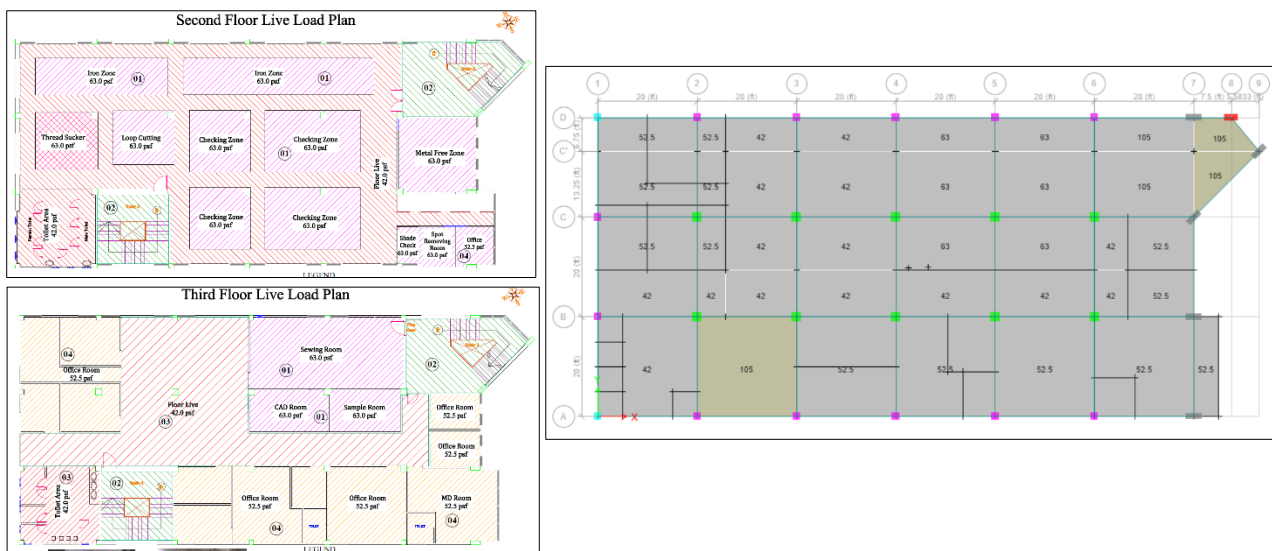
SECTION SCHEDULE

01. 01. Wall Bracing = 2L63*63*5mm

02. Strut Member = Tube 100mm Dia 4mm Thk

Description: Mismatch was found between the as-built drawing and the actual site condition. During the inspection, bracing size was found 2L-50X50X4mm but in the as-built drawing, the bracing size was shown as 2L-63X63X5mm. The building engineer is required to survey the whole structure and update the as-built drawing as per the actual site condition.

Observation-2: Load plan does not comply with BNBC requirement (Admin Building).



Description: A set of load plans was prepared where 2kPa floor loading has been considered in the production floor area. Also assigned in the FEA model. The consideration of the 2kPa floor live load for the factory building does not comply with the minimum requirement of BNBC. The building engineer is required to revise the design documents for the building considering floor loading as per BNBC.

Observation-3: Lack of as-built drawing (Fire Pump Room, Security & RMS Room and Jhute Godown).



Fire Pump Room



Security & RMS Room



Jhute Godown

Description: As built drawings of the Fire Pump Room, Security & RMS Room and Jhute Godown were not available on site at the time of inspection. The building engineer is required to prepare as built drawing of all these structures.

3. Action Plan:

Serial No	Observation	Action Plan	Timeline
1	Mismatch in the as-built drawing. (Admin Building)	The building engineer is required to survey the whole structure and prepare accurate as-built drawings as per BNBC.	within 6 weeks
2	The load plan does not comply with BNBC requirement (Admin Building).	Building Engineer to revise the design documents including loads, column and foundation capacity considering BNBC live load requirements.	within 6 weeks
3	The load plan does not comply with BNBC requirement (Admin Building).	Produce and actively manage a loading plan for all floor plates considering floor, column and foundation capacity.	within 6 weeks
4	The load plan does not comply with BNBC requirement (Admin Building).	Carry out remedial work where required.	within 6 months
5	The load plan does not comply with BNBC requirement (Admin Building).	Continue to implement the floor loading plan	within 6 months
6	Lack of as-built drawing (Fire Pump Room).	The building engineer is required to prepare as-built drawing for the structure.	within 6 weeks
7	Lack of as-built drawing (Security & RMS Room).	The building engineer is required to prepare as-built drawing for the structure.	within 6 weeks
8	Lack of as-built drawing (Jhute Godown).	The building engineer is required to prepare as-built drawing for the structure.	within 6 weeks