

Caesar Apparels Ltd New (Extension)

Yakub Synthetic Building, PBA Road, Moijjartek, Shikalbaha, Upzilla: Patiya, Chattogram
(22.316036, 91.855888)

9 December 2024



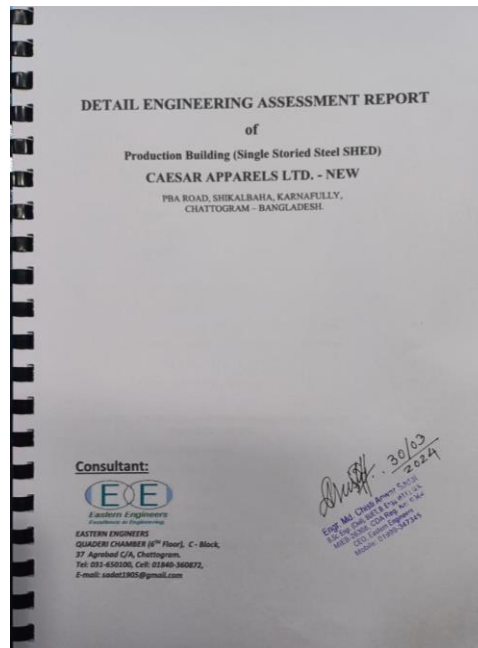
1. Building Information

Production Shed: The structure is a single-storied prefabricated steel shed.

Boiler Room-02: The structure is a single-storied reinforced concrete (RC) building.

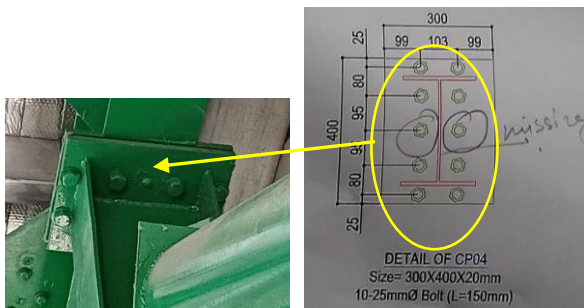
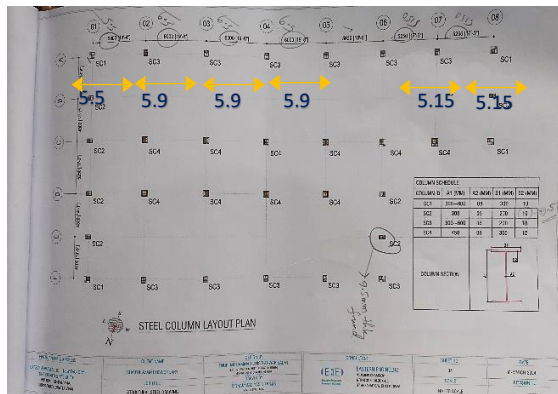
2. Observations

Observation 01: Inconsistency in the design report (Production Shed).



Description: During the inspection, the design report, as-built drawings, a soil test report and test reports were available onsite. In the design report, no connection adequacy check for steel members was provided. The building engineer is required to revise the design report as per BNBC 2020 incorporating the connection adequacy check and submit the EA documents to RSC for detailed review.

Observation 02: Discrepancies in the as-built drawings (Production Shed).



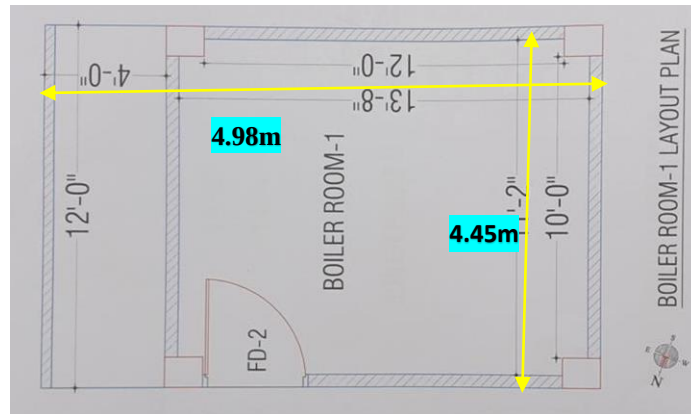
Description: Discrepancies were found in the CP-04 connection at 1B, 1C, 1D, 1E, 6C, 6D and 6E (no. of bolts found 8 instead of 10 bolts). Also, grid distances were found 100 mm less in all grids except the 05-06 grid along the East-West direction. Furthermore, no structural details (roof members, connection details etc.) were provided in the structural drawing for the adjacent toilet block. The building engineer is required to survey the whole structure and prepare accurate as-built drawings as per actual site condition.

Observation 03: Connection gap (Production Shed)



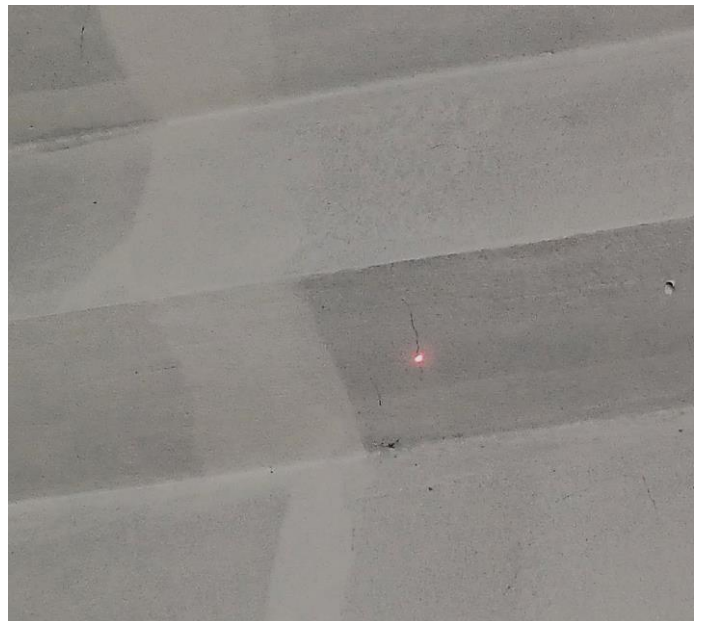
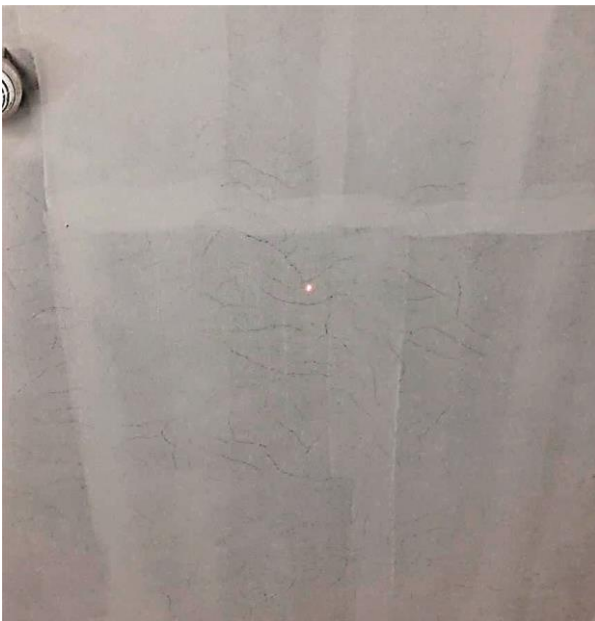
Description: During inspection, connection gaps were found in beam-column connections. The building engineer is required to repair the connection gap with a suitable method.

Observation 04: Discrepancies in as-built drawings (Boiler Room-02)



Description: During the inspection, discrepancies were found in the dimensions of Boiler Room-02 (4.98m found along the East-West direction and 4.45m found along the North-South direction). Also, all side elevations as well as sectional elevations were not provided in the as-built drawing. The building engineer is required to survey the whole structure and prepare accurate as-built drawings as per actual site conditions.

Observation 05: Hairline cracks on roof slab and beams (Boiler Room-02)



Description: During the inspection, hairline cracks were found on the roof slab and beams. The building engineer is required to investigate the reason and repair the cracks accordingly.

3. Action Plan

SL	Observation	Action Plan	Timeline
1.	Inconsistency in the design report (Production Shed).	The building engineer is required to revise the design report as per BNBC 2020 incorporating the connection adequacy check and submit the EA documents to RSC for detailed review.	within 6 weeks
2.		Carry out suggested remedial works if required.	within 6 months
3.	Discrepancies in the as-built drawings (Production Shed).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings as per actual site conditions.	within 6 weeks
4.	Connection gap (Production Shed)	The building engineer is required to repair the connection gap with a suitable method.	within 6 weeks
5.	Discrepancies in as-built drawings (Boiler Room-02)	The building engineer is required to survey the whole structure and prepare accurate as-built drawings as per actual site conditions.	within 6 weeks
6.	Hairline cracks on roof slab and beams (Boiler Room-02)	The building engineer is required to investigate the reason and repair the cracks accordingly.	within 6 weeks