

Ananta Casual Wear Ltd. (Extension)

Kunia, National University, Gacha, Gazipur

(23.877754, 90.289206)

3 July 2025

Structural Inspection Report



1. Building Information:

1. Laundry Building	2-storied (G+M+1) Steel building.
2. ETP Building	2-storied (G+1) RC building.
3. Security Room (Laundry)	Single storied steel shed
4. RCU room	Single storied steel shed
5. CS Shed -4	Single storied steel shed

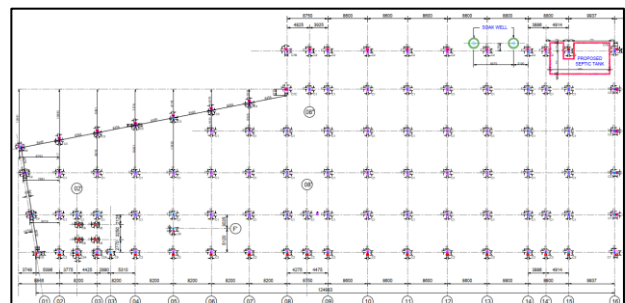
2. Observation:

Observation-1: Incomplete lateral stability system (Laundry Building).



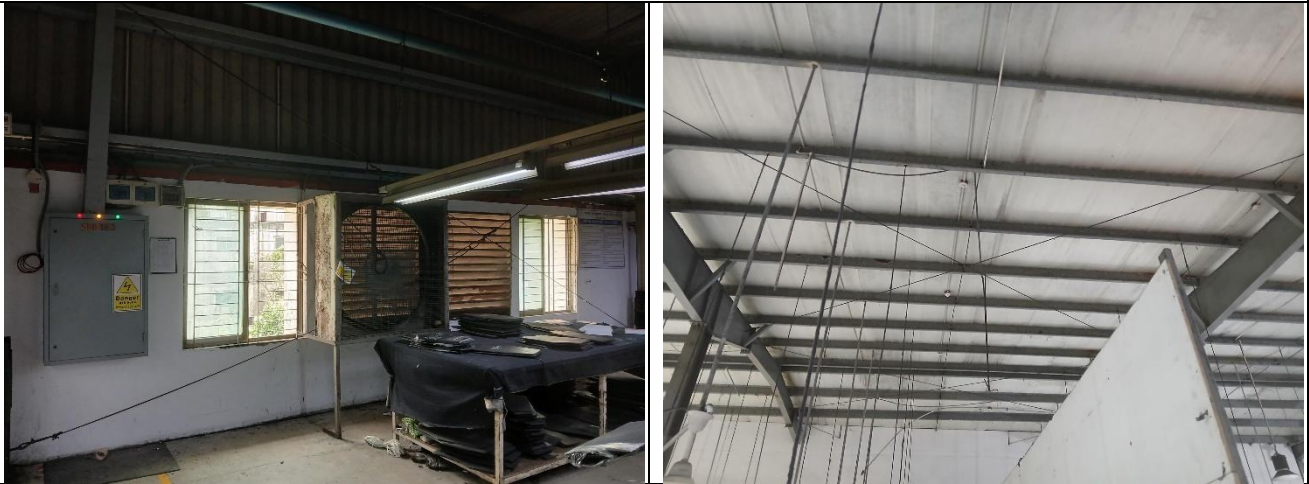
Description: No load transfer media is provided along the long direction. So lateral stability in the long direction is incomplete. Improper connection between structural members was also observed. The building engineer is required to check the stability system and connection adequacy for the existing structure.

Observation-2: Lack of information in the as-built drawing (Laundry Building).



Description: During the Inspection, the column layout plan with column schedule was not shown in the available structural drawing. The building engineer is required to survey the structures and prepare a comprehensive as-built drawings.

Observation-3: Loose cable bracing (Laundry Building).



Description: During the Inspection, loose cable bracing was observed on the Laundry Building. The building engineer is required to tighten all loose cable bracings.

Observation-4: Connection gap between steel connections (Laundry Building).



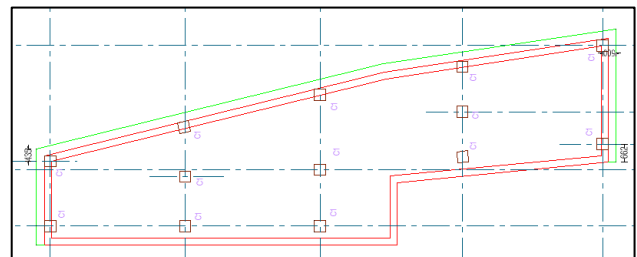
Description: During Inspection, connection gap was observed between steel connections in different locations of the Laundry Building. The building engineer is required to fill the connection gaps with proper methodology.

Observation 5: Lack of design report, in situ material test report (ETP Building).



Description: As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, a set of partial construction drawings was available. However, no design report was available. Also, no in-situ material test report (cylinder test report, rebar test report) was available. The building engineer is required to verify in situ material test for concrete and steel and prepare an Engineering Assessment (EA) report with proper remediation plan (if required) and submit to RSC for review.

Observation-6: Inadequate as-built drawing (ETP Building).



Description: During Inspection, partial drawing was available for ETP control room only. In addition, no sectional elevational view was shown in available architectural drawings. The building engineer is required to survey the structures and prepare a comprehensive as built drawings reflecting the entire structure.

Observation-7: Perceivable vibration on the floor (ETP Building).



Description: During Inspection, perceivable vibration was observed on the 1st floor slab due to the vibration from aeration pumps.
The building engineer is required to investigate the source of vibration and use proper damping methodology to reduce vibrations.

Observation-8: Lack of as-built drawings (CS Shed -4, Security Room (Laundry), RCU room).



Description: During inspection, no as-built drawing was available for (CS Shed -4, Security Room (Laundry), RCU room).
The building engineer is required to survey the structures and prepare a comprehensive as built drawings reflecting the entire structure.

Observation-9: Inadequate members with poor connections (CS Shed -4, Security Room (Laundry), RCU room).



Description: During inspection, inadequate members with Improper connection details were observed for (CS Shed -4, Security Room (Laundry), RCU room). The building engineer is required to prepare safety check reports considering the ACCORD building standard and submit to RSC for review.

3. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	Incomplete lateral stability system (Laundry Building).	The building engineer is required to check the stability system and connection adequacy for the existing structure as part of the EA and submit to RSC for review.	within 6 weeks
2.		Implement remediation work if required.	within 6 months
3.	Inadequate as-built drawing (Laundry Building).	The building engineer is required to survey the structures and prepare comprehensive as-built drawings.	within 6 weeks
4.	Loose cable bracing (Laundry Building).	The building engineer is required to tighten all loose cable bracings.	within 6 weeks
5.	Connection gap between steel connections (Laundry Building).	The building engineer is required to fill the connection gaps with proper methodology.	within 6 weeks
6.	Lack of design report, in situ material test report (ETP Building).	Verify in-situ concrete material strength by taking concrete cores (minimum 4 nos and 100 mm diameter) from lower-tier building columns and prepare a steel rebar test report.	within 6 weeks
7.		The building engineer is required to check the design against lateral forces, stress and serviceability's and prepare a full set of design documents and submit it to RSC for review.	within 6 weeks
8.		Carry out remedial work if required.	within 6 months
9.	Inadequate as-built drawing (ETP Building).	The building engineer is required to survey the structures and prepare comprehensive as-built drawings.	within 6 weeks
10.	Perceivable vibration on floor (ETP Building).	The building engineer is required to investigate the source of vibration and use proper damping methodology to reduce vibrations.	within 6 weeks
11.	Lack of as-built drawings (CS Shed -4, Security Room (Laundry), RCU room).	The building engineer is required to survey the structures and prepare comprehensive as built drawings.	within 6 weeks
12.	Inadequate members with poor connections (CS Shed -4, Security Room (Laundry), RCU room).	The building engineer is required to prepare safety check reports considering ACCORD combination and submit to RSC for review.	within 6 weeks