Ocean Sweater Ind. (Pvt). Ltd. (Extension)

Islampur, Joydebpur, Gazipur.

(23.98109, 90.35058)

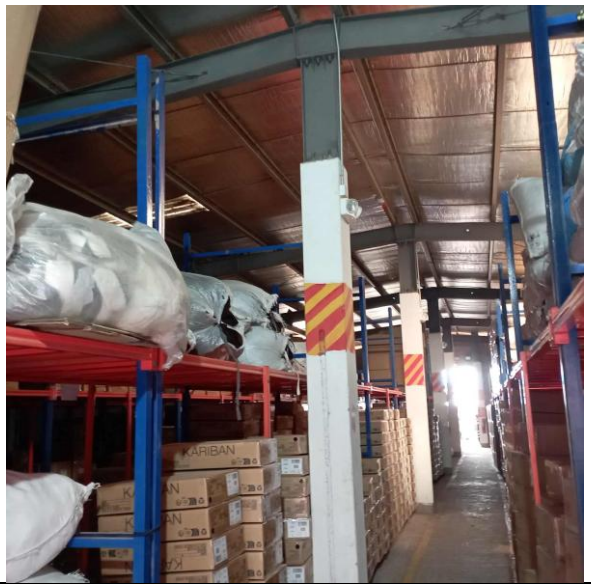
3 March 2025

1. Executive Summary

1. **Shed-1:** Single-storied steel shed with a small self-supported mezzanine floor.
2. **Shed-2:** Single-storied steel shed.

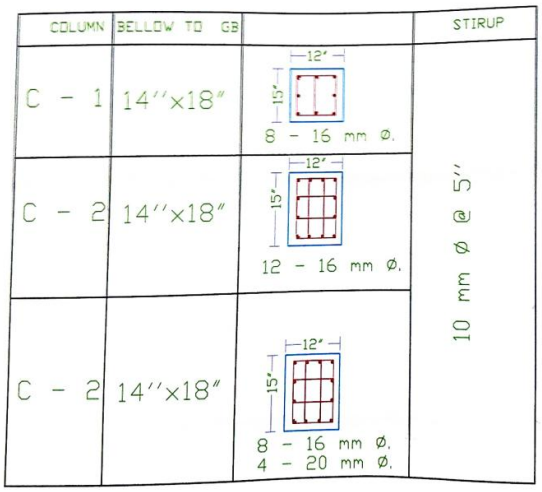
2. Observation

Observation 1: Lack of lateral stability (Shed-1).



Description: Lateral load transfer media and vertical bracing are not provided to transfer and resist the lateral load. The building engineer is required to check the lateral stability of the structure and prepare a design report as per 1.9.1 BNBC.

Observation 2: Discrepancy and missing information in the provided drawing (Shed-1).



Description: All the columns were found as 300mmX300mm instead of 375mmX300mm. Also, no details of the steel part are provided in the drawing. The building engineer is required to prepare a full set of accurate as-built drawings.

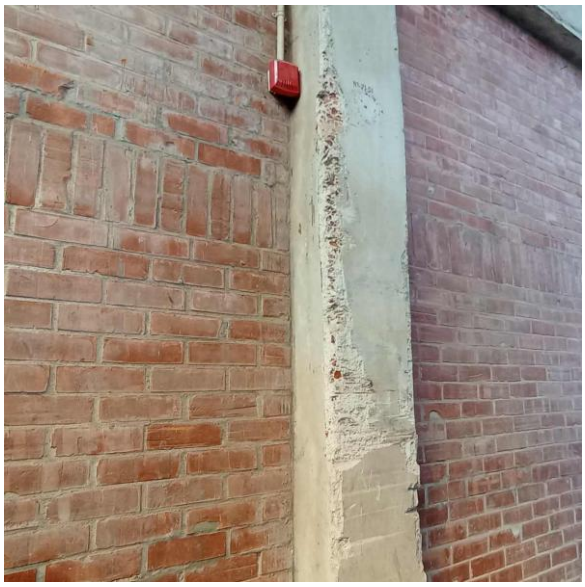
Observation 3: Corrosion on steel members (Shed-1).

Description: Corrosion was observed on steel members at several locations. The building engineer is required to remove the corrosion and provide rust-proof paint on steel members.

Observation-4: Non-structural elements found not anchored/braced (Shed-1).

Description: Nonstructural elements (storage racks) were found not anchored/braced. The building engineer is required to anchor/brace all nonstructural elements within the factory.

Observation-5: Column damage due to vehicle impact (Shed-1).



Description: Column damage due to vehicle impact. The building engineer is required to repair column damage and provide a barrier to avoid vehicle impact.

Observation 6: Lack of lateral stability (Shed-2).

Description: Lateral load transfer media and vertical bracing are not provided to transfer and resist the lateral load. The building engineer is required to check the lateral stability of the structure and prepare a design report as per 1.9.1 BNBC.

Observation 7: Discrepancy and missing information in the provided drawing (Shed-2).

DET. OF COLUMN SCHEDULE

COLUMN	BELLOW TO GB		STIRUP
C - 1	14"x14"	12" × 12", 6 - 16 mm Ø.	10 mm Ø @ 5"
C - 2	14"x14"	12" × 12", 10 - 16 mm Ø.	

Description: All the periphery column (C1) was found as 250mmX250mm instead of 300mmX300mm. Also, no details of the steel part are provided in the drawing. The building engineer is required to prepare a full set of accurate as-built drawing.

Observation-8: Non-structural elements found not anchored/braced (Shed-2).

Description: Nonstructural elements (storage racks) were found not anchored/braced. The building engineer is required to anchor/brace all nonstructural elements within the factory.

3. Action Plan

Item No.	Observation	Action Plan	Timeline
1.	Lack of lateral stability (Shed-1).	The building engineer is required to check the lateral stability of the structure and prepare a design report as per 1.9.1 BNBC.	within 6 weeks
2.		Implement remediation work if required.	within 6 months
3.	Discrepancy and missing information in the provided drawing (Shed-1).	The building engineer is required to prepare a full set of accurate as-built drawings.	within 6 weeks
4.	Corrosion on steel members (Shed-1).	The building engineer is required to remove the corrosion and provide rust-proof paint on steel members.	within 6 weeks
5.	Non-structural elements found not anchored/braced (Shed-1).	The building engineer is required to anchor/brace all nonstructural elements within the factory.	within 6 months
6.	Column damage due to vehicle impact (Shed-1).	The building engineer is required to repair column damage and provide a barrier to avoid vehicle impact.	within 6 weeks
7.	Lack of lateral stability (Shed-2).	The building engineer is required to check the lateral stability of the structure and prepare a design report as per 1.9.1 BNBC.	within 6 weeks
8.		Implement remediation work if required.	within 6 months
9.	Discrepancy and missing information in the provided drawing (Shed-2).	The building engineer is required to prepare a full set of accurate as-built drawings.	within 6 weeks
10.	Non-structural elements found not anchored/braced (Shed-2).	The building engineer is required to anchor/brace all nonstructural elements within the factory.	within 6 months