

Southeast Sweaters Ltd. NEW – (Extension)

278/A, Mehernagar, Dobadia, Uttarkhan, Dhaka.

(23.862636, 90.446229)

15 September 2024

Structural Inspection Report

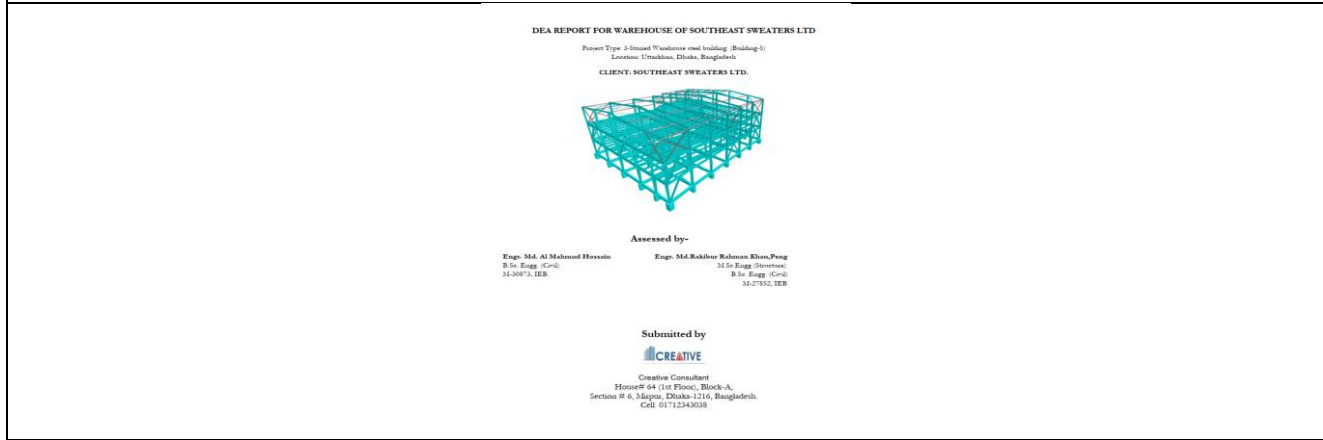


1. Building Information:

Warehouse Building: 3-storied (G+2) prefabricated steel building.
ETP Building: Single-storied RC building.

1. Observation

Observation 1: Lack of information in the design report (Warehouse Building).



Description: A design report was available onsite that doesn't include all the information. Pile capacity check is not provided separately for gravity and lateral load. The flexural capacity of the pile cap is not provided. Also, all serviceability and irregularity checks are not provided as per BNBC. The building engineer is required to update the design report as per 1.9.1 BNBC.

Observation 2: Discrepancy in as-built drawing (Warehouse Building).

<u>RAFTER SCHEDULE</u>				
C.S.	D (mm)	TW (mm)	BF (mm)	TF (mm)
R-201	250	5	125	6
R-202	350	6	175	8
R-203	650-350	6	175	10

Description: The thickness of rafter R-203 was measured as 8mm instead of 10 mm. The building engineer is required to survey the whole structure and update the as-built drawing.

Observation 3: Corrosion on steel members (Warehouse Building).



Description: Corrosion was found on steel members in the toilet zone. Remove the corrosion and apply rust proof coating on steel members.

1. Action Plan

Item No.	Observation	Action Plan	Timeline
1.	Lack of information in the design report (Warehouse Building).	The building engineer is required to update the design report as per 1.9.1 BNBC-2006.	within 6 weeks
		Implement remediation work if required.	within 6 months
2.	Discrepancy in as-built drawing (Warehouse Building).	The building engineer is required to survey the whole structure and update the as-built drawing.	within 6 weeks
3.	Corrosion on steel members (Warehouse Building).	Remove the corrosion and apply rust proof coating on steel members.	within 6 weeks