

BKC Sweater Limited (Extension)

Plot no. 212-214, Degerchala main road, Degerchala, National University, Gazipur.

(23.963126, 90.388547)

27 February 2024



1. Building Information

Extension Production Shed: It is a single-storied steel shed.

Staff Dining Shed: It is a single-storied steel shed.

Compressor Room: This is a single-storied steel shed.

ETP: It is a single-storied reinforced concrete building.

2. Observations

Observation-1: Lack of design documents. (Extension Production Shed)



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, design documents (including complete as-built drawings, design report and material test reports) were not available which are required to be prepared in compliance with section 1.9.1 (part-6, BNBC).

Observation-2: Apparently non-engineered connection/Shed. (Staff Dining Shed, Compressor Room)



Staff Dining Shed



Compressor Room

Description: During inspection, as-built drawing was not found on site. Steel rafter (box section) rested on the brick wall. The building engineer is required to check the connection adequacy of the lightweight roof against the uplift pressure of the wind. Also, building engineer is required to survey the structure and prepare accurate as-built drawings.

Observation-3: Corroded re-bar and tin shed. (ETP)



Description: Corroded re-bar and tin shed was observed at ETP. The building engineer is required to identify all corroded members, remove the corrosion, and apply suitable anti-corrosive coating to the affected steel members.

3. Action Plan

Observation	Action Plan	Timeline
Lack of design documents. (Extension Production Shed)	The building engineer is required to prepare design documents (including as-built drawings, design report and material test reports) in compliance with section 1.9.1 (part-6, BNBC).	within 6 weeks
	Carry out the suggested remedial works.	within 6 months
Apparently non-engineered connection/Shed. (Staff Dining Shed, Compressor Room)	Building engineer is required to survey the structure and prepare accurate as-built drawings.	within 6 weeks
	Building engineer is required to check the connection of the steel roof for the uplift pressure of wind.	within 6 weeks
	Complete implementation of remedial works if required.	within 6 months
Corroded re-bar and tin shed. (ETP)	Building Engineer is required to identify all corroded member, remove the corrosion, and apply suitable anti-corrosive coating to the affected steel members.	within 6 weeks