

Adury Apparels Ltd (Extension-02)

Karardi, Shibpur, Narsingdi

(24.30680, 90.38869)

9 November 2023

Structural Inspection Report

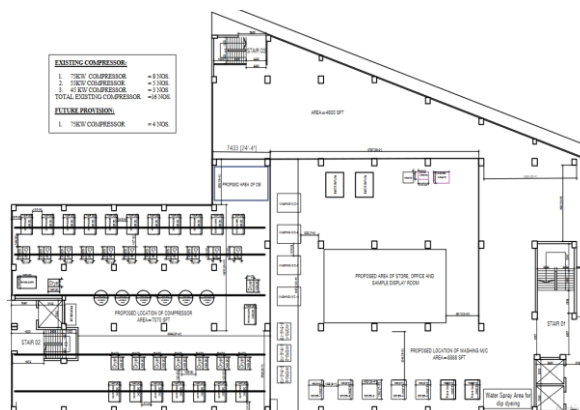


Building Information

1. **Building-5:** This structure is a two storied (G+1) reinforced concrete (RC) building.

Observations:

Observation-1: Lack of information in as-built drawing. (Building-5)



Typical Floor layout plan

Description: During inspection, only floor layout plan was provided in available as-built architectural drawing. No elevation view and sectional details were provided. Building engineer is required to update as-built drawing incorporating all architectural details of this Building.

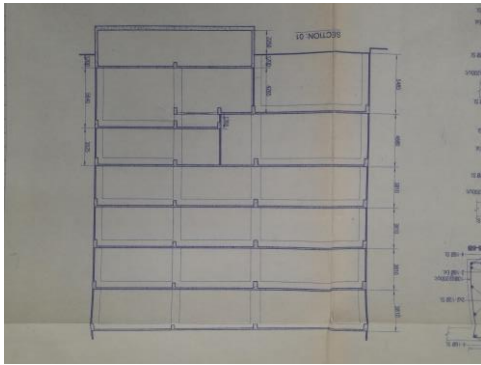
Observation-2: Absence of design documents. (Building-5)



Building-5

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 report was not available which is required to be prepared in compliance with BNBC 2020.

Observation-3: Possible vertical extension. (Building-5)



Permit drawing- 6 storey



Building-5

Description: The building has a permit drawing for 6 storied and the factory is intended to conduct vertical extension in future. However, the building is currently existed as two storied. The building engineer is required to prepare a Detail Engineering Assessment (DEA) report prior to the start of vertical extension.

Observation-4: Possible falling hazard on roof. (Building-5)



Falling Hazard on 1st floor



Falling Hazard on roof level

Description: During inspection the barrier was observed in 1st floor and roof level. Factory is required to provide parapet/railing at all locations of roof and staircase to avoid possible falling hazard.

Observation-5: Corrosion on exposed rebars on roof. (Building-5)



Exposed rebar at roof



Corrosion in exposed rebars

Description: Corrosion was observed on exposed rebars on roof. Factory is required to provide rust proof paint on exposed rebars to protect from corrosion.

2. Action Plan:

Observation	Action Plan	Timeline
Lack of information in as-built drawing. (Building-5)	Building engineer is required to update as-built drawing incorporating all architectural details of this building.	within 6 weeks
Absence of design documents. (Building-5)	Building is required to prepare a set of design report in compliance with BNBC.	within 6 weeks
Absence of design documents. (Building-5)	Implement remediation work if required.	within 6 months
Possible vertical extension. (Building-5)	Factory engineer is required to prepare a Detail Engineering Assessment (DEA) report prior conducting any vertical extension.	within 6 weeks
Possible vertical extension. (Building-5)	Implement remediation work if required.	within 6 months
Possible falling hazard on roof. (Building-5)	Factory is required to provide parapet/railing at all locations of roof and staircase to avoid possible falling hazard.	within 6 weeks
Corrosion on exposed rebars on roof. (Building-5)	Factory is required to provide rust proof paint on exposed rebars to protect from corrosion.	within 6 months

