

HASAN TANVIR FASHION WEARS LTD. (EXTENSION)

397 Chandana Chowrasta, Joydevpur Road, Gazipur-1702, Bangladesh.

(23.990171, 90.386736)

16 March 2025

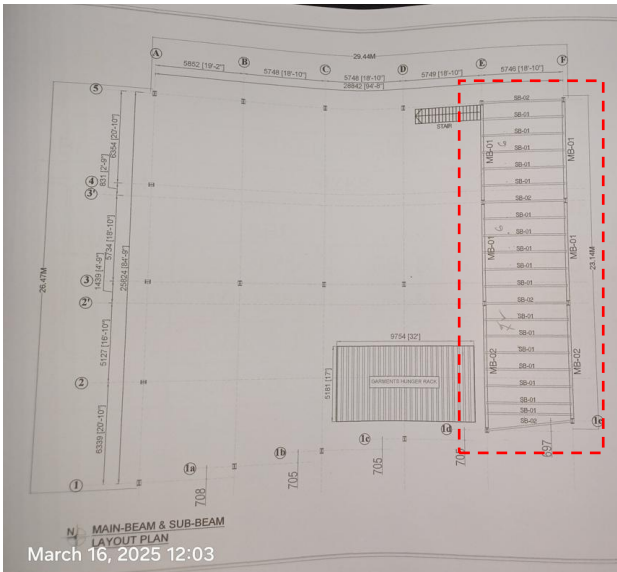


1. Building Information

1. **Finished goods store:** This is a single-storied steel shed with a mezzanine on the south side.
2. **Security & Fire Control Room:** This is a two-story (G+1) RC building.
3. **Fire Hydrant Room:** This is a single-story RC building with a basement.

2. Observations:

Observation-1: Mismatch in as-built drawings. (Finished Goods Store)



Mezzanine beam layout



Secondary beam of the mezzanine

Description: According to the as-built drawing, 21 secondary beams were specified, but a total of 23 secondary beams were found on-site.

Building engineer is required to survey the structure and prepare accurate as-built drawings.

Observation-2: Design report is required to be reviewed by RSC for lateral loading. (Finished Goods Store)



Description: A set of design reports was available for the Finished Goods Store, except mezzanine floor load plan.

The prepared design report needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review. Also, prepare a loading plan for the mezzanine floor.

Observation-3: Poorly connected cable bracings on the wall. (Finished Goods Store)



Description: During the inspection, poorly connected cable bracings were found on the northside wall. Building engineer is required to install the bracings properly.

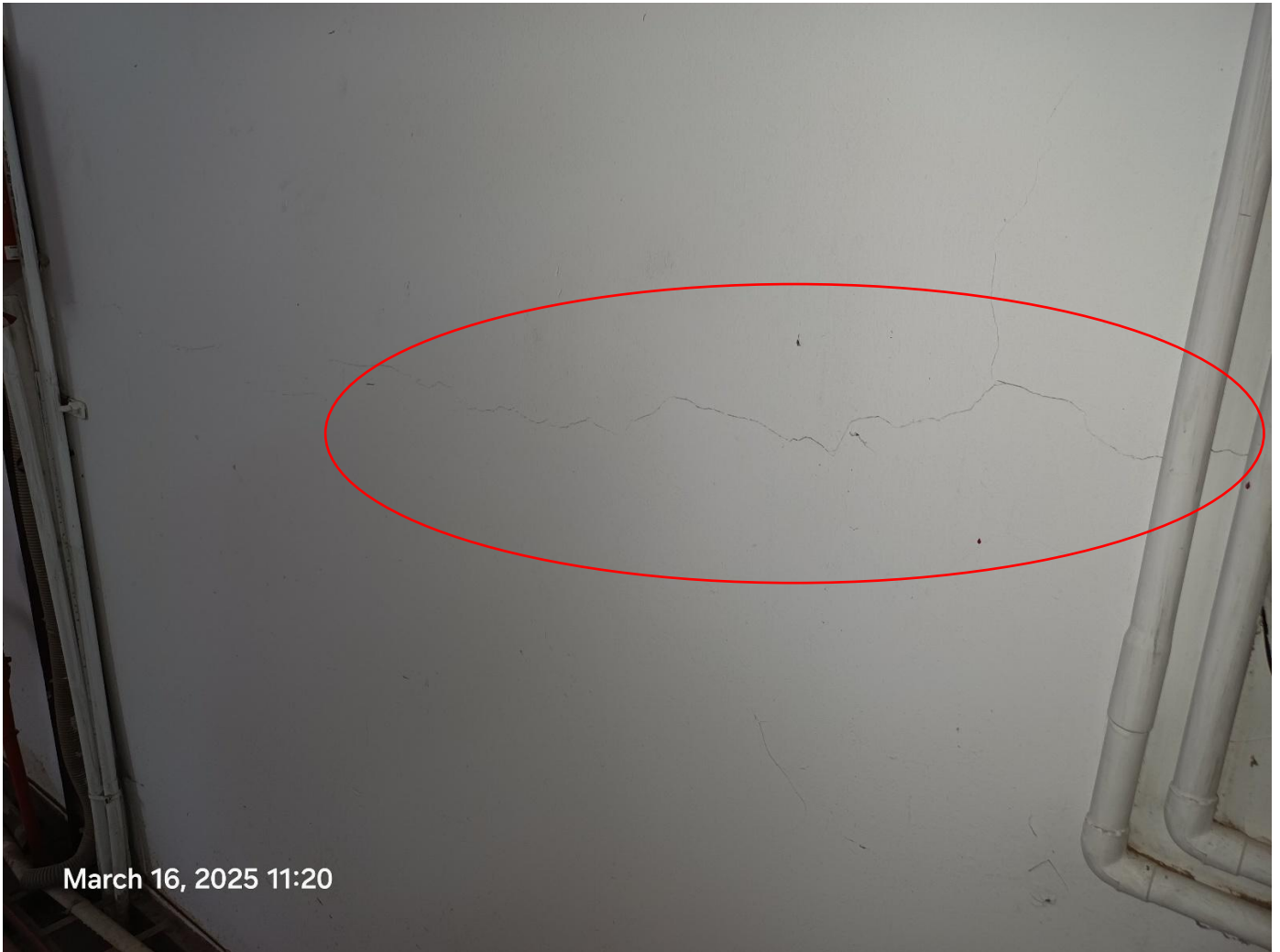
Observation-4: Lack of design documents (Security & Fire Control Room)



Description: As per BNBC, every building or structure designed shall have its design documents prepared following 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 sections 1.9.1.1 and 1.9.1.2 as per BNBC.

At the time of inspection, design documents (design report, load plan, and adequate material test reports) were not available, which are required to be prepared in compliance with section 1.9.1 (part-6, BNBC).

Observation-5: Crack on retaining wall. (Fire Hydrant Room)



Description: Cracks were observed in the retaining wall. Building engineer is required to investigate the reason for the crack and repair as per the suggestion of the investigation report.

3. Action Plan:

Item No.	Observation	Action Plan	Timeline
1.	Mismatch in as-built drawings. (Finished Goods Store)	Building engineer is required to survey the structure and prepare accurate as-built drawings.	within 6 weeks
2.	Design report is required to be reviewed by RSC for lateral loading. (Finished Goods Store)	Prepare a loading plan for the mezzanine floor.	within 6 weeks
3.		The prepared design report needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
4.		Carry out the suggested remedial work if required.	within 6 months
5.	Poorly connected cable bracings on the wall. (Finished Goods Store)	Building engineer is required to install the bracings properly.	within 6 weeks
6.	Lack of design documents (Security & Fire Control Room)	The building engineer is required to prepare design documents (including design reports, material test reports, live load plan) in compliance with section 1.9.1 (part 6, BNBC).	within 6 weeks
7.		Carry out the suggested remedial work if required.	within 6 months
8.	Crack on the retaining wall. (Fire Hydrant Room)	Building engineer is required to investigate the reason for the crack and repair as per the suggestions of the investigation report.	within 6 weeks