

Rizvi Fashions Ltd. (Extension)

Anwar Jang Road, 1 No Kalma Bazar, Savar, Dhaka- 1341

(23.877754, 90.289206)

18 June 2025

Structural Inspection Report



1. Building Information:

Building -2	6-storied (G+5) RC building.
Stair And Lift Building	6-storied (G+5) RC building.

1. Observation:

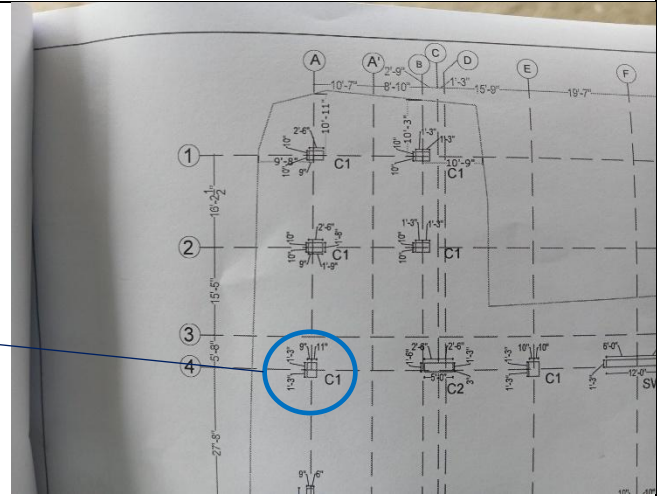
Observation 1: Lack of design report, in situ material test report (Building -2, Stair and Lift Building).



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, a set of construction drawings were available for proposed 7 storied structure. However, any design report was not available. Also, no in situ material test report (cylinder test report, rebar test report) was available.

The building engineer is required to verify in situ material test for concrete and steel and prepare an Engineering Assessment (EA) report with proper remediation plan (if required) and submit to RSC for review.

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



Description: During Inspection, Column orientation of C1 column didn't match between drawing and onsite condition. In addition, rebar
The building engineer is required to survey the structures and prepare a comprehensive as built Drawings.

Observation 03: Falling hazard on 4th floor and Roof (Building -2, Stair and Lift Building).



Description: During inspection, no railing/parapet wall was observed on the 4th floor and Roof.
The building engineer is required to provide railing/parapet walls to avoid falling hazard.

Observation-4: Lack of Construction safety practice (Building -2, Stair and Lift Building).



Description: During Inspection, construction safety practice was not observed during construction work such as using fall protection system (entry restriction, barriers, platform, walkway), personal protection equipment (helmet, boot, harness), caution signages, trainings, electrical & fire safety and so on.

The building engineer is required to ensure construction safety practice following BNBC (part-7, chapter 3&4) guideline till the completion of all construction work.

2. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	Lack of design report, in situ material test report (Building - 2).	Verify in-situ concrete material strength by taking concrete cores (minimum 4 nos and 100 mm diameter) from lower tier building columns and prepare steel rebar test report.	within 6 weeks
2.		Building engineer is required to review, design of foundation stress and prepare a Engineering Assessment (EA) report with proper remediation plan and submit to RSC for review.	within 6 weeks
3.		Carry out remedial work if required.	within 6 months
4.	Mismatch in as-built drawing (Building-2).	The building engineer is required to survey the structures and prepare comprehensive as built drawings.	within 6 weeks
5.	Falling hazard on 4th floor and Roof (Building-2).	The building engineer is required to provide railing/parapet wall to avoid Falling hazard.	Immediate
6.	Lack of design report, in situ material test report (Stair and Lift Building).	Verify in-situ concrete material strength by taking concrete cores (minimum 4 nos and 100 mm diameter) from lower tier building columns and prepare steel rebar test report.	within 6 weeks
7.		Building engineer is required to review, design of foundation stress and prepare a Engineering Assessment (EA) report with proper remediation plan and submit to RSC for review.	within 6 weeks
8.		Carry out remedial work if required.	within 6 months
9.	Falling hazard on 4th floor and Roof (Stair and Lift Building).	The building engineer is required to provide railing/parapet wall to avoid Falling hazard.	Immediate
10.	Lack of Construction safety practice (Building -2, Stair and Lift Building).	The building engineer is required to ensure construction safety practice following BNBC (part-7, chapter 3&4) guideline till the completion of all construction work.	Immediate