

PRIME CAP (BD) LTD

MRIDHA MANSION, JAMGORA, ASHULIA, SAVAR, DHAKA 1349, Bangladesh

(23.938060, 90.285600)

21 October 2025

Structural Inspection Report



1. Building Information:

Building-1 (Main Building),	Seven storied (G+6) RC Building.
Building-2 (Security & CFDS Building),	Single storied RC Building.
Building-3 (Utility Building)	Two storied (G+1) RC Building.
Building-4 (Shed Building).	Single storied steel shed with underground fire pump room

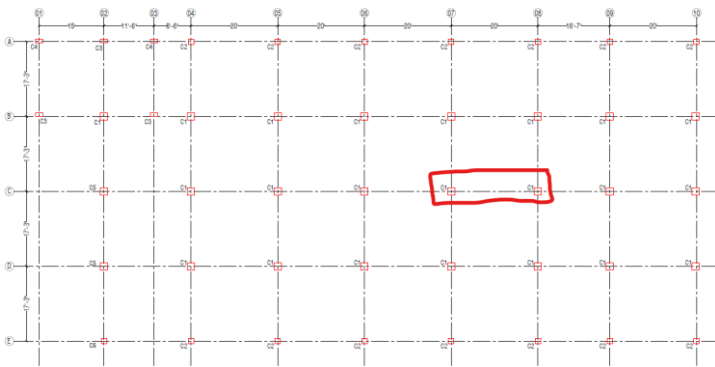
2. Observation:

Observation-01: Revision of design documents for lateral loads (Building-1, 2, 3, & 4)



Description: A set of design documents was available. The building engineer is required to update the design documents and submit to RSC for detailed review against lateral forces.

Observation-02: Mismatch of as-built drawing for Building-1 (Main Building)



SCHEDULE OF COLUMN SIZE AND REINFORCEMENT DETAILS						
COL NO.		BELOW GROUND FLOOR	GROUND FLOOR	1ST FLOOR	2ND & 3RD FLOOR	4TH & 5TH FLOOR
C1	SIZE	23"x23"	20"x20"	20"x20"	20"x20"	20"x20"
	TIE	10mmØ@ 4"-6"-4" C/C	10mmØ@ 4"-6"-4" C/C	10mmØ@ 4"-6"-4" C/C	10mmØ@ 4"-6"-4" C/C	10mmØ@ 4"-6"-4" C/C

Description: 4 rebar was found by scanning instead of 5 rebar in C1 column at grid C-7 & C-8. Also, toilet zone rise was found more than 200 mm instead of 160 mm on the 1st floor.

Observation 03: Dampness on brick wall (Building-1)



Description: Dampness was found on exterior wall, plumbing pipe area, toilet zone and stair walls. Seal the source of water and repair the damp area with suitable method.

Observation 04: Potential vehicle impact on column (Building-1)



Description: Ground floor column was susceptible for vehicle impact. The building engineer is required to provide separate barriers around the columns to avoid impact on columns.

Observation 05: Lack of anchorage for storage racks (Building-3)



Description: Lack of anchorage observed for storage racks. The building engineer is required to provide adequate anchorage or brace to the non-structural elements within the building.

Observation 06: Damaged concrete surface and plaster (Building-1)



Description: Damaged concrete surface and plaster was observed in several locations of the building. The building engineer is required to repair the damage and provide the necessary column guard where required.

Observation 07: Loose bracing (Building-4)



Description: Loose cable bracing observed. The building engineer is required to tighten the loose bracings in the proper way.

3. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	Revision of design documents for lateral loads (Building-1)	The prepared design report needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
2.		Update floor load plan in compliance with BNBC and current floor occupancy.	within 6 weeks
3.		Carry out remedial work if required.	within 6 months
4.	Mismatch/lack of as-built drawing (Building-1)	The building engineer is required to survey the structure and prepare accurate as-built drawings reflecting on on-site condition.	within 6 weeks
5.	Dampness on the brick wall (Building-1)	The building engineer is required to seal the source of water and repair the damp area with suitable method.	within 6 months
6.	Potential vehicle impact on column (Building-1).	The building engineer is required to provide separate barriers around the columns to avoid impact on the columns.	within 6 months
7.	Damaged concrete surface and plaster (Building-1)	The building engineer is required to repair the damage and provide the necessary column guard where required.	within 6 weeks
8.	Revision of design documents for lateral loads (Building-2)	The prepared design report needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
9.		Carry out remedial work if required.	within 6 months
10.	Revision of design documents for lateral loads (Building-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

11.		Update floor load plan in compliance with BNBC and current floor occupancy.	within 6 weeks
12.		Carry out remedial work if required.	within 6 months
13.	Lack of anchorage for storage racks (Building-3).	The building engineer is required to provide adequate anchorage or bracing to the non-structural elements within the building.	within 6 months
14.	Revision of design documents for lateral loads (Building-4)	The prepared design report needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
15.		Update floor load plan in compliance with BNBC and current floor occupancy.	within 6 weeks
16.		Carry out remedial work if required.	within 6 months
17.	Loose bracing (Building-4)	The building engineer is required to tighten the loose bracings properly.	within 6 months