

4A Yarn Dyeing Ltd. (Extension buildings)

Kaichabari, Ashulia, Savar, Dhaka
(23.945907, 90.262325)
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Buildings Information

1. Building-2 (Production Unit- 02) (G+6)
2. Building-3 (Warehouse) (G+1)
3. Building-4 (Utility Building) (G+1)
4. Building-5 (Gate House) (Single Storied)
5. Building-6 (Pump Room) (Single Storied)
6. Building-7 (Health Care Center) (Single Storied)

Observations

Vertical bracing missing



Missing vertical bracing. Building engineer is required to check the lateral stability of the existing bracing system.

Floor Load Plan need to be revised



5 kPa considered in Load plan of warehouse. As per BNBC requirement for light storage building minimum floor loading is 6 kPa. Building engineer is required to revise the prepared live load plan and review the design.

Possible vehicle impact loading on column



Improper roof drainage system



Stagnant Water observed on the roof. Building engineer is required to improve the roof drainage system.

Problems Observed

Building 3 (Warehouse) :

- 1: Vertical bracing missing.
- 2: Floor Load Plan need to be revised.
- 3: Possible vehicle impact loading on column.

Building 4 (Utility Building):

- 3: Improve roof drainage system.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Vertical bracing missing. (Building 3)	Building engineer is required to check the lateral stability of the existing bracing system.	6-weeks
02	Vertical bracing missing. (Building 3)	Install missing bracing as per design.	6-weeks
03	Floor Load Plan need to be revised. (Building 3)	Building engineer is required to revise the prepared live load plan and review the design.	6-weeks
04	Floor Load Plan need to be revised. (Building 3)	Implement floor load plan.	6-months
05	Possible vehicle impact loading on column. (Building 3)	Provide vehicle impact protection to the susceptible column.	6-weeks
06	Improve roof drainage system.(Building 4)	Building engineer is required to improve roof drainage system to prevent stagnant water.	6-weeks