

AKH FASHIONS LTD (EXTENSION)

133-134, Hemayetpur, Savar, Dhaka

(23.79425, 90.27349)

15 December 2024

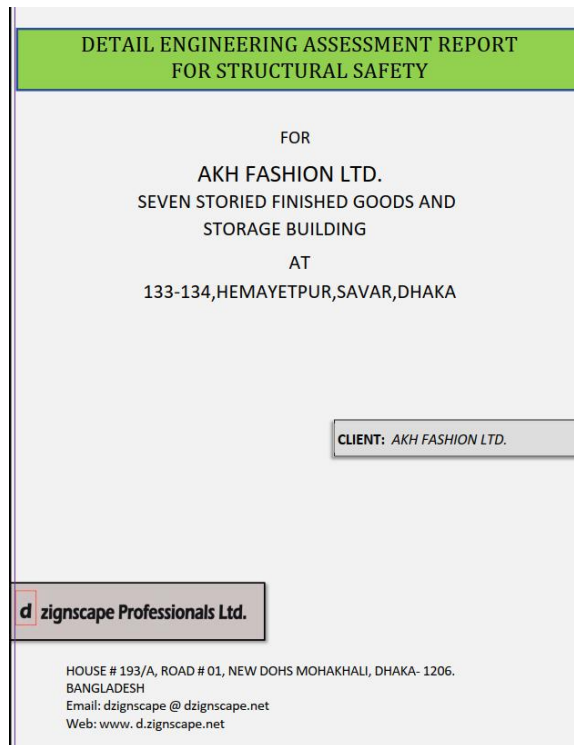


1. Building Information

1. The building is a 7-storied (G+6) reinforced concrete (RC) building.

2. Observation

Observation 1: Lack of information in the design report. (Finished Goods Storage Building).



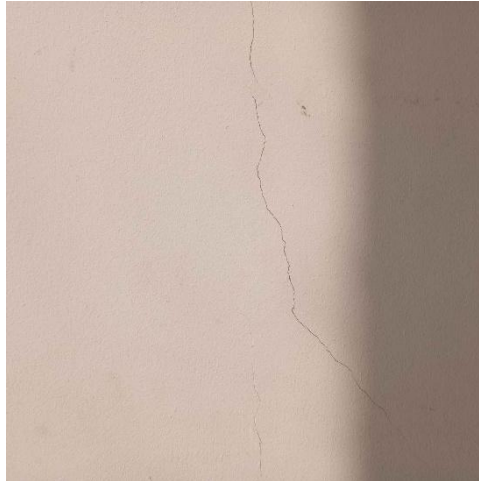
Description: The framing system (OMRF/IMRF/SMRF) is not defined, and the R-value is considered 8 without any calculation/justification. Not all serviceability and irregularities checks are provided as per BNBC. Also, the flexural capacity check for the pile cap is not provided. The building engineer is required to update the design report and submit it to RSC for review against lateral loadings.

Observation 2: Water ponding on roof slab (Finished Goods Storage Building).



Description: Water ponding was found on the roof slab. The building engineer is required to improve the drainage system on the roof slab.

Observation 3: Crack on brick wall surface (Finished Goods Storage Building).



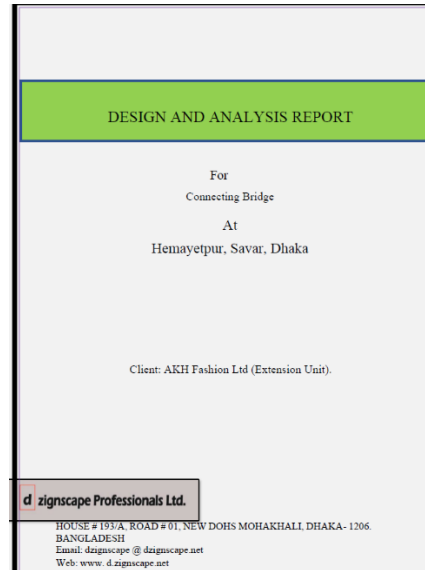
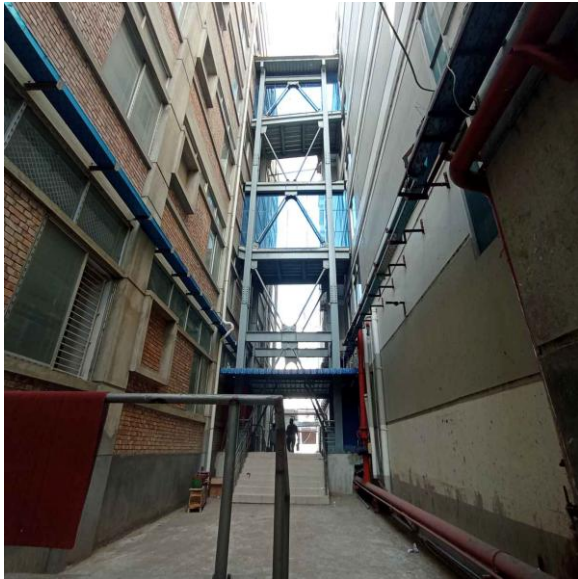
Description: A crack was found on the brick wall surface at the south stair. The building engineer is required to check the reason of crack and repair it with suitable method.

Observation 4: Holes on floor beam (Finished Goods Storage Building).



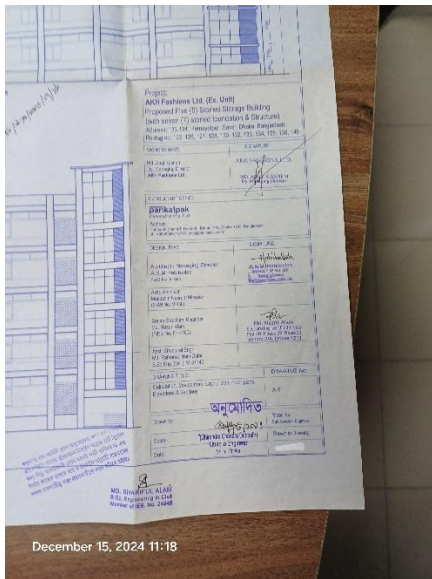
Description: Holes were observed on the floor beam (periphery south side). The building engineer is required to check the effect of holes and if required repair the hole with a suitable method.

Observation 5: Lack of information in the design report. (Connecting bridge).



Description: The framing system is not defined (OMRF/IMRF/SMRF). No connection adequacy check is included. Also, the foundation adequacy check is not provided properly. The building engineer is required to update the design report and submit it to RSC for review.

Observation 6: Updated building permit from local authority not available. (Finished Goods Storage Building).



Description: During the inspection, a building permit from the local authority was available for a 5-storied building (with a proposed 7-storied foundation & structure). However, the building was found 7-storied. The factory authority is required to collect updated building permits from the local authority for existing conditions.

3. Action Plan

Item No.	Observation	Action Plan	Timeline
1.	Lack of information in the design report. (Finished Goods Storage Building)	The building engineer is required to update the design report and submit it to RSC for review against lateral loads.	within 6 weeks
2.		Carry out the suggested remedial works.	within 6 months
3.	Water ponding on roof slab (Finished Goods Storage Building)	The building engineer is required to improve the drainage system on the roof slab.	within 6 months
4.	Crack on brick wall surface (Finished Goods Storage Building)	The building engineer is required to check the reason of the crack and repair it with suitable method.	within 6 weeks
5.	Holes on floor beam (Finished Goods Storage Building)	The building engineer is required to check the effect of holes and if required repair the hole with a suitable method.	within 6 weeks
6.	Lack of information in the design report. (Connecting bridge)	The building engineer is required to update the design report and submit it to RSC for review against lateral forces.	within 6 weeks
7.		Carry out the suggested remedial works.	within 6 months
8.	Updated building permits from the local authority not available. (Finished Goods Storage Building)	The factory authority is required to collect updated building permits from the local authority for existing conditions.	within 6 months