

MARK DESIGNERS LIMITED (10144)

Plot # 12-14, Road #3, Section #11, Mirpur, Dhaka

(+23.817032N, 90.365189E)

30.MARCH.2014



ACCORD
on Fire and Building Safety in Bangladesh



Identified Priority 3 Concerns

Priority 3 Concern



No waterproofing membrane was visible on the roof of the building. This means that any cracks in the surface finishes on the roof will allow water to seep into the concrete slab beneath the finishes, and cause long-term soaking of the slab.

Roof Floor does not appear to have any waterproof membrane to protect lower floor from water damage

Priority Actions

Problems Observed Summary

- ITEM 1: (1st Priority 2) The factor of safety of the column is between 1.5 and 1.86. Factory engineer to review design, loads and column stresses.**
- ITEM 2: Priority 3) Roof appears not to have any waterproofing system applied.**

Item 1 and actions

Preliminary load take-down calculations indicates that the columns factor of safety is between 1.5 and 1.86.

Priority 1 (Immediate – Now)

- None required.

Priority 2 (within 6 – weeks)

- Factory Engineer to review design, loads and columns stresses.
- Verify insitu concrete stresses by 100mm dia. cores from 4 typical internal columns.

Priority 3 (within 6-months)

- Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.

Item 4 and actions

Roof appears not to have any waterproofing system applied.

Priority 1 (Immediate – Now)

- None required.

Priority 2 (within 6 – weeks)

- None required.

Priority 3 (within 6-months)

- Consider applying a new waterproofing membrane.