

Sadma Fashion Wear Ltd. (9458)

Bunon Knit Wear Ltd.

Mouchak, Kaliakoir, Gazipur

(+ 24.022281N, 90.288608E)

10.AUGUST.2014



Identified Priority 1 Concerns

(None)

Identified Priority 2 Concerns

- No loading plans exist for the structure.



There are no loading plans for the structure in any area.

Identified Priority 3 Concerns

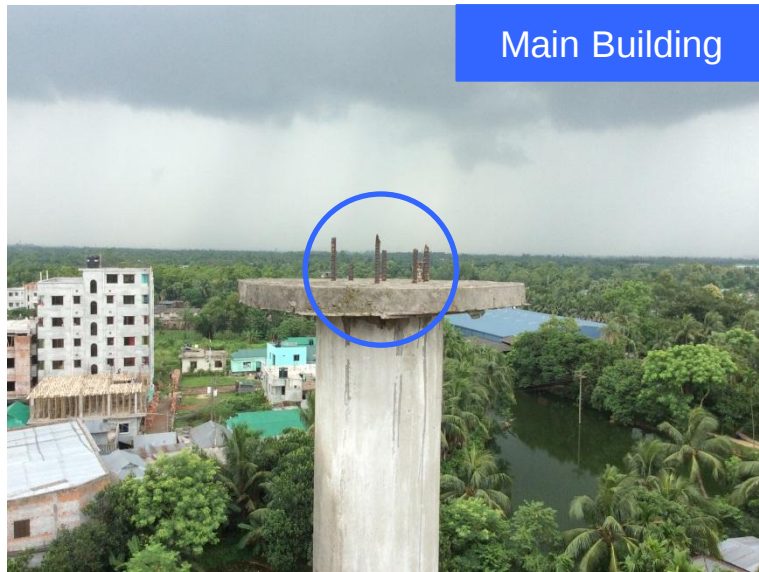
- No parapet wall or guardrail present at top level of Main Building.
- Reinforcement left exposed at top level of Main Building.
 - No fireproofing material for structural steel elements (if required).



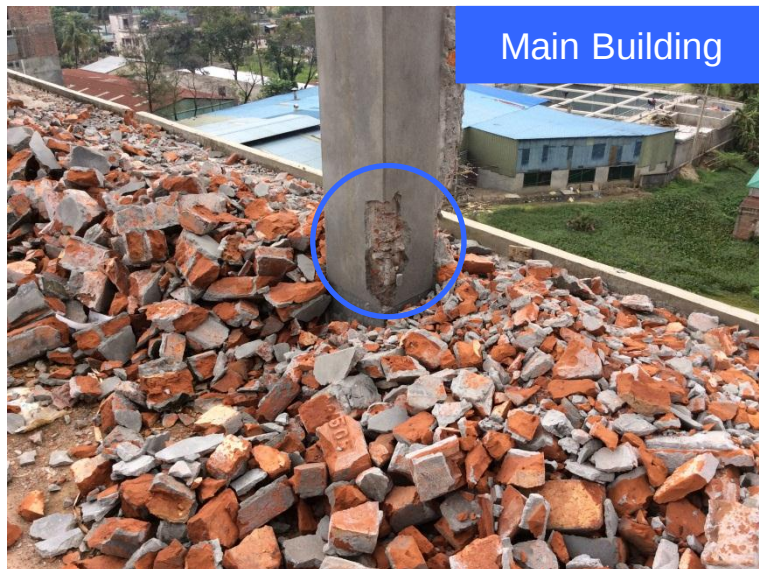
There is no parapet wall around the top level perimeter of Main Building.



Whilst not a structural issue, this is a significant health and safety risk and should be rectified.



Reinforcement is left exposed at top level of Main Building.





Dyeing Shed



Knitting Shed



Knitting Shed

No fireproofing material was noted on structural steel elements at Dyeing Shed and Knitting Shed (if required).

Overall Stability System

Main Building



Concerns on the stability system for lateral loading for sheds. The lateral loading resistance is provided by moment frame action in one direction but braces that you would expect to find in the other direction were not found. Stability and capacity must be checked especially the connections. And stability under wind uplift needs to be checked in particular.

We require that the stability of these buildings is investigated as part of a Engineering Assessment.

The lateral loading resistance for Main Building, 7 storeys, is provided by moment frame action without any shear walls and the façade brickwork walls lack moment capacity due to their poor connections with the surrounding columns and beams. This building also has one very tall unbraced column at the North-West corner.

Knitting Shed



Water Ingress



Water ponding was found at top level of Main Building. Cracking and spalling was found on cementitious floor screeding.

Priority Actions

Problems Observed Summary

- | | | |
|---------|--------------|--|
| ITEM 1: | (Priority 2) | No loading plans exist for the structure. |
| ITEM 2: | (Priority 2) | Overall stability system. |
| ITEM 3: | (Priority 3) | No waterproofing material on the Main Building. |
| ITEM 4: | (Priority 3) | No parapet wall or guardrail present at top level of Main Building. |
| ITEM 5: | (Priority 3) | Reinforcement left exposed at top level of Main Building. |
| ITEM 6: | (Priority 3) | No fireproofing material for structural steel elements at Dyeing Shed and Knitting Shed (if required). |

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Priority 2 - No loading plans exist for the structure.	An Engineering Assessment is required to review the design and loads. Factory Engineer to state the maximum weight that is allowed per square meter. State the values clearly on notice boards in these areas. (Loading Plans).	6-weeks
2	Priority 2 - No loading plans exist for the structure.	Maintain standards of quality control to ensure that storage procedures are correctly followed.	6-months
3	Priority 2 - Overall stability system.	An Engineering Assessment of the overall building to be carried out and in particular, stability and foundation aspects should be investigated in detail.	6-weeks
4	Priority 3 - No waterproofing material on the Main Building.	Waterproofing on the roof slab is to be applied. Moreover the roof slab drainage system should be investigated and improved.	6-months
5	Priority 3 - No parapet wall or guardrail present at top level of Main Building.	A suitable perimeter parapet wall or guardrail should be constructed along the building perimeter.	6-months
6	Priority 3 - Reinforcement left exposed at top level of Main Building.	For both durability and serviceability, rust proof paint or any appropriate methods is recommended.	6-months
7	Priority 3 - No fireproofing material for structural steel elements at Dyeing Shed and Knitting Shed (if required).	Fireproofing material for structural steel element is recommended as suggested in BNBC Codes. Maintain standard of quality control and protection of the fire protection.	6-months