

Sabarang Fashions Ltd. (9709)

Plot – 85, 86, Block – K, Rupnagar I/A., Section 2, Mirpur, Dhaka-1216

(+ 23.810497N, 90.357817E)

18.AUGUST.2014



Identified Priority 1 Concerns

(None)

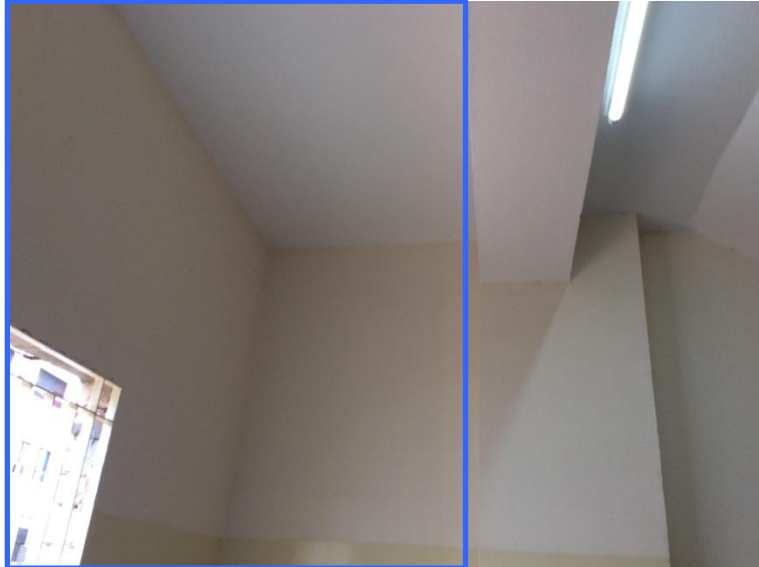
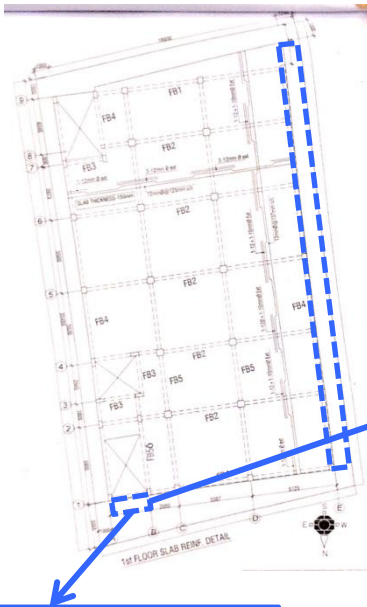
Identified Priority 2 Concerns

- Inadequacies between the drawings and the actual as-built conditions.
- Stability and capacity of steel staircase at top level.



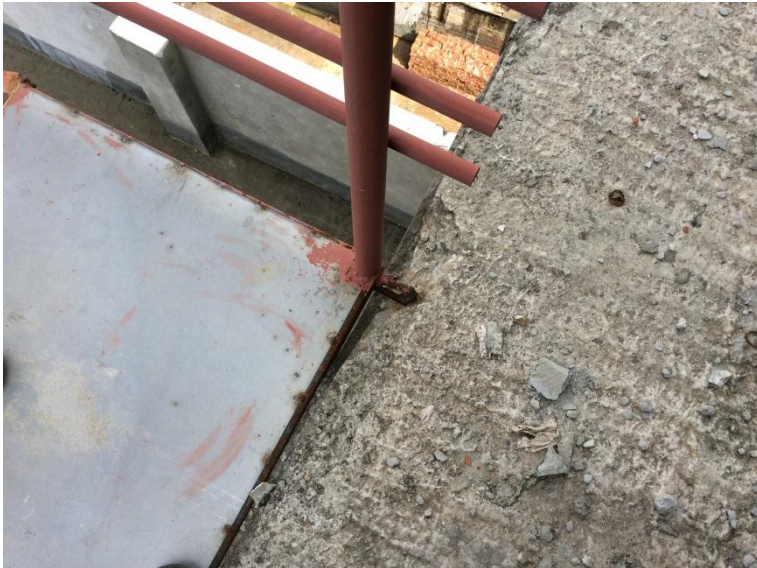
There are cantilevered slabs noted in area shown on the pictures. These do not match the structural drawings.

Floor plans and slab details need to be revised.



There are cantilevered slabs noted in area shown on the pictures. These do not match the structural drawings.

Floor plans and slab details need to be revised.



Concerns on stability and capacity of the steel stair at top level. This should be investigated and strengthened or replaced.

Identified Priority 3 Concerns

- Reinforcement left exposed at top level.



Reinforcement is left exposed at top level of building.

Overall Stability System



The lateral loading resistance for this 6-storey building 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.

We require that the stability of this building is investigated as part of an Engineering Assessment.



Water Ingress

There was no water distress noted on any slabs, beams and columns during our inspection. However, water ponding was found on the top level of the building.



Priority Actions

Problems Observed Summary

- | | | |
|---------|--------------|---|
| ITEM 1: | (Priority 2) | Inadequacies between the drawings and the actual as-built conditions. |
| ITEM 2: | (Priority 2) | Stability and capacity of steel staircase at top level. |
| ITEM 3: | (Priority 2) | Overall stability system. |
| ITEM 4: | (Priority 3) | No waterproofing materials. |
| ITEM 5: | (Priority 3) | Reinforcement left exposed at top level. |

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Priority 2 - Inadequacies between the drawings and the actual as-built conditions.	Factory Engineer to survey the actual conditions and revise the drawings. Any results of the Engineering Assessment which affect the structure should be taken on board.	6-weeks
2	Priority 2 - Inadequacies between the drawings and the actual as-built conditions.	Continue to implement and enforce loading plans.	6-months
3	Priority 2 - Stability and capacity of steel staircase at top level.	Factory Engineer to review design, loads and related elements in area identified above to confirm capacity and stability for these items. These items should be strengthened or replaced with appropriate permanent structural elements.	6-weeks
4	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
5	Priority 3 - No waterproofing materials.	Waterproofing on the roof slab is to be applied. Moreover the roof slab drainage system should be investigated and improved.	6-months
6	Priority 3 - Reinforcement left exposed at top level.	For both durability and serviceability, rust proof paint or any appropriate methods is recommended.	6-months