Chantik Garments Ltd.

Kumkumari, Gouripur, Ashulia, Savar, Dhaka.
(23.881988N,90.312175E)

10th May 2014

ACCORD on Fire and Building Safety in Bangladesh

ARUP

Observations

Deflection of cantilever concrete beam

2.0 m long cantilever concrete beam in the unused building shows slight deflection resulting in a minor crack in the masonry above.

Building Engineer to start monitoring crack and install temporary support in case of crack width increase. Engineer to carry out engineering assessment if building is to be used,

Deflection of cantilever concrete beam

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High loading on roof slab

1.3 m high brick pile on roof slab of the processing building results in high loads on roof slab.

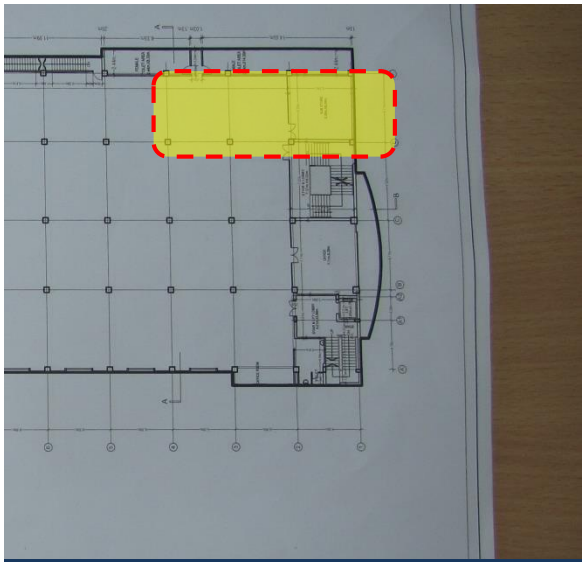
Building Engineer to make sure allowable loads are not exceeded during the construction stage. Loading to be controlled on roof with loading not to exceed 2Kn/m2

High loading on roof slab

Concrete shelves leading to high floor loads

Concrete shelves with masonry walls carry accessory boxes and apply high loads to the floor slabs. On the second and third floor there is also loose denim storage (approx. 1.6m high) in the same area.

Building Engineer to ensure loading plans are displayed and that floor loads are being managed.



Extract from typical floor plan

Concrete shelves

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Problems Observed

ITEM 1: Design/justification of cantilever concrete beam
ITEM 2: High loading on roof and floor slabs in identified locations
Item 3: Stability of dinning shed
Item 4: Stability of steel access stairs
Item 5: Lack of documentation for buildings

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Building 3 large cantilever, large deflections observed	Knock building as stated at the interview	**6-weeks**
2	Building 3 large cantilever, large deflections observed	Carry our DEA if to be used in the future in particular, justify the large cantilever.	**6-weeks**
3	Building 3 large cantilever, large deflections observed	Crack width to be monitored every 3 months.	**6-months**
4	High loading on roof and floor slabs in identified locations	Remove bricks from the roof.	**6-weeks**
5	High loading on roof and floor slabs in identified locations	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.	**6-weeks**
6	High loading on roof and floor slabs in identified locations	Continue to implement load plan.	**6-months**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
7	Stability of dinning shed	Engineer to carry out assessment of dining shed with particular emphasis on the stability of the frame	**6-weeks**
8	Stability of dinning shed	Commence remedial actions from Engineering study	**6-weeks**
9	Stability of dinning shed	Complete all remedial works	**6-months**
10	Stability of steel access stairs (building 4)	Steel access stairs appears to be non- engineered and should be assessed by the Engineer	**6-weeks**
11	Stability of steel access stairs (building 4)	Commence remedial actions from Engineering study	**6-weeks**
12	Stability of steel access stairs (building 4)	Complete all remedial works	**6-months**
13	Lack of documentation (building 3 and 4)	If building is to be used, carry out as-built survey and obtain permits	**6-weeks**