



Lida Textile & Dyeing Limited (Extended Buildings)

Holding 100/2, Block B, Shaheed Mosharaf Hossain Road, Purbo chandora, Shofipur, Kaliakoir, Gazipur
(24.036580N, 90.271251E)
28th March 2017





Observations



Insufficient as-built drawing for conveyer belt building

Observations₃



As-built was not available for the conveyer belt building

Observations

4



**Lack of water proofing membrane on roof for
all buildings**

Observations

5



Water proofing membrane was not observed on the roof for all RC building. Some micro cracks were observed on the roof slab which may allow the water into the slab concrete.

Observations



Lateral stability of conveyer belt building

Observations



The frame of this 2 storey building comprised with a single bay which may critical for the lateral loading from transverse direction. Factory engineer to check the stability of the building for lateral loading.

Observations



Carbonation effect on the soffit of slab for utility building

Observations₉



Carbonation was observed in the soffit of slab

Observations

10



Problems Observed

- 1: Insufficient as-built drawing for conveyer belt building
- 2: Lack of water proofing membrane on roof for all buildings
- 3: Lateral stability of conveyer belt building
- 4: Carbonation effect on soffit of slab for utility building



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Insufficient as-built drawing for conveyer belt building	Engage a Building Engineer to survey the structure and update a full set of “as-constructed” drawings.	6-weeks
2	Lack of water proofing membrane on roof for all buildings	Building Engineer to develop the drainage system on roof and apply water proofing membrane to resist the water ingress into the slab.	6-months
3	Lateral stability of conveyer belt building	Building Engineer to check the stability system against lateral loading.	6-weeks
4	Lateral stability of conveyer belt building	Implement the remedial works suggested by the engineer	6-months
5	Carbonation effect on soffit of slab for utility building	Building engineer to check the effect of carbonation and suggest any suitable repair method if required.	6-months