

Loopdot Fashion Limited

Basil, Hazir Bazar, Bhaluka, Mymensingh, Bangladesh.

(24.363467N, 90.386124E)

11th September 2019





Observations



Damaged Lintel

Observations: Production Building



The bottom rebar of 2nd floor exit lintel also removed. There are 1.2m high brick wall supported on the lintel beam. Some cracks have been developed on the middle of lintel. The factory engineer to investigate the damage lintel and suggest proper remedial measure.

Observations: Main Building



Falling Hazard

Observation : Production Building



No safety guard or parapet was observed at roof. This area is prone to falling hazard.

Observation : Production Building



Non engineered stair roof

Observations: Production Building



There are four number of stair roof in the building. The connections of lightweight roof are non engineered. The factory engineer to check and upgrade the connections properly.

Observations: Production Building



Incomplete as-built documents

Observation : Production Building



2 x 5,000-liter plastic water tanks were observed on roof which are not mentioned in the as-built drawing as well as floor loading plan.

Observation : Production Building



Water ponding on roof

Observations: Production Building



Water ponding was observed on the roof. Building engineer to develop proper drainage system with adequate slope on roof.

Observations: Production Building



Lateral stability system

Observations: Utility Shed



No compression strut at cable bracing system.



At eave level lateral load transfer media along long direction of the shed was not provided

The shed is single bay structure along short direction. There is no lateral load transfer media along long direction at the eave level. In addition, 1.2m wide canopy added with portal frame. Factory engineer to check the stability of the shed against lateral forces following BNBC provisions.

Observations: Utility Shed



Undocumented canopy at south

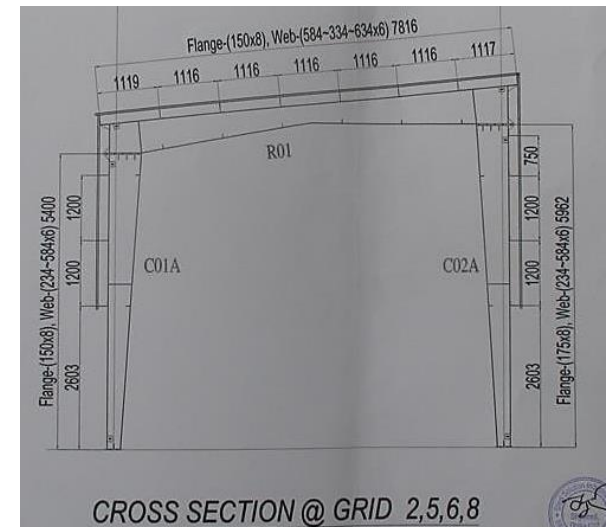
Observations: Utility Shed



Canopy observed at south



Undocumented canopy at south was observed on site but not shown in provided as-built drawings. Also, structural details of canopy was not available on drawings.



As-built drawing

Observations: Utility Shed



Priority Actions



Problems Observed

Main Building:

- 1: Damaged Lintel.
- 2: Falling hazard.
- 3: Non-engineered stair roof.
- 4: Incomplete as-built documents.
- 5: Water ponding on roof.

Utility Shed:

- 6: Lateral stability system.
- 7: Undocumented canopy at south.



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Damaged Lintel (Production Building)	The factory engineer is required to investigate the damaged area and suggest proper remedial actions.	6-weeks
2	Damaged Lintel (Production Building)	Implement remedial actions suggested by the factory engineer.	6-months
3	Falling hazard. (Production Building)	The factory is required to install railing or parapet wall on the roof to resist falling hazard.	6-weeks
4	Non-engineered stair roof. (Production Building)	The factory engineer is required to check the connections and suggest the proper remedial actions.	6-weeks
5	Non-engineered stair roof. (Production Building)	Implement remedial actions suggested by the factory engineer.	6-months
6	Incomplete as-built documents. (Production Building)	The factory engineer is required to update the as-built drawing and floor loading plan for the roof floor.	6-weeks



Item No.	Observation	Recommended Action Plan	Recommended Timeline
7	Water ponding on roof. (Production Building)	Develop drainage system on roof with proper slope.	6-months
8	Lateral Stability System. (Utility Shed)	The factory engineer is required to carry out Engineering Assessment (EA) to check the stability of the structure against lateral forces following BNBC.	6-weeks
9	Lateral Stability System. (Utility Shed)	Implement the recommendations of engineering assessment report.	6-months
10	Undocumented canopy at south. (Utility Shed)	Building engineer is required to survey the structure and update the as-built drawings as required.	6-weeks