

# Textil Fashions Ltd. (Extension)

Holding No-6/1, Plot No-168, Choydana, National University, Gazipur.

(23.966781, 90.382439)

29 March 2023



# Building Information

**Warehouse Shed:** The structure is a single storied prefabricated steel shed.

# Observations

# Lack of lateral stability



Load transfer media (comp. strut) is missing along lateral direction of portal frame

Without compression strut only tension bracings are provided along lateral direction of the portal frames which makes the lateral load resisting system inactive. Building engineer is required to check the lateral stability of the structure and propose necessary remediation measure.

**Missing approval drawing from local authority**



Warehouse Shed

At the time of inspection, no approval drawing from local authority was available. Factory is required to seek approval from the local authority for the structure.

**Significant connection gap and bolt missing**



Bolt missing at several locations



Significant connection gap

Bolt missing and significant connection gap was observed at several locations. Factory engineered is required to

- Install the missing bolt
- Take proper measure to fill up connection gap.

## Observation: Warehouse Shed

**Crack in brick wall**



Crack in brick wall (Main gate)

Crack was observed in brick wall at main gate. Factory is required to repair the cracked area as per guidance by the building engineer.

## Observation: Warehouse Shed

# Problems Observed

## Warehouse Shed:

Item 01: Lack of lateral stability

Item 02: Missing approval drawing from local authority

Item 03: Significant connection gap and bolt missing.

Item 04: Crack in brick wall

# Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Lack of lateral stability (Warehouse Shed)	Building engineer is required to carry out Engineering Assessment (EA) to check the lateral stability of the structure and suggest necessary remedial action in the design report.	6-weeks
02	Lack of lateral stability (Warehouse Shed)	Implement remediation work if required.	6-months
03	Missing approval drawing from local authority (Warehouse Shed)	Factory is required to seek approval from the local authority for the structure.	6-months
04	Significant connection gap and bolt missing (Warehouse Shed)	Factory engineer is required to install the missing bolt.	6-weeks
05	Significant connection gap and bolt missing (Warehouse Shed)	Factory engineer is required to take proper measure to fill up the gap in connections.	6-weeks
06	Crack in brick wall (Warehouse Shed)	Factory is required to repair the cracked area as per guidance by the building engineer.	6-weeks