

AKR Fashions Ltd. (New)

Tetuljhora, Jorpul Bus Stand, Rajfulbaria, Savar, Dhaka-1347.
(23.80162, 90.26108)

5 December 2022



Buildings Information

1. Production Shed: (single storied)
2. Utility Building: (single storied)
3. Dining Shed: (single storied)

Observations

Apparently incomplete lateral stability system



Roof bracing provided only



No load transfer media provided

Roof bracing provided at some location, but no wall bracing provided. In addition, load transfer media/compression strut is not provided from frame to frame to transfer the lateral load therefore lateral stability system of the shed is apparently incomplete. Building engineer is required to check the lateral stability of the structure.

Loose roof bracing



Loose roof bracing

Roof bracings were observed as loose at some locations. Factory is required to tighten all loose bracings.

Additional vertical load coming from parking area



Additional vertical load on rafter of canopy coming from parking area (South-east corner)

Additional vertical load coming from parking area (South-east corner). Building engineer is required to review the adequacy of the rafter for additional vertical load coming from parking area

Apparently non engineered shed

Observations: Dining Shed



Dining Shed

Dining Shed was appeared to be non engineered due to lack of apparent load path, poor connection and apparently inadequate member size. Building engineer is required to check the connection adequacy for uplift forces as part of EA otherwise replace the structure with a well-designed structure.

Missing approval drawing from local authority



Production Shed



Dining 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 all the structures within the factory premises.



Utility Building

Problems Observed

Production Shed:

- Item 01: Apparently incomplete lateral stability system
- Item 02: Loose roof bracing
- Item 03: Additional vertical load coming from parking area

Dining Shed:

- Item 04: Apparently non engineered shed

Missing approval from local authority:

- Item 05: Missing approval drawing from local authority

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Apparently incomplete lateral stability system (Production Shed)	Building engineer is required to check the lateral stability of the structure.	6-weeks
02	Apparently incomplete lateral stability system (Production Shed)	Implement remediation work if required.	6-months
03	Loose roof bracing (Production Shed)	Building engineer is required to tighten all loose bracings.	6-weeks
04	Additional vertical load coming from parking area (Production Shed)	Building engineer is required to review the adequacy of the rafter for additional vertical load coming from parking area.	6-weeks
05	Additional vertical load coming from parking area (Production Shed)	Implement remediation work where required.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
06	Apparently non engineered shed (Dining Shed)	Building engineer is required to check the connection adequacy for uplift forces as part of EA otherwise replace the structure with a well-designed structure.	6-weeks
07	Apparently non engineered shed (Dining Shed)	Implement remediation work where required.	6-months
08	Missing approval drawing from local authority (All structures)	Building engineer is required to seek approval from the local authority for all the structures within the factory premises.	6-months