

South East Textiles (Pvt.) Ltd (Extension)

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Building Information

ETP Building: This structure is a four storied (B+G+3) reinforced concrete (RC) building with a basement.

Store Shed: A single storied steel roof-truss shed.

Workshop Shed: A single storied steel roof-truss shed.

Raising Machine Shed: A single storied pre-fabricated steel shed.

Chemical Store Shed: A single storied steel roof-truss shed.

Worker Dining Shed-1: A single storied pre-fabricated steel shed.

Worker Dining Shed-2: A single storied steel roof-truss shed.

Empty Cartoon Store: A single storied steel roof-truss shed.

Observations

Lack of fall protection



Opening at staircase

There were no barrier/walls on the 3rd floor stair area which may cause falling hazard. The factory is required to provide adequate barrier/railing/walls on the stair to protect possible falling hazard.

Possible vehicle impact



No proper protection barrier at ground floor columns

During inspection, no proper protection barrier was observed at the ground floor and basement columns to protect the vehicle impact. Building engineer is required to provide the safety barrier surrounding the column to protect vehicle impact.

Apparently incomplete lateral stability system



No roof & wall bracing provided



Poor connection system

Bracing and lateral load transfer media was not observed in the structure. Also, poor connection between steel members were observed. Building engineer is required to check the lateral stability system of the structure and suggest necessary remedial actions accordingly.

Observation: Store Shed

Apparently incomplete lateral stability system



No roof & wall bracing provided

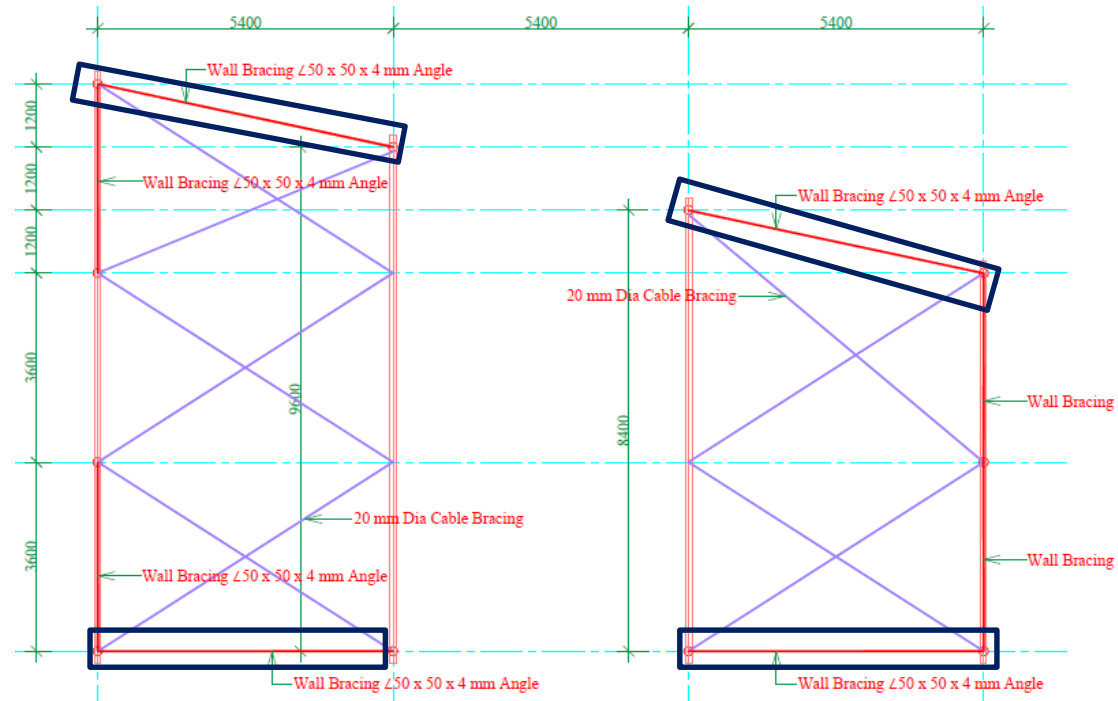


Column support out of node

Bracing and lateral load transfer media was not observed in the structure. Also, poor connection between steel members were observed. Building engineer is required to check the lateral stability system of the structure and suggest necessary remedial actions accordingly.

Observation: Workshop Shed

Missing lateral stability member



Bracing layout

Vertical bracing missing in long direction and compression member was absent. Building engineer is required to check the lateral stability system of the shed and suggest necessary remedial action.

Lack of lateral stability system in E-W direction



Portal frame action only in N-S direction,
stability system absent in E-W direction



No roof & wall bracing provided

Only portal frame action along N-S direction but bracing and lateral load transfer media was not observed along E-W direction. Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.

Observation: Worker Dining Shed-1

Apparently incomplete lateral stability system



Only frame action in short direction



No roof & wall bracing provided

No roof and wall bracing is provided, and no-load transfer media was also present from frame to frame to transfer the lateral load. Also, poor connection between steel members were observed. Building engineer is required to check the lateral stability of the structure.

Observation: Worker Dining Shed-1

Apparently incomplete lateral stability system



No roof & wall bracing provided



Poor connection system

No roof and wall bracing is provided, and no-load transfer media was also present from frame to frame to transfer the lateral load. Also, poor connection between steel members were observed. Building engineer is required to check the lateral stability of the structure.

Observation: Empty Cartoon Store

Apparently incomplete lateral stability system



No roof & wall bracing provided



Poor connection system

No roof and wall bracing is provided, and no-load transfer media was also present from frame to frame to transfer the lateral load. Also, poor connection between steel members were observed with no joint plates. Building engineer is required to check the lateral stability of the structure.

Priority Actions

Problems Observed

ETP Building:

Item 01: Lack of fall protection.

Item 02: Possible vehicle impact.

Store Shed:

Item 03: Apparently incomplete lateral stability system.

Workshop Shed:

Item 04: Apparently incomplete lateral stability system.

Raising Machine Shed:

Item 05: Missing lateral stability member

Worker Dining Shed-1:

Item 06: Lack of lateral stability system in E-W direction.

Worker Dining Shed-2:

Item 07: Apparently incomplete lateral stability system.

Empty cartoon store :

Item 08: Apparently incomplete lateral stability system.

Chemical Store Shed:

Item 9: Apparently incomplete lateral stability system

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Lack of fall protection. (ETP Building)	Building engineer is required to provide adequate barrier/walls on the 3rd floor stair area to protect possible falling hazard.	6-weeks
02	Possible vehicle impact. (ETP Building)	Building engineer is required to provide the safety barrier surrounding the column to protect vehicle impact.	6-weeks
03	Apparently lack of lateral stability. (Store Shed)	Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.	6-weeks
04	Apparently lack of lateral stability. (Store Shed)	Implement remediation work where required.	6-months
05	Apparently lack of lateral stability. (Workshop Shed)	Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.	6-weeks
06	Apparently lack of lateral stability. (Workshop Shed)	Implement remediation work where required.	6-months
07	Missing lateral stability member. (Raising Machine Shed)	Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.	6-weeks
08	Missing lateral stability member. (Raising Machine Shed)	Implement remediation work where required.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
09	Lack of lateral stability system in E-W direction. (Worker Dining Shed-1)	Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.	6-weeks
10	Lack of lateral stability system in E-W direction. (Worker Dining Shed-1)	Implement remediation work where required.	6-months
11	Apparently incomplete lateral stability system. (Worker Dining Shed-2)	Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.	6-weeks
12	Apparently incomplete lateral stability system. (Worker Dining Shed-2)	Implement remediation work where required.	6-months
13	Apparently lack of lateral stability. (Empty cartoon store)	Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.	6-weeks
14	Apparently lack of lateral stability. (Empty cartoon store)	Implement remediation work where required.	6-months
15	Apparently lack of lateral stability. (Chemical Store Shed)	Building engineer is required to check the lateral stability of the structure and suggest necessary remedial actions accordingly.	6-weeks
16	Apparently lack of lateral stability. (Chemical Store Shed)	Implement remediation work where required.	6-months