

FASHION FLASH LTD (Extension)

149, Shah Kabir Mazar Road, Azampur, Uttara, Dhaka
(23.867832N, 90.412555E)
4 September 2023



Building information:

Shed-1: Single storied shed.

Medical Shed: Single storied shed (steel roof supported by brick wall).

Observation

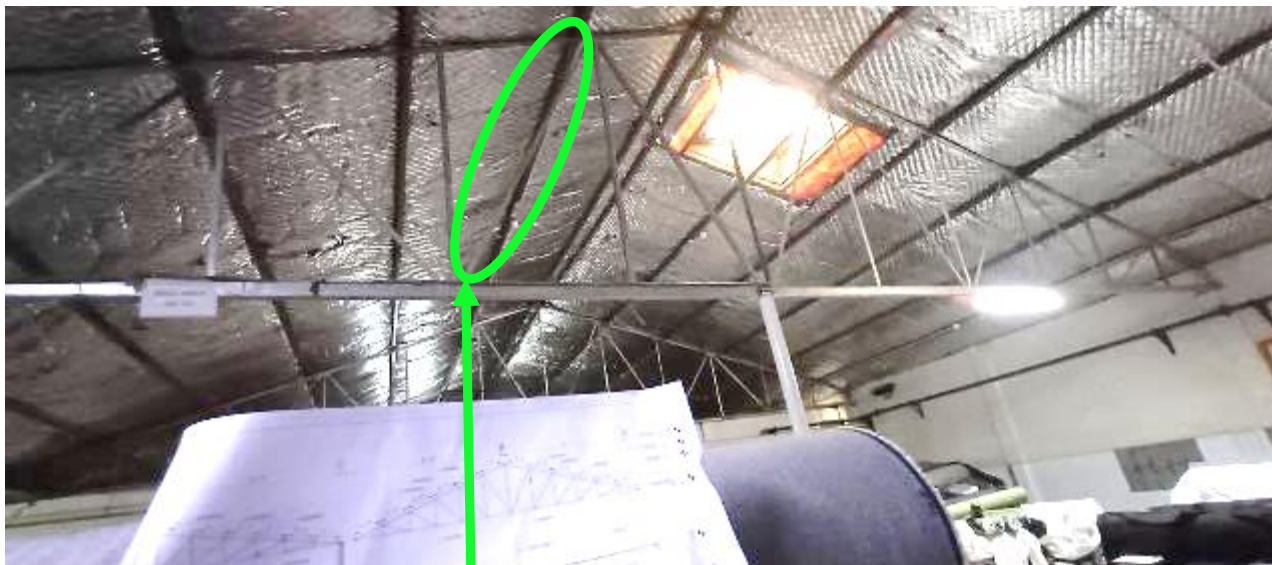
Lack of stability of roof truss



Absence of load transfer media (strut) and load resisting (bracing) system

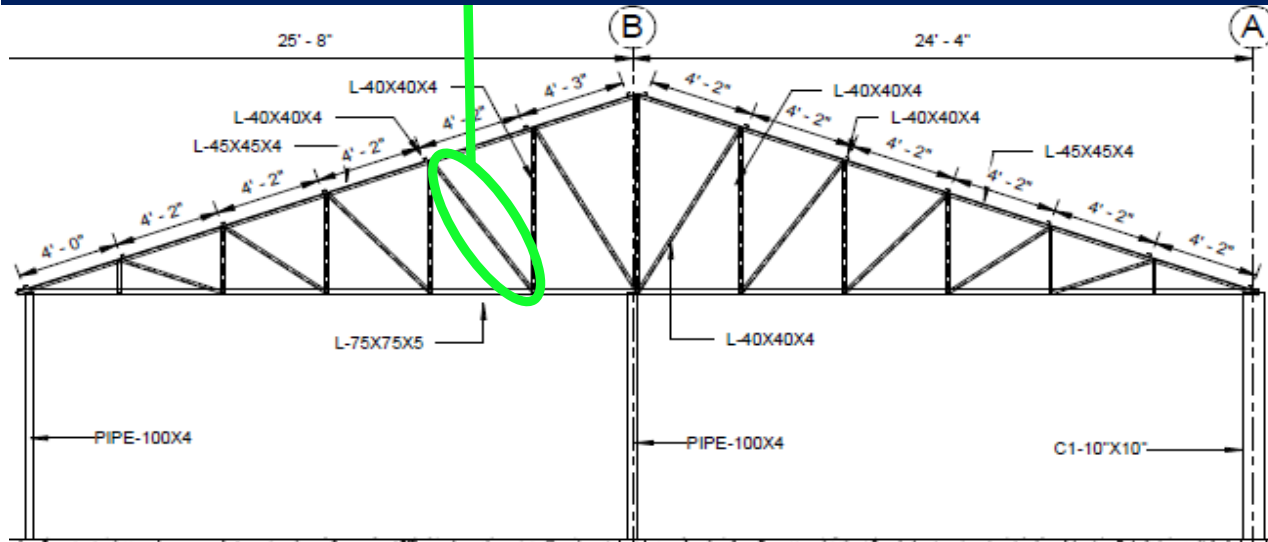
No horizontal bracing and compression strut was found in the roof which indicates the lack of lateral stability of the roof trusses. Also, the truss member sizes seem to be inadequate. The building engineer is required to carry out Engineering Assessment (EA) to check the overall stability of the structure for lateral loading and suggest necessary remedial action accordingly.

Discrepancies and missing information in provided drawing



The orientation of diagonal chords not matched with provided drawing

Mismatch found in truss member arrangement. Also, connection details were missing in the provided drawing.



Truss section in provided drawing

The building engineer is required to survey the whole structure and prepare as-built drawing as per on-site condition.

Apparently inadequate connection



Connection between steel members and RC column was apparently inadequate. No baseplate found for RC column to steel truss connection and truss members were welded arbitrarily with column rebar. Also, the truss was connected eccentrically to the RC column.



The building engineer is required to check the connection adequacy as part of Engineering Assessment (EA) and suggest proper alternatives.

Connection of roof truss to RC column

Apparently inadequate connection



Steel members inserted into the brick walls which appeared to be inadequate. The building engineer is required to check the connection between the steel members & brick walls and suggest necessary alternatives.



Connection of steel members and brick wall

Dampness and cracks on brick wall



Dampness on wall at west



Crack on brick wall

The building engineer is required to investigate the cause of cracks as well as source of dampness and suggest proper remedial actions accordingly.

Absence of approval from local authority



Medical Shed



At the time of inspection, approval drawing from local authority was not available for the Medical Shed. Factory is required to collect approval from the local authority for the structure.

Problems Observed

Shed-1:

Item 01: Lack of stability of roof truss.

Item 02: Discrepancies and missing information in the provided drawing.

Item 03: Apparently inadequate connection.

Medical Shed:

Item 04: Apparently inadequate connection.

Item 05: Dampness and cracks on brick wall.

Item 06: Absence of approval from local authority.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Lack of stability of roof truss. (Shed-1)	The building engineer is required to carry out Engineering Assessment (EA) to check the overall stability of the structure for lateral loading and suggest necessary remedial action accordingly.	6-weeks
02	Lack of stability of roof truss. (Shed-1)	Carry out suggested remedial works.	6-months
03	Discrepancies and missing information in the provided drawing. (Shed-1)	Factory engineer is required to survey the whole structure and prepare as-built drawing as per on-site condition.	6-weeks
04	Apparently inadequate connection. (Shed-1)	The building engineer is required to check the connection adequacy as part of Engineering Assessment (EA) and suggest proper alternatives.	6-weeks
05	Apparently inadequate connection. (Shed-1)	Carry out suggested remedial works.	6-months
06	Apparently inadequate connection. (Medical Shed)	The building engineer is required to check the connection between the steel members & brick walls and suggest necessary alternatives.	6-weeks
07	Apparently inadequate connection. (Medical Shed)	Carry out suggested remedial works.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
08	Dampness and cracks on brick wall. (Medical Shed)	The building engineer is required to investigate the cause of wall cracks as well as source of dampness and carry out proper remedial works accordingly.	6-weeks
09	Absence of approval from local authority. (Medical Shed)	The factory is required to collect building permit from the local authority for the Medical Shed.	6-months