



Sadia Fashion Wears Ltd.

Talla Road, Khapur, Fatullah, Narayanganj.

23.635780, 90.501083

04 February 2020





Buildings Information

1. Sewing & Finishing Shed (single storied)
2. Store Shed (single storied)
3. Cutting Shed (single storied)
4. Printing Shed (single storied)
5. Facilities Shed (single storied)
6. Utility shed (single storied)
7. Office Building (single storied)
8. Toilet Block (single storied)



Observations



Gap in rafter connection

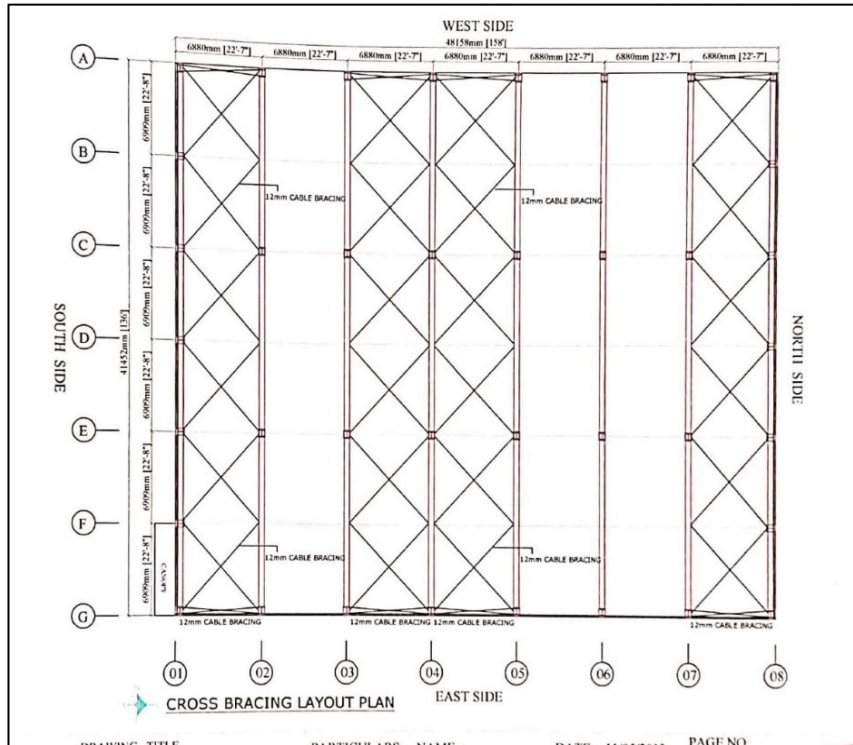


Gap in rafter connection were found in several location which may reduce the moment capacity of the connections. The building engineer is required to fill the gaps with a suitable method.



Apparently lack of load transfer media in long direction

Observation: Store Shed



Bracing Layout Plan

The stability system provided by tension cable bracing in wall & roof. No compression struts/members were provided in the long direction. Lack of lateral stability along the long direction is appeared. The building engineer is required to review the lateral stability system of the shed.

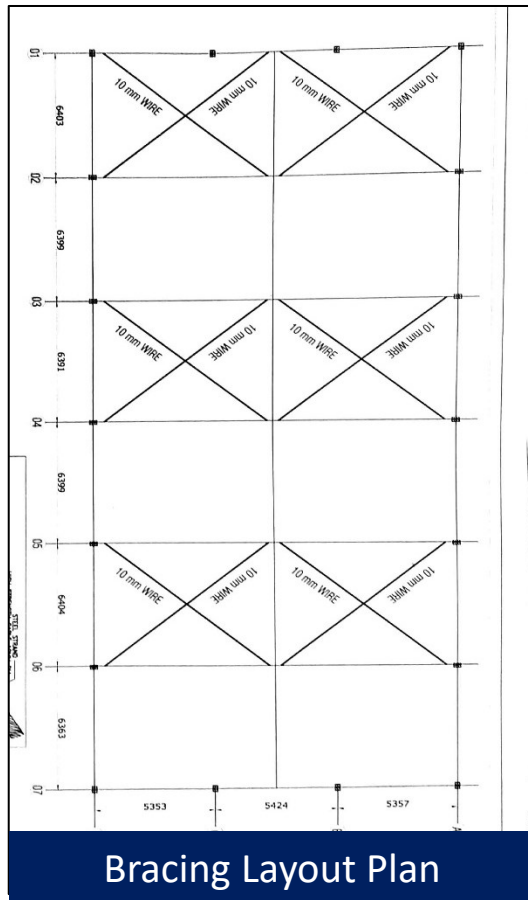


Absence of load transfer member in long direction



Apparently lack of load transfer media in long direction

Observation: Cutting Shed



Bracing Layout Plan

The stability system provided by tension cable bracing in wall & roof. No compression struts/members were provided in the long direction. Lack of lateral stability along the long direction is appeared. The building engineer is required to review the lateral stability system of the shed.



Absence of load transfer member in long direction



Apparently inadequate member & connection

Observations: Utility Shed



Apparently lack of lateral stability system & poor connection details were observed. Also structural members were seems/found to be inadequate. Building engineer is required to check the member, connection adequacy & stability of the shed.

Observations: Utility Shed



No brace and anchorage on water tank



Water tank was not braced and anchored to resist earthquake/lateral forces.



Problems Observed

- 1: Gap in rafter connection. (Sewing & Finishing Shed)
- 2: Apparently lack of load transfer media in long direction. (Store Shed)
- 3: Apparently lack of load transfer media in long direction. (Cutting Shed)
- 4: Apparently inadequate member & connection. (Utility Shed)
- 5: No brace and anchorage on water tank.



Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Gap in rafter connection. (Sewing & Finishing Shed)	Building engineer is required to fill the gaps with a suitable method.	6-weeks
02	Apparently lack of load transfer media in long direction. (Store Shed)	Building engineer is required to review the lateral stability system of the shed.	6-weeks
03	Apparently lack of load transfer media in long direction. (Store Shed)	Carry out remedial works where necessary.	6-months
04	Apparently lack of load transfer media in long direction. (Cutting Shed)	Building engineer is required to review the lateral stability system of the shed.	6-weeks
05	Apparently lack of load transfer media in long direction. (Cutting Shed)	Carry out remedial works where necessary.	6-months



Item No.	Observation	Recommended Action Plan	Recommended Timeline
06	Apparently inadequate member & connection. (Utility Shed)	Building engineer is required to check the member, connection adequacy & stability of the shed.	6-weeks
07	Apparently inadequate member & connection. (Utility Shed)	Carry out remedial works where required.	6-months
08	No brace and anchorage on water tank.	Building engineer is required to provide the adequate anchorage and bracing to the water tank for increasing stability during earthquake/lateral loading.	6-weeks