

A.T.S. Apparels Limited (Extension)

414, Kochakuri, Talirchala, Mouchak, Gazipur

(24.017111, 90.302867)

23 December 2025



1. Building Information

1. Two storied Finished Goods Storage Shed-2.

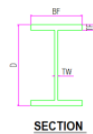
2. Observation:

Observation-01: Credibility of material test report. (Finished Goods Storage Shed-2)

Our Proposed Steel Sections are:

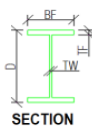
SCHEDULE OF STEEL COLUMN

NAME	D (mm)	TW (mm)	BF (mm)	TF (mm)
SC-101	400	6	200	12
SC-101A	400-550	6	200	12
SC-101B	400	6	175	10
SC-102	450	8	250	16
SC-103	300	6	200	12
SC-103A	300	6	175	10



SCHEDULE OF BEAM

NAME	D (mm)	TW (mm)	BF (mm)	TF (mm)
MB-101	500	6	175	10
MB-102	500	8	200	12
TB-101	400	6	175	10
SB-101	400	6	150	6



Section:
Steel, Fy = 50 ksi
Load Distribution Factor shall be used

Note:-
Steel, Fy = 50 ksi
and Electrode E60xx shall be used

Description: A set of design reports was prepared considering a tensile strength of 348 MPa (50 ksi) for the MS plates; however, no credible test report was available to substantiate this assumption. Although the factory provided a product quality certificate, the name of the purchasing factory was not mentioned in the certificate. Therefore, the certificate is not acceptable to confirm the tensile strength of the MS plates used in the shed.

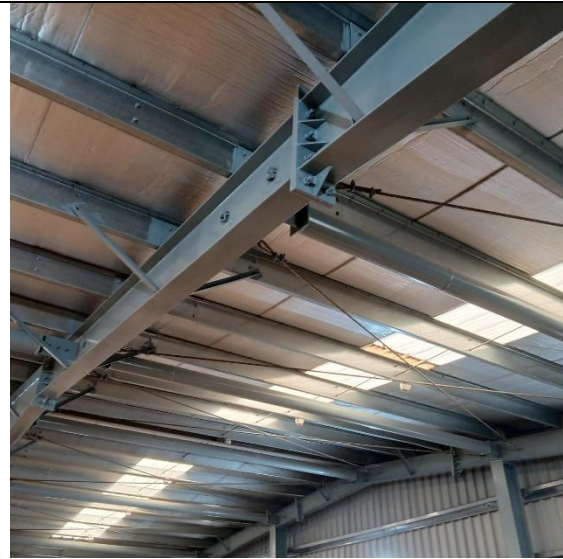
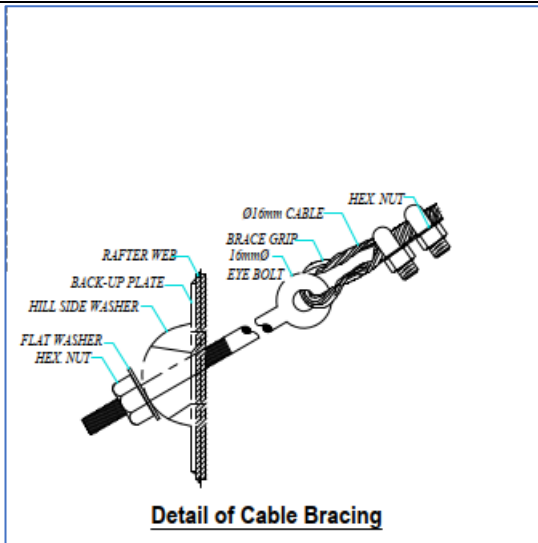
The factory is required to revise the design report by confirming the tensile strength of the MS plates through a credible and traceable test report.

Observation-02: Connection gap in steel joint. (Finished Goods Storage Shed-2)



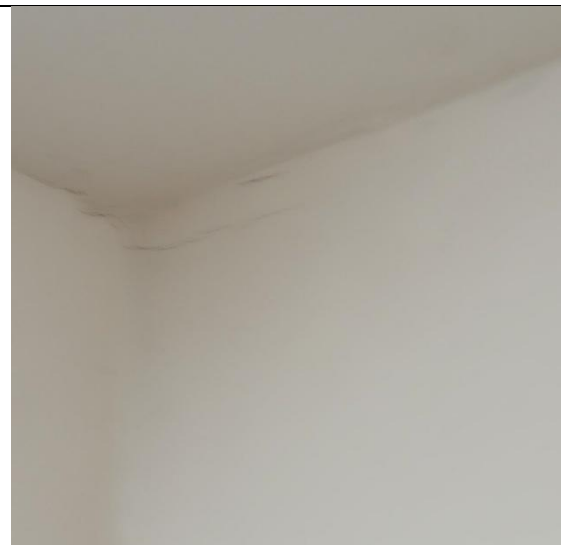
Description: Connection gaps were found in several locations. Building engineer is required to repair the connection gap with suitable method.

Observation-03: Improper cable bracing connections. (Finished Goods Storage Shed-2)



Description: Improper connections were found in all locations. Almost all the hillside washers were found damaged and flat washer & nut were not found in many connections. The factory is required to repair the cable bracing connection as per the drawings.

Observation-04: Brick wall crack. (Finished Goods Storage Shed-2)



Description: A crack was found on the brick wall on the 1st-floor stair area. The building engineer is required to repair the crack on the wall with a suitable method.

2. Action Plan

Item No	Observation	Action Plan	Timeline
1.	Credibility of material test report. (Finished Goods Storage Shed-2)	The factory is required to revise the design report by confirming the tensile strength of the MS plates through a credible and traceable test report. Otherwise, carry out in-situ material testing as required. Submit design document to the RSC for review.	within 6 weeks
2.	Credibility of material test report. (Finished Goods Storage Shed-2)	Implement the recommendations of the design report.	within 6 months
3.	Credibility of material test report. (Finished Goods Storage Shed-2)	Implement floor load plan.	within 6 months
4.	Connection gap in steel joint. (Finished Goods Storage Shed-2)	Building engineer is required to repair the connection gap with a suitable method.	within 6 weeks
5.	Improper cable bracing connections. (Finished Goods Storage Shed-2)	The factory is required to repair the cable bracing connection as per the drawings.	within 6 weeks
6.	Brick wall crack. (Finished Goods Storage Shed-2)	The building engineer is required to repair the crack on the wall with a suitable method.	within 6 weeks