

Islam Garments Ltd. (Knitwear Division) (Extension)

Block-F, Holding # 119/1, Jarun, Konabari, Gazipur
(23.995441, 90.327008)

6 November 2023



1. Building Information:

Shed-9 (CPB Dyeing Shed): Single-storied steel shed with a self-supported mezzanine floor.

Shed 17 (AOP Shed): Single-storied steel shed.

2. Observations:

Shed-9 (CPB Dyeing Shed)

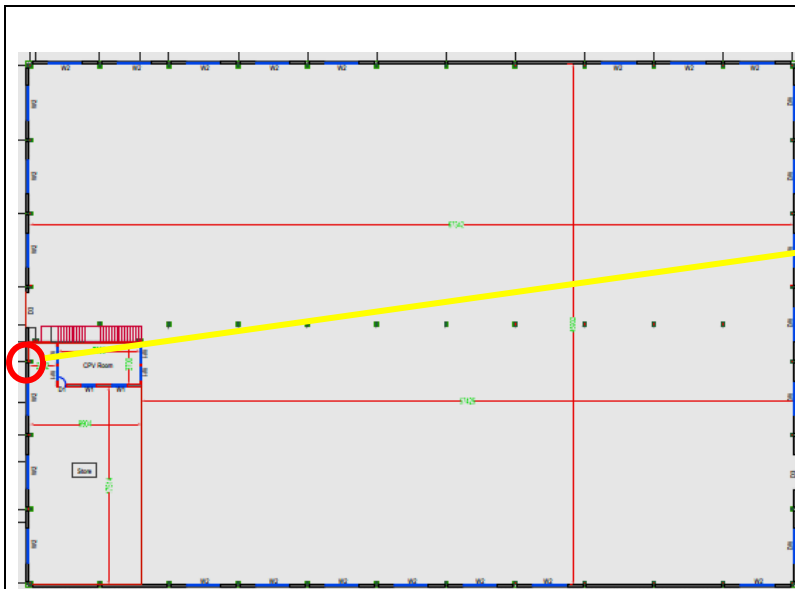
Observation 1: Lack of lateral stability system.



No compression strut in the long direction

Description: Portal frame was observed in the short direction. Compression strut or load transfer media was not observed in the long direction.

Observation 2: Mismatches in as-built drawing.



Mezzanine Floor Plan

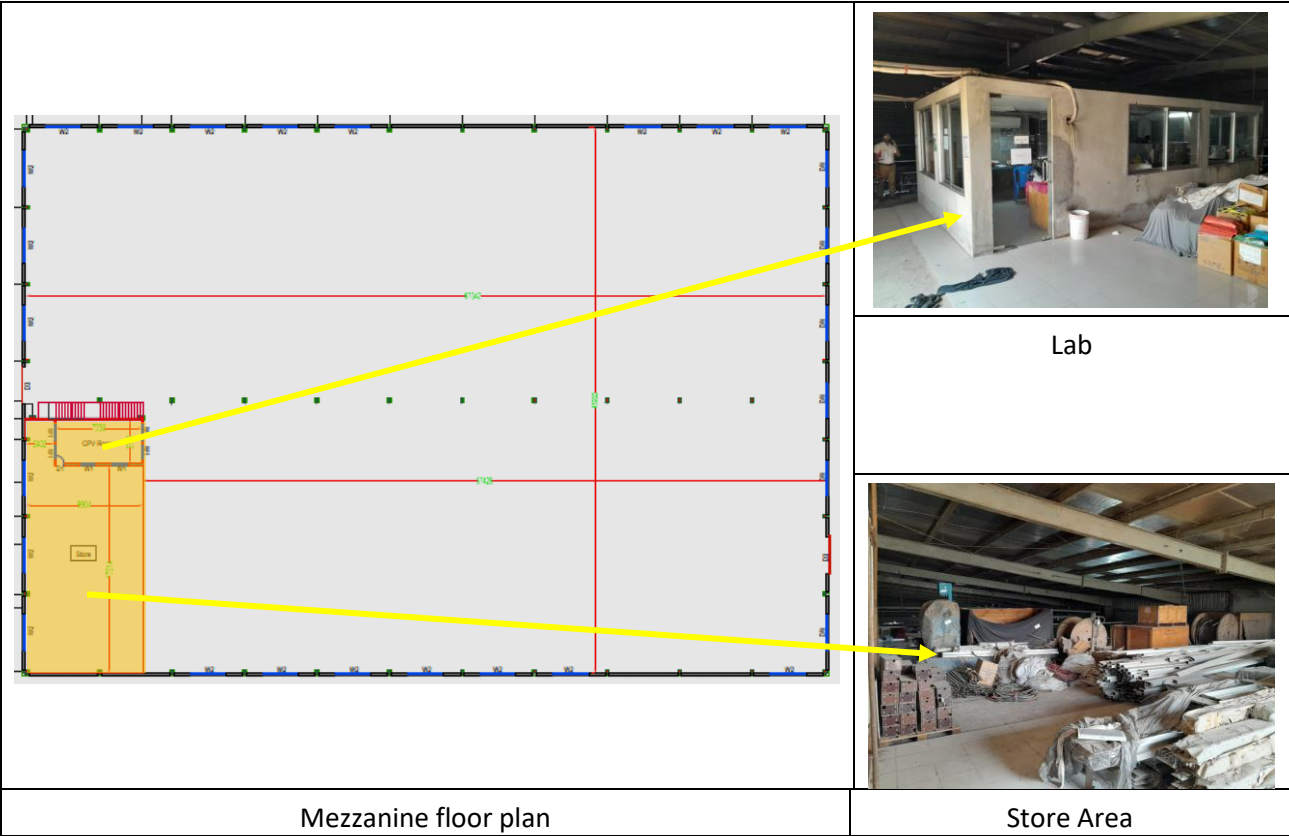


STEEL COLUMN SCHEDULE				
NAME	D (mm)	TW (mm)	BF (mm)	TF (mm)
SC-1	250	8	125	8
SC-2	300	8	150	10
SC-3	230~575	6	150	10
SC-4	390	10	300	12

Steel column schedule

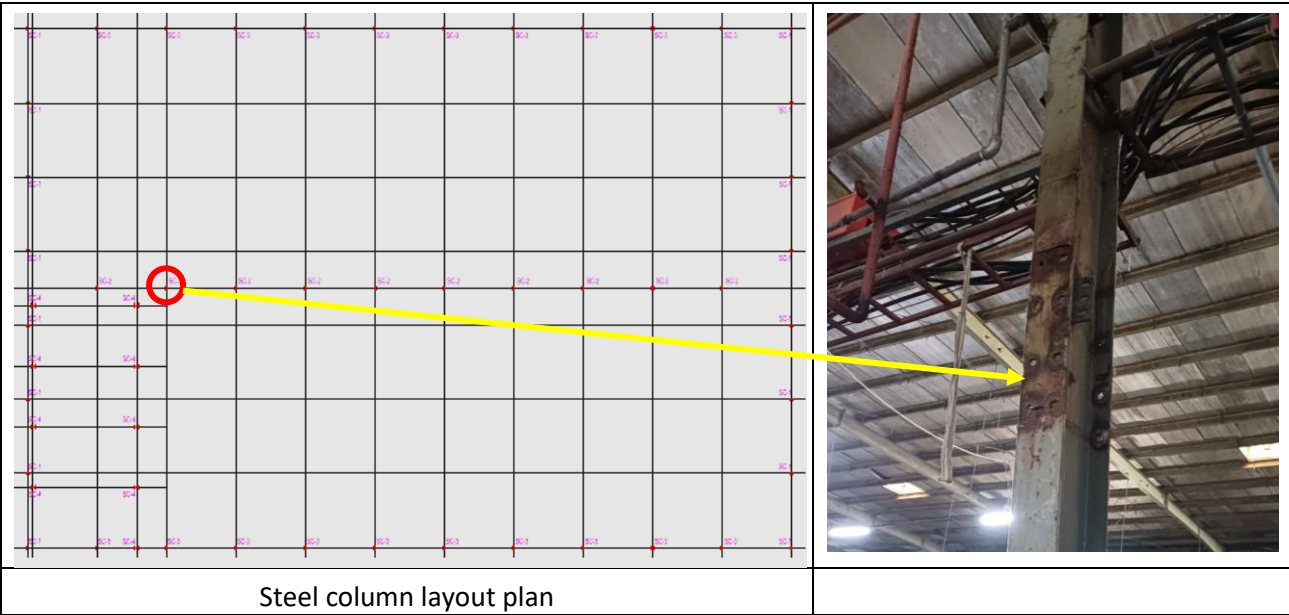
Description: Flange thickness of SC-1 column was found 7.3 mm instead of 8mm.

Observation-3: Load plan not prepared for the mezzanine floor.



Description: Load plan was not prepared for the mezzanine floor.

Observation-4: Perforation on steel column.



Description: Perforation was found at flange of several columns.

Observation-5: Loose roof bracing.



Description: Roof wire bracing was found as loosened state.

Observation-6: Corrosion on steel members.



Description: Corrosion was observed on some steel members.

Shed-17 (AOP Shed)

Observation-7: Absence of lateral stability.



Steel frame

Description: Undefined lateral stability system was observed.

3. Action Plan:

Observation	Action Plan	Timeline
Lack of lateral stability system. (Shed-9)	Building engineer is required to check the lateral stability of the shed as part of the Engineering Assessment (EA).	within 6 weeks
	Carry out remedial work where required.	within 6 months
Mismatches in as-built drawing. (Shed-9)	Building engineer is required to prepare accurate as-built drawings as per site condition.	within 6 weeks
Load Plan not prepared for the Mezzanine floor. (Shed-9)	Building engineer is required to produce load plan for mezzanine floor.	within 6 weeks
Perforation on steel column. (Shed-9)	Building engineer is required to rectify the perforated area of steel columns by a suitable method.	within 6 weeks
Loose roof bracing. (Shed-9)	Tighten the loose bracing.	within 6 months
Corrosion on steel members. (Shed-9)	Apply rust proof paint on corroded members.	within 6 months
Absence of lateral stability. (Shed-17)	Building engineer is required to check the lateral stability of the shed as part of the Engineering Assessment (EA).	within 6 weeks
	Carry out remedial work where required.	within 6 months