

Agami Fashion Ltd.

No. H79/1, Chandra, Gazipur-1751, Bangladesh
(24.037616N, 90.254016E)
27th July 2016





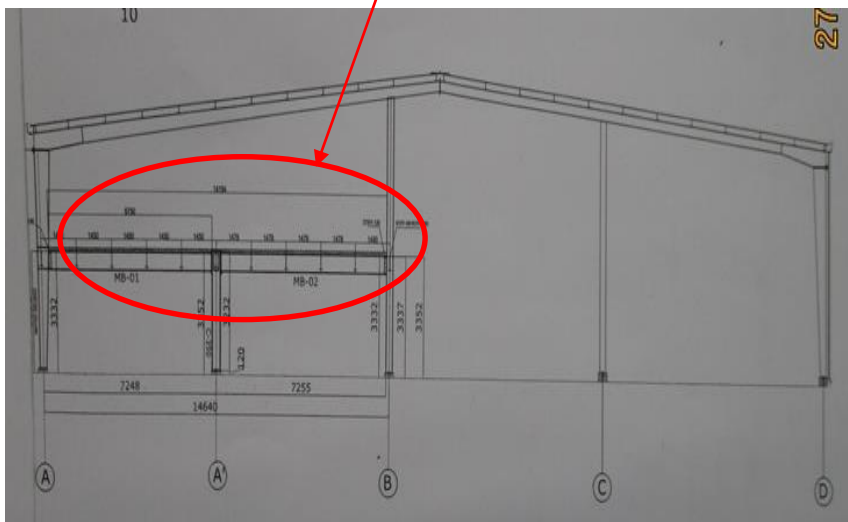
Observation



Incomplete Structural drawing of Main factory building & Raw Materials Building

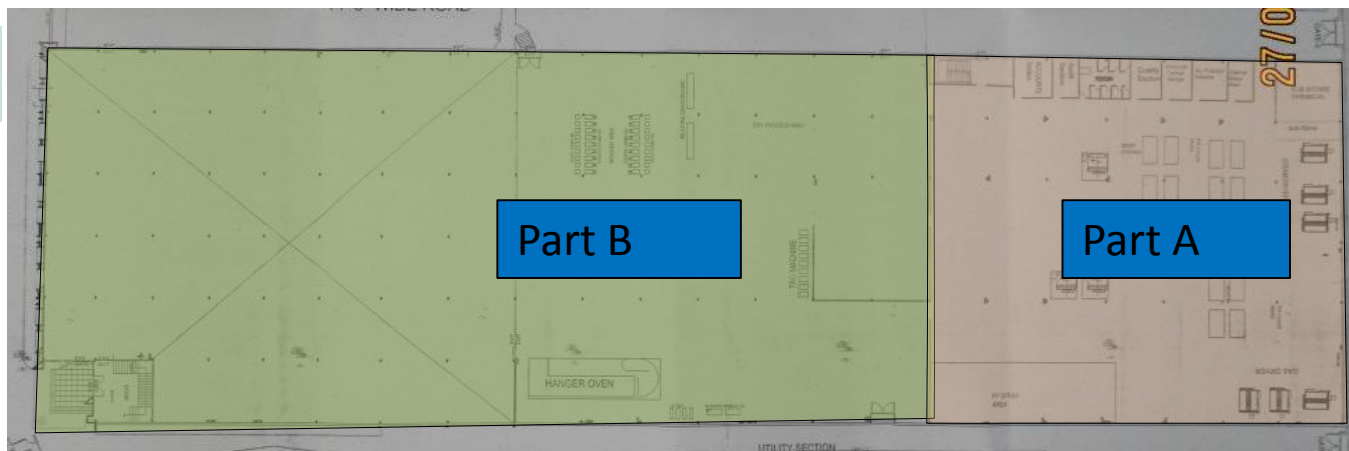


Different heightened mezzanine floor



No proper structural drawing was found for different heightened mezzanine floor

Observation: Main Factory Building



For the part A, no complete drawing was found. In addition with that, different dimension column steel member found on Part A portion.

Observation: Main Factory Building



Vertical and horizontal bracing is not aligned.



Observed single bracing instead of cross bracing.



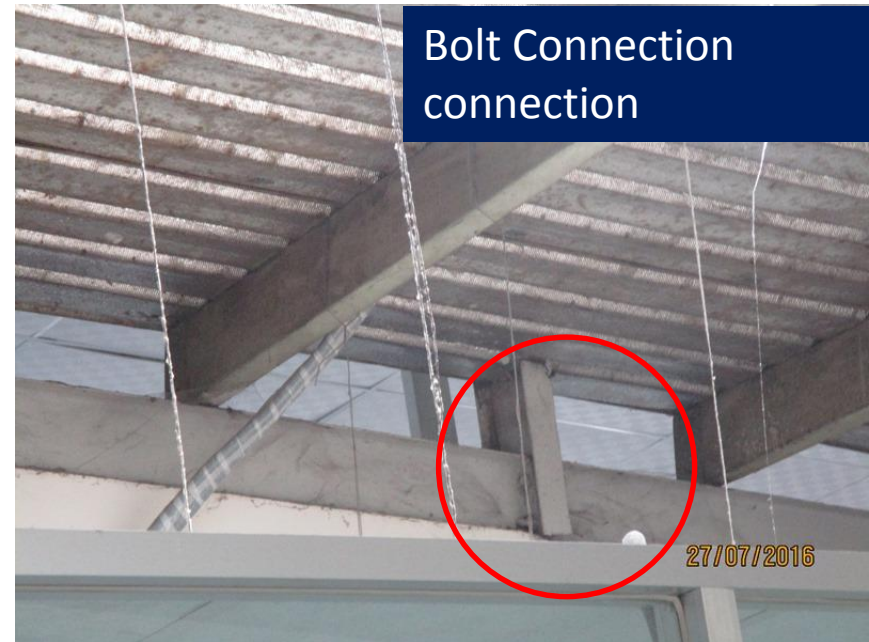
Observed faulty bracing

No proper bracing system was found in structural drawing.

Observation: Main Factory Building



Some connection are Welded and some are Bolt connections

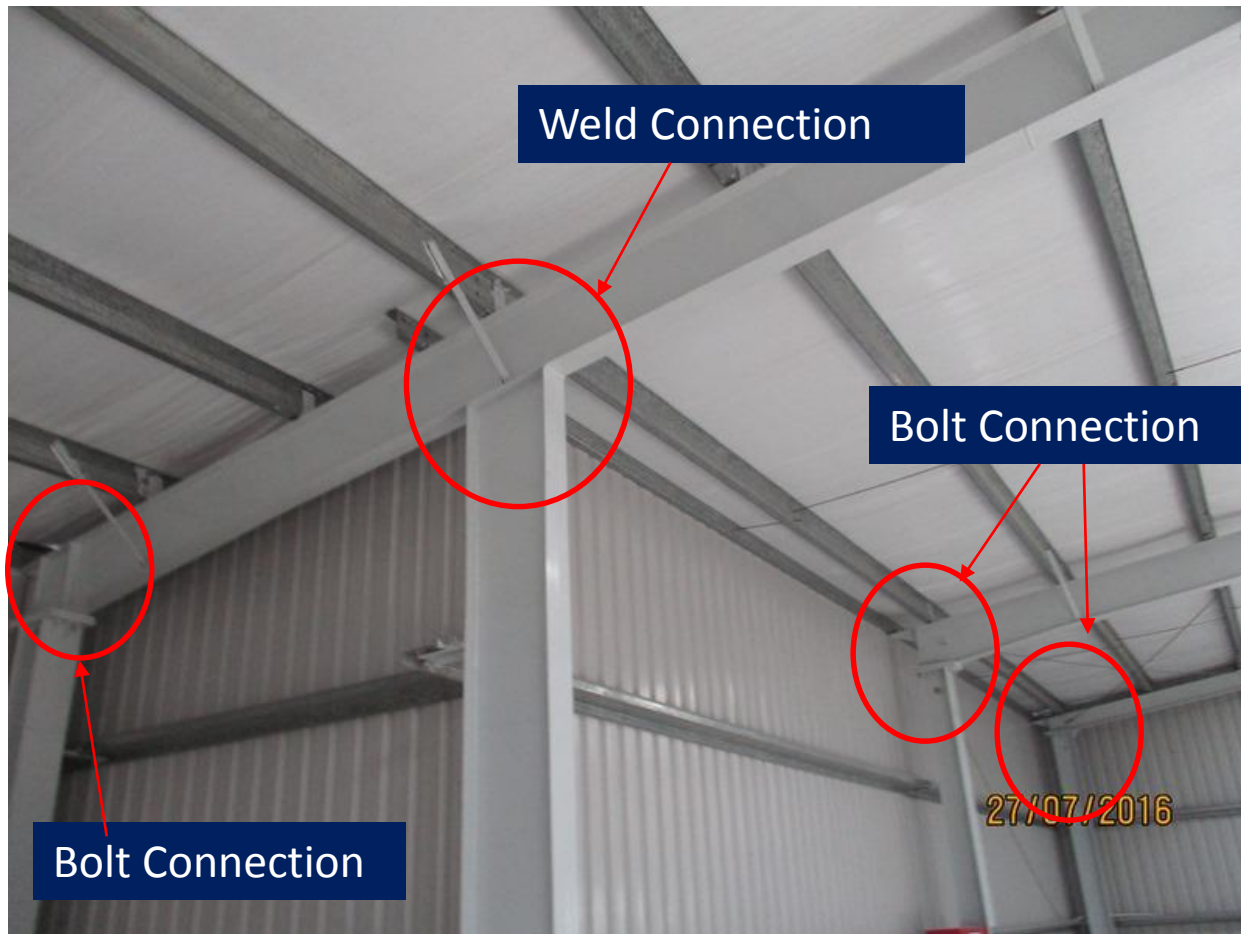


Some Rafters are connected with vertical member by weld and some are connected by bolt in Main Building

Observation: Main Factory Building



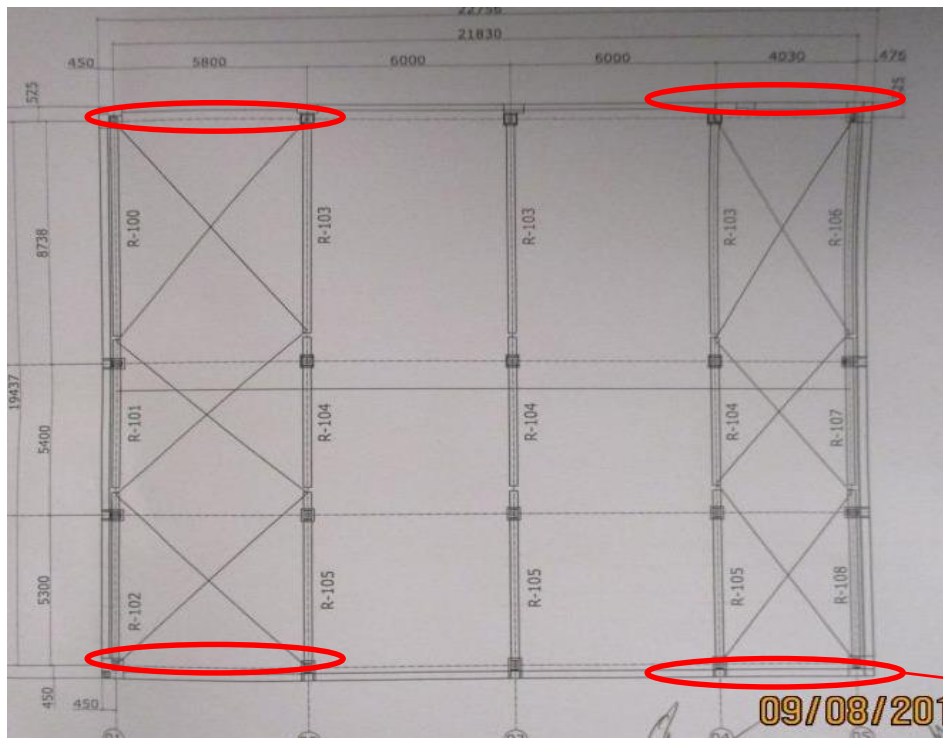
Some connection are Welded and some are Bolt connections



Observation: Raw Materials Building



Absence of vertical Bracing in Structural drawing of Chemical Store & Raw Materials Building

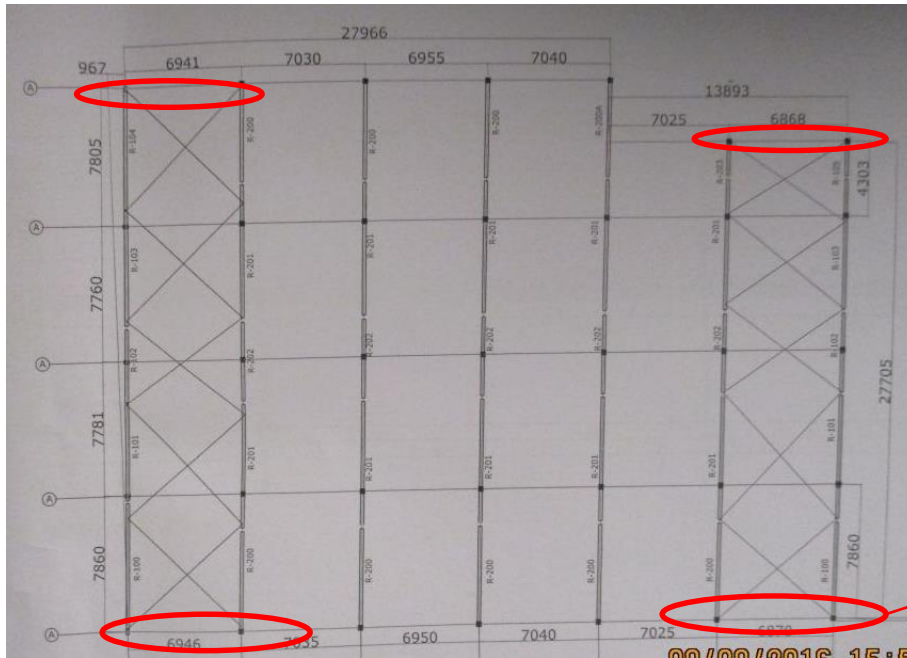


No vertical bracing system was find in structural drawing.



Vertical bracing

Observation: Chemical Store



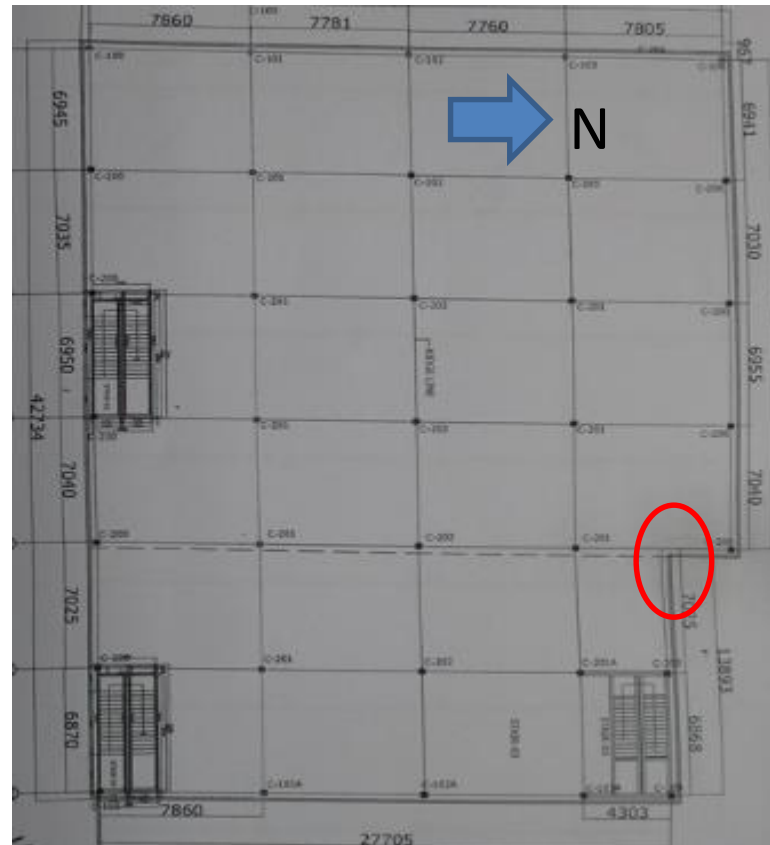
A photograph of the interior of a large, empty industrial building. The ceiling is high and features a series of parallel metal beams. The walls are made of light-colored corrugated metal. A red circle is drawn around a section of the wall and ceiling, and a red arrow points to it from the left. A fire extinguisher is visible on the floor near the wall. The floor is a smooth, light-colored concrete. The date and time '27/07/2016 14:18' are printed in the bottom right corner.

Vertical bracing

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on Fire and Building Safety in Bangladesh



Discrepancy between drawing and as built condition Raw Materials Building



The marked column is not present in drawing. Noted that, the column is observed only on 1st floor.

Observation: Raw Materials Building



Bolt Missing in Beam column joint



Main factory building



Chemical Store



Raw Materials Building



Bolt missing in Beam-Column joint in Main factory Building, Raw materials building & Chemical Store.

Observation:



Loosely tightened cable bracing



Chemical Store



Raw Materials Building

Observation:



Lack of structural drawings for Utility Building and Toilet building adjacent with main factory building



Toilet building



Utility Building

Observation:



Problems Observed

Item 1: Incomplete Structural drawing of Main factory building & Raw Materials Building

Item 2: Absent vertical Bracing in Structural drawing of Chemical Store & Raw Materials Building

Item 3: Discrepancy between drawing and as built condition of Raw Materials Building

Item 4: Bolt Missing in Beam column joint at Main factory Building, Raw materials building & Chemical Store

Item 5: Loosely tightened cable bracing

Item 6: Lack of structural drawings for Utility Building and T adjacent with main factory building



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Incomplete Structural drawing of Main factory building & Raw Materials Building	Engage an Engineer to update the drawings to “as constructed” status to reflect the actual site dimensions and provide complete structural information including Load Plan Drawings.	6-weeks
2	Absent vertical Bracing in Structural drawing of Chemical Store & Raw Materials Building	Building engineer to check the capacity of the steel frame to Chemical Store and Raw materials building under horizontal and vertical loading and make any necessary alterations.	6-weeks
3	Discrepancy between drawing and as built condition of Raw Materials Building	Factory Engineer to update the drawings to “as-constructed” status as part of the Engineering Assessment.	6-weeks
4	Discrepancy between drawing and as built condition of Raw Materials Building	Building Engineer to produce accurate as-built drawings.	6-weeks
5	Discrepancy between drawing and as built condition of Raw Materials Building	Carry out remedial works resulting from engineering assessment of building.	6-months



Item No.	Observation	Recommended Action Plan	Recommended Timeline
6	Bolt Missing in Beam column joint at Main factory Building, Raw materials building & Chemical Store	Complete the connections with missing bolts as per advice of factory engineer.	6-weeks
7	Loosely tightened cable bracing	All loosely tightened cable bracing should be tensioned	6-weeks
8	Lack of structural drawings for Utility Building and Toilet building adjacent with main factory building	Building Engineer to produce proper as-built drawings	6-weeks