

M.I.T Apparels Ltd. (9687)

Pathantuly, Godnail, Shiddirgonj, Narayanganj, Bangladesh

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12.MAY.2014



Identified Priority 2 Concerns

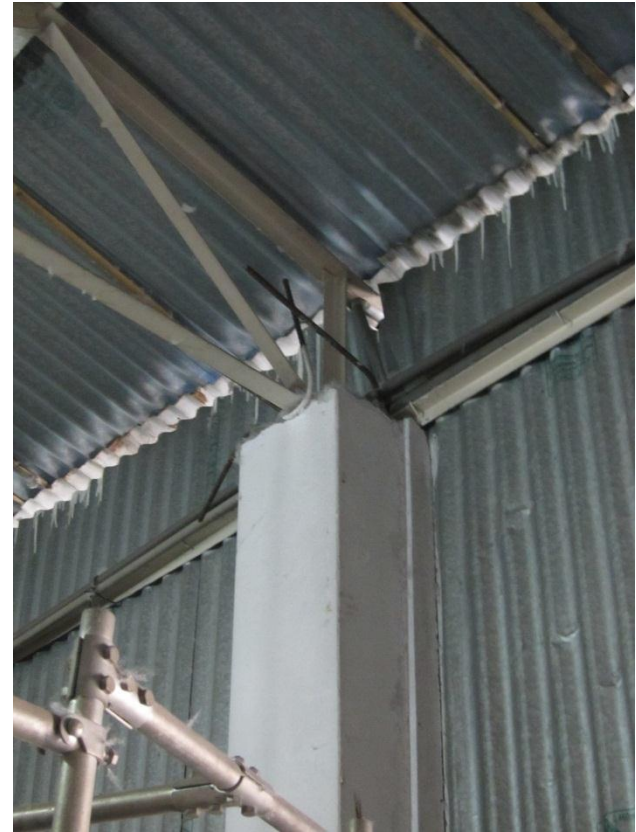
- No roof plan and details specified in the drawings



Steel roof truss and canopy have been built without any plan or details specified on the drawings.

Identified Priority 3 Concerns

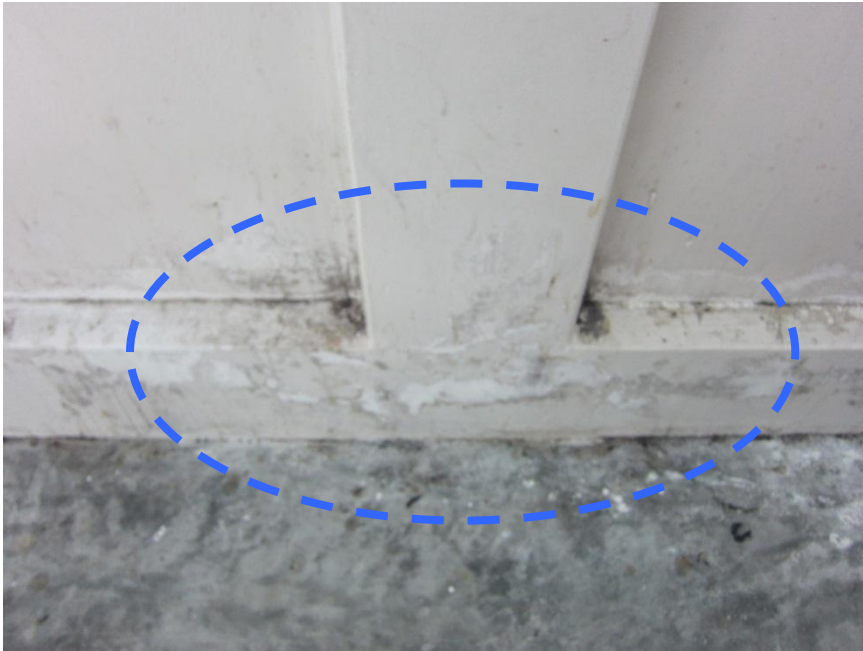
- Reinforcement left exposed,
- Fireproof paint for steel roof truss (if required),
 - Water ingress at the ground level,
- Maintenance/Repair of supporting steel column to water tank and Repair of brick column supporting wooden rafter at generator shed.



Steel reinforcement are left exposed on the top of reinforced concrete column. It is unclear whether rust-proof paint is applied.



It is unclear whether fire-proof paint (if required by regulations) is applied for the steel roof truss.



It seems that there are signs of water ingress noted at ground beam level. Maintenance/repair should be carried out.



Cracks appeared at the bottom of brick column with no reinforcement which is used to support the wooden rafter above. This column should be replaced by a RC or steel column.



Steel laced column supporting the water tank appeared to be tilted. The capacity of this structure should be checked.

Overall Stability System



Concerns on the stability system for lateral loading, especially at the joint connection of steel roof truss and reinforced concrete column.

We require that these items be investigated in a Detail Engineering Assessment.



Water Ingress at Roof Level



There is no distress due water ingress noted at roof sheet.

Priority Actions

Problems Observed Summary

ITEM 1: (Priority 2) No roof plan and details specified in the drawings

ITEM 2: (Priority 2) Overall stability system

ITEM 3: (Priority 3) Steel reinforcement left exposed

ITEM 4: (Priority 3) Fireproof paint for steel roof truss (if required)

ITEM 5: (Priority 3) Water ingress at the ground beam level

ITEM 6: (Priority 3) Maintenance/Repair of supporting steel column to water tank including brick column supporting wooden rafter at generator shed

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	No roof plan and details specified in the drawings.	Factory Engineer to survey the actual conditions and produce the drawings. Factory Engineer to review design, loads of steel roof truss to confirm suitability for loads applied.	6-weeks
2	No roof plan and details specified in the drawings.	Implement any remedial works found necessary by the abovementioned review.	6-months
3	Overall stability system.	Request that the Detail Engineering Assessment of the overall building to be carried out and in particular, stability and foundation aspects should be investigated in detail.	6-weeks
4	Overall stability system.	Implement any remedial works found necessary by the DEA.	6-months
5	Steel reinforcement left exposed.	Rust-proof paint to be applied for the exposed steel reinforcement.	6-months
6	Fireproof paint for steel roof truss (if required)	Fireproofing material for structural steel element needs to be applied (if required based on the provision of BNBC Codes). Maintain standard of quality control.	6-months
7	Water ingress at the ground beam level.	Engineer to inspect water damaged structure and propose a suitable repair.	6-months
8	Maintenance/Repair of supporting steel column to water tank including brick column supporting wooden rafter at generator shed	Factory engineer to inspect the damaged structure and propose a suitable maintenance/repair.	6-months