

Aman Winter Wears Ltd. (11333)

Nazimnagar, Hemayetpur, Savar.

(+23.793297N, 90.255692E)

09.June.2014



Identified Priority 1 Concerns

1st Priority 1 Concern



Large washing machines were observed on the ground floor (structural due to presence of basement). In addition, a 6" platform was also observed in the same washing area.

Identified Priority 2 Concerns

1st Priority 2 Concern



Poor steel detailing was observed for the various steel roofs. Poor connection bearing details were observed at the generator/ childcare/doctor's building (top left). Steel posts were bearing directly on the 3rd floor slab (top right). Poor bearing support and damaged masonry at generator shed (bottom left).

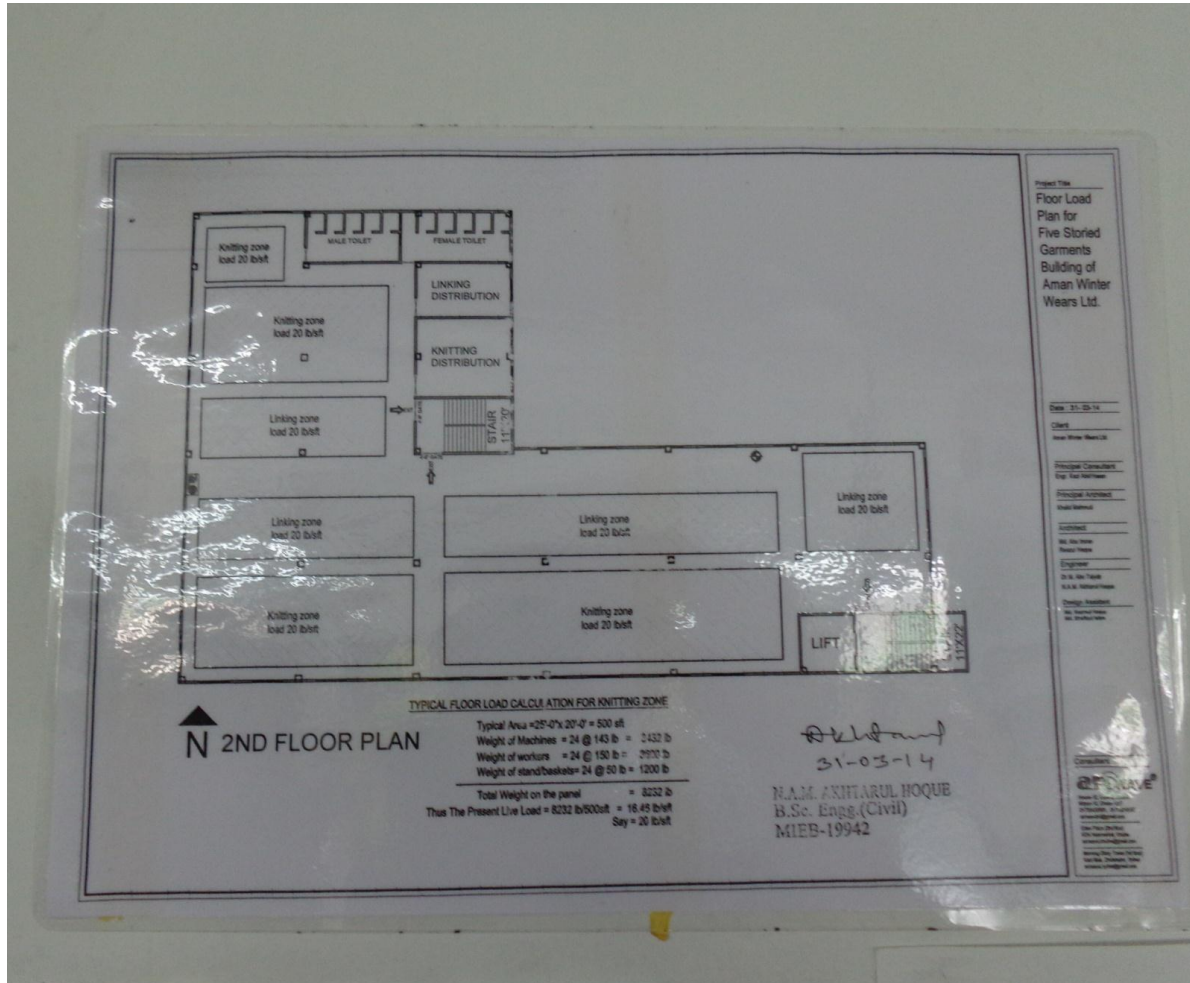
2nd Priority 2 Concern



A wooden platform was observed in the lift core, at the 2nd floor. The space was only used for storage, however the type of construction and load capacity is unknown.

Identified Priority 3 Concerns

1st Priority 3 Concern



Loading plans were posted, however they represent current loading conditions and not ultimate floor capacity. This could limit future floor use.

Overall Stability System



The building did not feature any core or shear walls. Stability was achieved through sway action between beams and columns and masonry infill walls.

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

Water Ingress at Roof Level



No waterproofing membrane was visible on the roof of the building. This means that any cracks in the surface finishes on the roof will allow water to seep into the concrete slab beneath the finishes, and cause corrosion of the reinforcing steel.

Priority Actions

Problems Observed Summary

- ITEM 1: (Priority 1) Large washing machines were observed on the ground floor (structural due to presence of basement). In addition, a 6'' platform was also observed in the same washing area.**
- ITEM 2: (1st Priority 2) Poor steel detailing was observed for the various steel roofs.**
- ITEM 3: (2nd Priority 2) A wooden platform was observed in the lift core, at the 2nd floor.**
- ITEM 4: (Priority 3) Incorrect loading plans were posted.**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Priority 1 - Large washing machines were observed on the ground floor (structural due to presence of basement). In addition, a 6" platform was also observed in the same washing area.	A Detailed Engineering Assessment is required to determine load bearing capacity of ground floor in vicinity of washing platform and machines.	Immediate – Now
2	Priority 1 - Large washing machines were observed on the ground floor (structural due to presence of basement). In addition, a 6" platform was also observed in the same washing area.	Implement any recommendations from DEA.	6-weeks
3	1st Priority 2 - Poor steel detailing was observed for the various steel roofs.	Detailed Engineering Assessments are required for various steel roofs.	6-weeks
4	1st Priority 2 - Poor steel detailing was observed for the various steel roofs.	Implement any recommendations from DEAs.	6-months
5	2nd Priority 2 - A wooden platform was observed in the lift core, at the 2nd floor.	A Detailed Engineering Assessment is required for the wooden platform in the lift core.	6-weeks
6	2nd Priority 2 - A wooden platform was observed in the lift core, at the 2nd floor.	Implement any recommendations from DEA.	6-months
7	Priority 3 - Incorrect loading plans were posted.	Structural Engineer to assess load bearing capacity of each floor for the main building and provide correct loading plans. Post loading plans at each floor of the main building and manage load.	6-months