

Dress World Ltd. (10218)
Neo Fashion Ltd. (10159)
Vertex Wear Ltd. (9632)

Varari, Rajfulbaria, Tetuljhora, Savar
(+23.803761N, 90.131126E)
08.June.2014



Identified Priority 1 Concerns

(None)

Identified Priority 2 Concerns

1st Priority 2 Concern



No loading plans were made available and storage loading was observed on the 6th floor of the main factory building.

Although column markings indicating a maximum allowable stacking height were observed, it appears the markings were made without consideration for the maximum allowable live load.

Identified Priority 3 Concerns

1st Priority 3 Concern



Structural drawings were not made available for some of the ancillary buildings. In addition, some omissions or inaccuracies in the structural drawings existed for the main factory building.

2nd Priority 3 Concern



The masonry façade for the main factory building exhibited cracking, due to either the separation joint or corrosion of the reinforcing steel

3rd Priority 3 Concern



The concrete slab of the security post was bearing directly on the perimeter beam of the masonry boundary wall.

4th Priority 3 Concern



Large deflection was noted in the steel roof purlins of the wastage shed.

Overall Stability System



The building did feature lift 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 2) No loading plans were made available and storage loading was observed on the 6th floor of the main factory building.**
- ITEM 2: (1st Priority 3) Structural drawings were not made available for some of the ancillary buildings. In addition, some omissions or inaccuracies in the structural drawings existed for the main factory building.**
- ITEM 3: (2nd Priority 3) The masonry façade for the main factory building exhibited cracking, due to either the separation joint or corrosion of the reinforcing steel.**
- ITEM 4: (3rd Priority 3) The concrete slab of the security post was bearing directly on the perimeter beam of the masonry boundary wall.**
- ITEM 5: (4th Priority 3) Large deflection was noted in the steel roof purlins of the wastage shed.**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Priority 2 - No loading plans were made available and storage loading was observed on the 6th floor of the main factory building.	Structural Design Engineer to provide loading plans based on bearing capacity of each floor for all buildings.	6-weeks
2	Priority 2 - No loading plans were made available and storage loading was observed on the 6th floor of the main factory building.	Post loading plans on each floor and manage accordingly.	6-months
3	1st Priority 3 - Structural drawings were not made available for some of the ancillary buildings. In addition, some omissions or inaccuracies in the structural drawings existed for the main factory building.	Factory Engineer to review existing conditions for all buildings and revise structural drawings.	6-months
4	2nd Priority 3 - The masonry façade for the main factory building exhibited cracking, due to either the separation joint or corrosion of the reinforcing steel.	A Detailed Engineering Assessment is required for the cracked masonry façade.	6-months
5	3rd Priority 3 - The concrete slab of the security post was bearing directly on the perimeter beam of the masonry boundary wall.	A Detailed Engineering Assessment is required for the security post.	6-months
6	4th Priority 3 - Large deflection was noted in the steel roof purlins of the wastage shed.	A Detailed Engineering Assessment is required for the steel roof of the wastage shed.	6-months