

Paddock's Jeans Ltd. (#10026)

Plot – 59 & 60, DEPZ, Ganakbari, Savar

(+23.872614N, 90.256096E)

24.MAY.2014



Identified Priority 1 Concerns (none)

Identified Priority 2 Concerns

1st Priority 2 Concern



Main 3-storey building & adjacent staircase



2-storey concrete extension

Complete structural drawings were not made available for the following buildings:

- Main 3-storey building
- 2-storey concrete extension
- Two 1-storey steel extensions
- Steel canopy at front entrance
- Steel staircases adjacent to main 3-storey building
- Ancillary buildings (day care, security building, sheds)

2nd Priority 2 Concern



Poor truss to column connection for steel roof of main building



Poor corrugated steel and purlin detailing at ancillary sheds

Poor steel detailing was observed for the following structures:

- Steel roof of main 3-storey building
- Steel roof portion of 2-storey concrete extension
- The two steel roof extensions
- Steel canopy at front entrance
- Ancillary sheds

3rd Priority 2 Concern



Water tanks on roof of main 3-storey building appear unstable. The simple 1 beam – 2 column structure supporting water tanks has no lateral resisting system.

4th Priority 2 Concern



Storage Loading on 1st floor



Storage Loading on 2nd floor

No loading plans were made available and storage was observed on the 1st and 2nd floor of the main 3-storey building.

Identified Priority 3 Concerns (none)

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 2) Complete structural drawings were not made available for the following buildings:

- Main 3-storey building
- 2-storey concrete extension
- Two 1-storey steel extensions
- Steel canopy at front entrance
- Steel staircases adjacent to main 3-storey building
- Ancillary buildings (day care, security building, sheds)

ITEM 2: (Priority 2) Poor steel detailing was observed for the following structures:

- Steel roof of main 3-storey building
- Steel roof portion of 2-storey concrete extension
- The two steel roof extensions
- Steel canopy at front entrance
- Ancillary sheds

ITEM 3: (Priority 2) Water tanks on roof of main 3-storey building appear unstable.

ITEM 4: (Priority 2) No loading plans were made available and storage was observed on the 1st and 2nd floors of main 3-storey building.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Complete structural drawings were not made available for the following buildings: - Main 3-storey building - 2-storey concrete extension - Two 1-storey steel extensions - Steel canopy at front entrance - Steel staircases adjacent to main 3-storey building - Ancillary buildings (day care, security building, sheds)	Structural Engineer to review existing conditions and provide as-built drawings.	6-weeks
2	Poor steel detailing was observed for the following structures: - Steel roof of main 3-storey building - Steel roof portion of 2-storey concrete extension - The two steel roof extensions - Steel canopy at front entrance - Ancillary sheds	A Detailed Engineering Assessment is required for the above mentioned structures.	6-weeks
3	Poor steel detailing was observed for the following structures: - Steel roof of main 3-storey building - Steel roof portion of 2-storey concrete extension - The two steel roof extensions - Steel canopy at front entrance - Ancillary sheds	Implement any recommendations from DEA.	6-months
4	Water tanks on roof of main 3-storey building appear unstable.	Detailed Engineering Assessment is required for the concrete structure supporting the water tanks on the main building.	6-weeks
5	Water tanks on roof of main 3-storey building appear unstable.	Implement any recommendations from DEA.	6-months
6	No loading plans were made available and storage was observed on the 1st and 2nd floors of main 3-storey building.	Structural Engineer to determine load bearing capacity for each floor of all buildings and produce loading plans.	6-weeks
7	No loading plans were made available and storage was observed on the 1st and 2nd floors of main 3-storey building.	Post loading plans on each floor and manage accordingly.	6-months