

Arafat Fashion Garments Ltd. (10495)

J.K. Shirt & Fabric Ltd. (10506)

3118/1, Noyahat road, Panchlaish, Chittagong

(+22.401785N, 91.832825E)

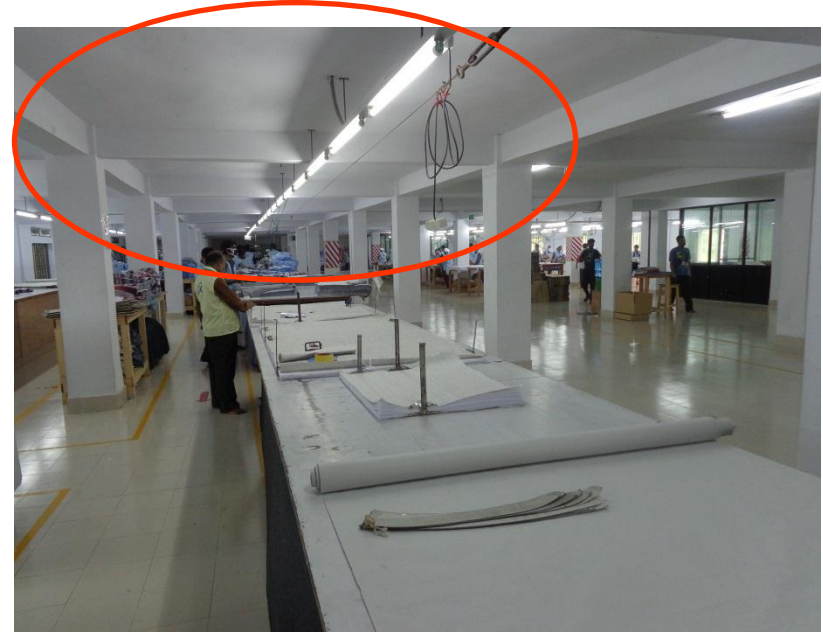
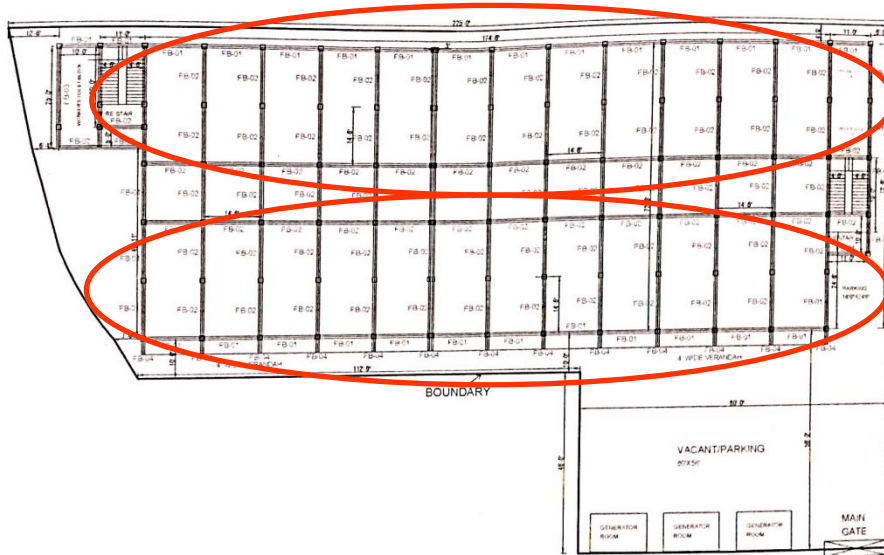
21.MAY.2014



Identified Priority 1 Concerns (none)

Identified Priority 2 Concerns

1st Priority 2 Concern



Structural drawings do not match existing conditions:

- Beam layout on the 1st and 3rd floor
- Grid layout

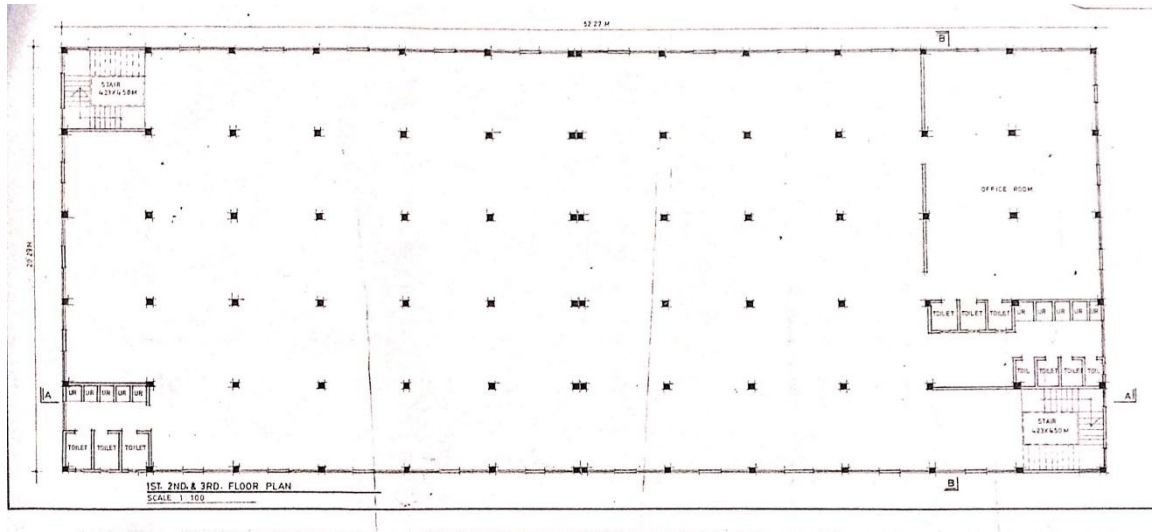
2nd Priority 2 Concern



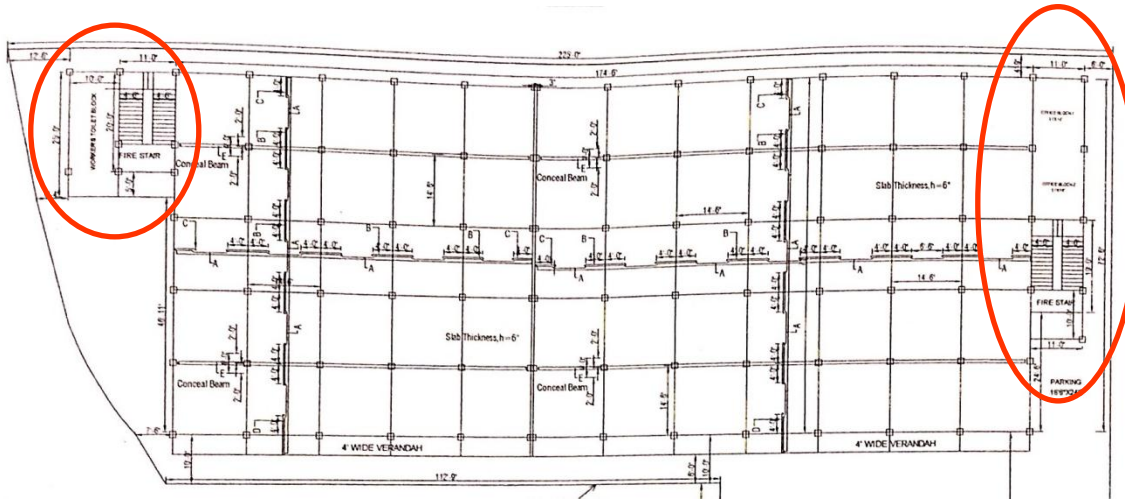
No loading plans were made available and storage loading was observed on the 1st floor.

Identified Priority 3 Concerns

1st Priority 3 Concern



Architectural Drawings used for Permit



Structural Drawings

Permit drawings do not match structural drawings or as built conditions.

Additional stairwell bays were constructed on both sides of building (see below).



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) Structural drawings do not match existing conditions.

ITEM 2: (Priority 2) No loading plans were made available and storage loading was observed on the 1st floor.

ITEM 3: (Priority 3) Permit drawings do not match structural drawings or as built conditions.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Structural drawings do not match existing conditions.	Structural Engineer responsible for the design to review existing conditions and revise structural drawings. Structural Engineer to assess additional construction and changes to design.	6-weeks
2	Structural drawings do not match existing conditions.	Implement any recommendations from structural assessment.	6-months
3	No loading plans were made available and storage loading was observed on the 1st floor.	Structural Engineer to determine load carrying capacity of each floor and produce loading plans.	6-weeks
4	No loading plans were made available and storage loading was observed on the 1st floor.	Post loading plans on each floor and manage loading.	6-months
5	Permit drawings do not match structural drawings or as built conditions.	Revise Architectural drawings based on as-built conditions and re-apply for permit approval.	6-months