

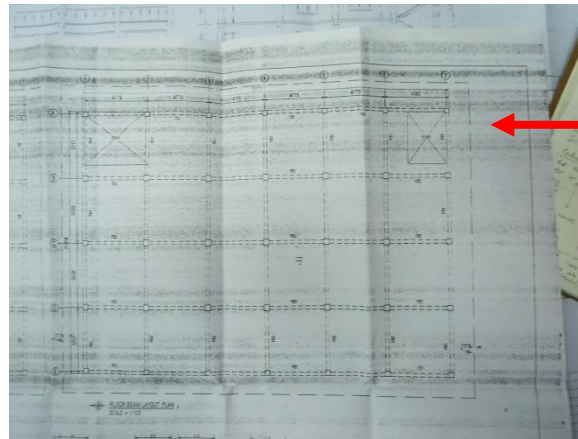
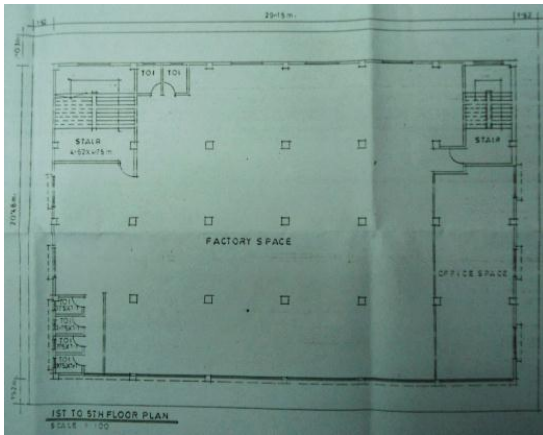
Rising Fashions Ltd.

Plot 16, Block-k, Rupnagar I/A, Mirpur-2, Dhaka-1216

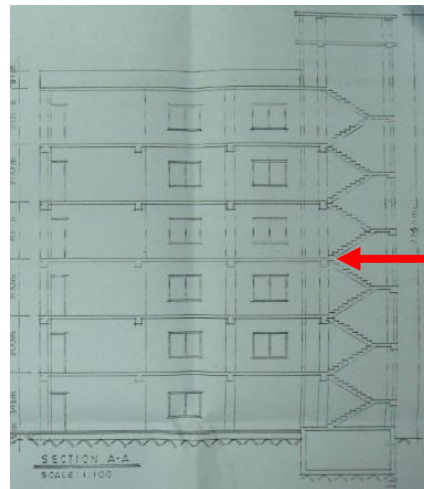
17 September 2013



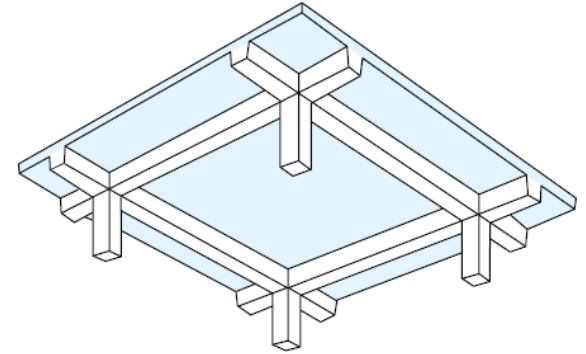
Architecture, Structure, Industrial drawings agree with the building



Column grid and column sizes agree with structural drawings



Permit Drawing for six floor agrees with observed building. No extensions. No refurbishment

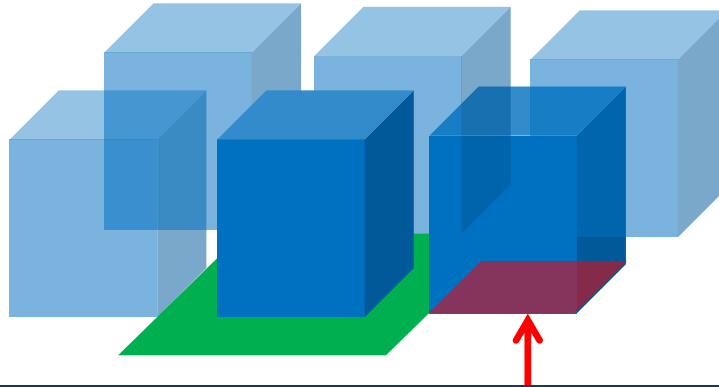


Structural System
Solid slab with beams.
Column grid 5.05 x 4.77 m
Imposed design load
3.0kN/m²

Loads in Bonded/Storage areas



Super imposed design load 3.0 kN/m^2



Stacks ($1.50 \times 1.50 \times 1.80 \text{ m}$ high) produce an equivalent load of 6.0 kN/m^2
Keeping 0.50 m cleared strip all sides, equivalent area load 3.0 kN/m^2



Structures on Top Roof to be removed

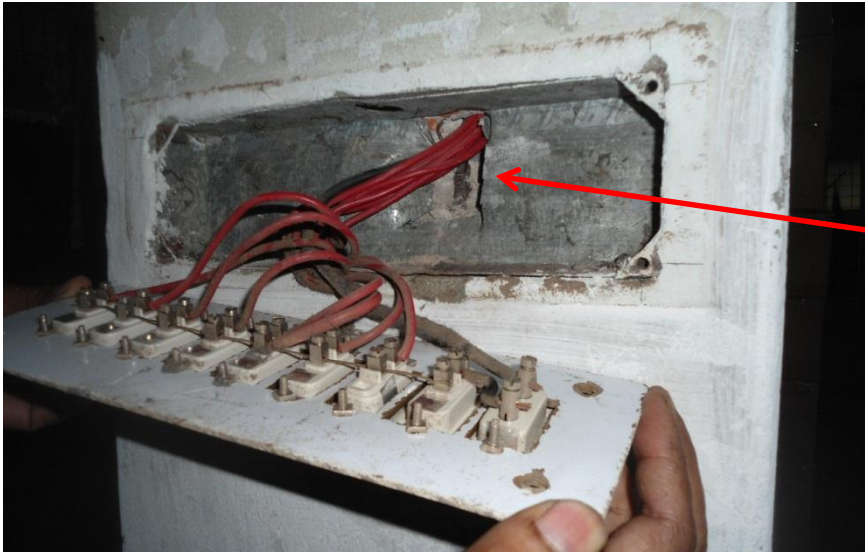


Canteen:

Lightweight steel roof on concrete columns. Masonry walls. No permission for temporary structure on the top roof. They are moving canteen to the ground floor and removing the structure due local authority requirement.

Top roof structure

Minor local damage in columns



Minor damages :

Embedded electric boxes and wire duct cause local spalling of the concrete cover.

Reinforcement bar exposed.

Remaining concrete cover 20 mm. Box depth 50 mm. No relevant column size reduction.

Other minor local damages on columns concrete cover.

The building Engineer to inspect these areas. If required specify remediation treatment system for these damaged areas.



Minor repairs in columns required

Priority Actions

Problems Observed

ITEM 1: Concrete strength in columns.

ITEM 2: Light steel roof structure on top roof (canteen) to be removed. Factory has no permit for this extension. Plans to remove the structure.

ITEM 3: Embedded electrical boxes and wire duct produce local spalling of the concrete cover. Minor local damages in columns. To be repaired as maintenance activity.

ITEM 4: Control loading in Bonded/Storage areas.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Verify concrete strengths in internal columns at ground floor level	Factory Engineer to review design, loads and columns stresses in area identified above.	6-weeks
2	Verify concrete strengths in internal columns at ground floor level	Verify in situ concrete stresses either by cores or existing cylinder strength data for the identified columns.	6-weeks
3	Verify concrete strengths in internal columns at ground floor level	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.	6-months
4	Light steel roof structure on top roof (canteen) to be remove	Factory has to remove structures from the top roof. They have no permit for temporal structures on the roof.	6-months
5	Local spalling due embedded electrical boxes in column and other minor local damages	The building Engineer to inspect these areas. If required specify remediation treatment system for these local damages.	6-months
6	Materials stacked close to ceiling in densely spaced piles	Create controlled loading plans for all floors designating where storage can be placed and can not be placed. Designated areas must be posted and communicated to the factory management	6-months