

# Hannan Fashion Ltd. (9195)

Plot #1155, Shahid Siddique road, Khailkur, Boardbazar, Gazipur, Dhaka, Bangladesh

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**ACCORD**  
on Fire and Building Safety in Bangladesh



# Identified Priority 1 Concerns

## 1st Priority 1 Concern



**Excessive loading on Level 3**

Each box of product is estimated to be approximately 25kg. As they are stacked 4 high, the total weight is 100kg (0.981kN) per stack.

Based on a plan area of 0.3m x 0.5m per stack, the equivalent live load per stack is estimated to be:

$$0.981\text{kN}/(0.3 \times 0.5)\text{m}^2 = 6.54\text{Kpa.}$$

The allowable live load should be kept to a maximum of 3.0Kpa

## Identified Priority 3 Concerns

## 1<sup>st</sup> Priority 3 Concern



The reinforcement left exposed at the upper levels may intentionally be left for future vertical extensions. Any future extension may cause a significant increase in column loads which would need to be fully checked.

## 2<sup>nd</sup> Priority 3 Concern



The new praying room on top of the 5<sup>th</sup> floor level is not recorded on the building permit drawings.

The new construction of the praying room on top of the 5<sup>th</sup> floor level

# Priority Actions

## Problems Observed Summary

**ITEM 1: (1<sup>st</sup> Priority 1) Excessive loading in storage areas**

**ITEM 2: (1<sup>st</sup> Priority 3) Possible future vertical extensions planned.**

**ITEM 3: (2<sup>nd</sup> Priority 3) The new praying room is not recorded on the building permit drawings.**

## Item 1 and actions

There are storage areas with excessive loading. The actual loading on these areas is higher than what should be allowed.

### Priority 1 (Immediate – Now)

- Reduce the storage levels in these areas to keep the floor loading to below 3.0kPa.

### Priority 2 (within 6 – weeks)

- Develop floor loading plans and stick to them. Highlight on each floor how much loading can be stacked.

### Priority 3 (within 6-months)

- Strictly follow the loading plans for all floors.

## Item 2, 3 and actions

The possibility of future vertical extensions may cause increase in loads on the existing structure.

### Priority 1 (Immediate – Now)

- None required

### Priority 2 (within 6 – weeks)

- None required

### Priority 3 (within 6-months)

- Any extensions or modifications of the existing building needs to be investigated by a Structural Engineer and in full compliance with the BNBC.