

**Shafi Processing Industries Ltd (9239)**  
**Giant Knit Ltd (9242)**  
**Giant Apparels Ltd (9241)**  
**Mavis Garments Ltd (9240)**

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## Priority 1 Concerns – Buildings A& B



## 1st Priority 1 Concern - Building B

Based on the load run-down analysis following the agreed minimum design live load assignment, the columns' factor of safety falls between 1.5 and 1.86, giving a AMBER warning. Factory Engineer to review design, loads and columns stresses.



2<sup>nd</sup> Priority 1  
Concern - Building A

Due to a high  
stacking of fabric  
rolls, the columns  
are overstress.

## Identified Priority 3 Concerns – Buildings A & B



1st Priority 3 Concern -  
Building A

Roof made of steel  
columns, beams,  
purlins and bracings.

## 2<sup>st</sup> Priority 3 Concern – Building A



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 long-term soaking of the slab.

## Priority Actions

## **Problems Observed Summary**

**ITEM 1: (1st Priority 1 ) Buildings A and B - Columns loads too stressed.**

**ITEM 2: (2nd Priority 1) Building A - Stacking at every floor.**

**ITEM 3: (1st Priority 3) Building A - Roof made of structural steel.**

**ITEM 4: (2nd Priority 3) Building A – Concrete roof without waterproof membrane.**

## Item 1 and actions – Buildings A & B

Preliminary load take-down calculations indicates that the columns factor of safety is between 1.5 and 1.86.

### Priority 1 (Immediate – Now)

- Factory Engineer to review design, loads and columns stresses.
- Verify insitu concrete stresses by cores from 4 columns.

### Priority 2 (within 6 – weeks)

- Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.
- Detail Engineering Assessment to be completed

### Priority 3 (within 6-months)

- Continue to implement load plan.

## Item 2 and actions – Building A

Stacking at every floor.

### Priority 1 (Immediate – Now)

- At the warehousing of the 3rd floor , the stacking is too high. You must limit the height of the stacking.

### Priority 2 (within 6 – weeks)

- Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.

### Priority 3 (within 6-months)

- Continue to implement load plan.

## Item 3 and actions – Building B

Roof made of structural steel.

### Priority 1 (Immediate – Now)

- Factory engineer to check, collect information and produce accurate and complete as-built documentation

### Priority 2 (within 6 – weeks)

- Factory engineer to review design, loads and columns stresses.

### Priority 3 (within 6-months)

- None required

## Item 4 and actions – Building B

Roof appears not to have any waterproofing system applied.

### Priority 1 (Immediate – Now)

- Not required

### Priority 2 (within 6 – weeks)

- Not required

### Priority 3 (within 6-months)

- Consider applying a new waterproofing membrane.
- Manage drainage from above levels and water tanks to downpipes to avoid structural corrosion due to continuous moisture.