

# Golden Refit Garment Ltd. (9248)

589, Chirirchala, Baghairbazar, Bhabanipur, Gazipur, Bangladesh

(24.166861N, 90.427780E)

23.MARCH.2014



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



## Identified Priority 2 Concerns

# Uncontrolled Heavy Storage Loading

Priority 2 Concern



Uncontrolled heavy storage on ground and 4<sup>th</sup> floor. (GF not a problem).

# Overall Stability System



Concerns with the stability system for lateral loading and seismic loading. Façade brickwork with little capacity; lack of moment capacity in connection between columns and beams.



A further Detail Engineering Assessment is required to determine whether the structure can resist normal and seismic lateral loads.

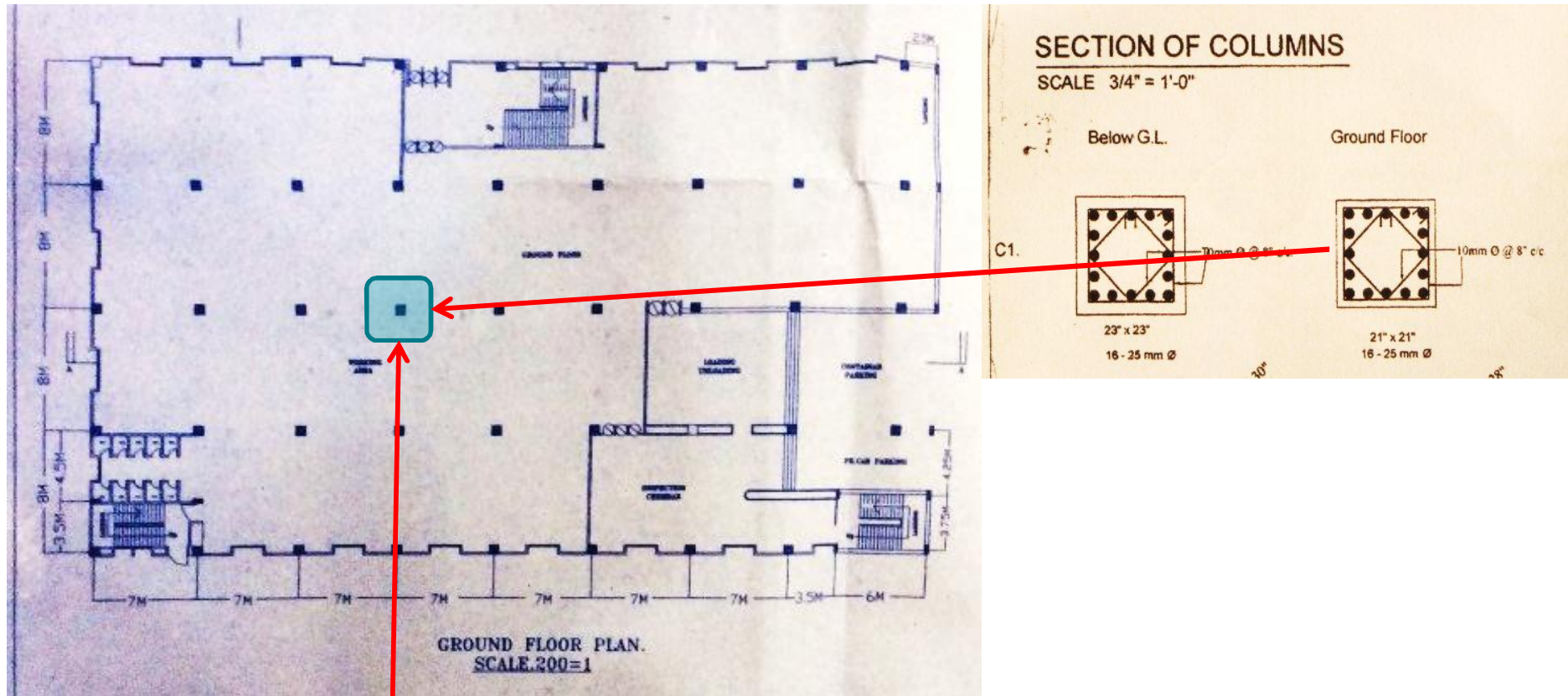
## Identified Priority 3 Concerns

Waterproofing material to be applied including rust-proof paint for the exposed reinforcement



An appropriate layer of waterproofing needs to be applied including anti-rust paint for the exposed reinforcement.

## Key Column Stress Check :



**Load rundown** at the key steel column, it is found that the column stress is within the range of FOS equals from 1.50 to 1.86 which is **YELLOW** rating.

Internal Column Stress

# Priority Actions

## **Problems Observed Summary**

**ITEM 1: (Priority 2) Uncontrolled Heavy Storage Loading.**

**ITEM 2: (Priority 2) Stability System and Foundations.**

**ITEM 3: (Priority 3) Waterproofing material and rust-proof paint for the exposed reinforcement.**

## Item 1 and actions

### Uncontrolled Heavy Storage Loading on ground floor

#### Priority 1 (Immediate – Now)

- None required.

#### Priority 2 (within 6 – weeks)

- Reduce stacking height of fabric rolls to ensure total load does not exceed 3.0 kPa
- Adopt some sort of signage/staff guidance to ensure that the maximum weight of storage is not exceeded.

#### Priority 3 (within 6-months)

- Maintain standards of quality control to ensure that storage procedures are correctly followed so that overloading problems do not arise in the future.

## Item 2 and actions

### Stability System / Moment Frame Capacity

#### Priority 1 (Immediate – Now)

- None required

#### Priority 2 (within 6 – weeks)

- Detail engineering assessment to be carried out in particular stability and foundation aspects to be investigated in detail.

#### Priority 3 (within 6-months)

- None required

## Item 3 and actions

Waterproofing material and rust-proof paint for the exposed reinforcement

**Priority 1  
(Immediate – Now)**

- None required

**Priority 2  
(within 6 – weeks)**

- None required

**Priority 3  
(within 6-months)**

- Waterproofing material to be applied including rust-proof paint for the exposed reinforcement