

Sensible Fashion Pvt. Ltd. (11506)

North Masdair (malanchanagar), Fatullah, Narayangonj.

(+23.633242N, 90.483894E)

02.June.2014



Identified Priority 1 Concerns

1st Priority 1 Concern



Generator Building



Main Building

The second floor of the generator building was overloaded. In addition, storage loading was observed on the cantilevered portion of the slab of the main building.

Identified Priority 2 Concerns

1st Priority 2 Concern



Structural Drawings for the generator building were incomplete.

Identified Priority 3 Concerns

1st Priority 3 Concern



The permit drawings indicate 7 storeys, however the structural drawings and soils report are only for 6 storeys.

Constructed

Not Constructed or Designed for

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 an 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 1) The second floor of the generator building was overloaded. In addition, storage loading was observed on the cantilevered portion of the slab of the main building.**
- ITEM 2: (Priority 2) Structural Drawings for the generator building were incomplete.**
- ITEM 3: (Priority 3) The permit drawings indicate 7 storeys, however the structural drawings and soils report are only for 6 storeys.**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Priority 1 - The second floor of the generator building was overloaded. In addition, storage loading was observed on the cantilevered portion of the slab of the main building.	Remove all loading on the 2nd floor of the generator building down to a maximum of 2.0 kPa (40 psf). Remove all loading on the cantilevered portion of slab of the main building down to a maximum of 2.0 kPa (40 psf).	Immediate - Now
2	Priority 1 - The second floor of the generator building was overloaded. In addition, storage loading was observed on the cantilevered portion of the slab of the main building.	Design Engineer to produce loading plans for all floors of the main building and generator building, based on the maximum load bearing capacity.	6-weeks
3	Priority 1 - The second floor of the generator building was overloaded. In addition, storage loading was observed on the cantilevered portion of the slab of the main building.	Post loading plans on each floor of main building and generator building and manage the load.	6-months
4	Priority 2 - Structural Drawings for the generator building were incomplete.	Design Engineer to produce complete and accurate structural drawings for the generator building.	6-weeks
5	Priority 3 - The permit drawings indicate 7 storeys, however the structural drawings and soils report are only for 6 storeys.	If 6 storeys are intended, revise the architectural drawings to show only 6 storeys. If 7 storeys are desired, additional structural and soils investigations are required to determine feasibility, as well as revised reports and drawings.	6-months