

# Panorama Apparels Ltd. (9315)

Vogra,Basan Sarak, National University,Gazipur

(+23.976710N, 90.381106E)

30.June.2014



## Identified Priority 2 Concerns

## 1<sup>st</sup> Priority 2 Concern



Existing cantilever bridge between building 1 and 2.

The cantilever bridge from building 2 to building 1 was not shown on the structural drawings.

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

-----

No movement joint  
between buildings 1,2  
and 3.



The movement joint  
seems to be filled with  
plastered materials.

# Overall Stability System



The buildings 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 this item be investigated in a 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: (1<sup>st</sup> Priority 2) The bridges between the two buildings do not appear on structural plan**
- **ITEM 2: (2<sup>nd</sup> Priority 2) Absence of movement joint**
- **ITEM 3: (3<sup>rd</sup> Priority 3) No obvious lateral stability system for these buildings**
- **ITEM 4: (4<sup>th</sup> Priority 4) Water ingress**

| Item No. | Observation                                                                              | Recommended Action Plan                                                                                                      | Recommended Timeline |
|----------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1        | 1st Priority 2 - The bridges between the two buildings do not appear on structural plan. | Carry out an Engineering Assessment to verify if cantilever bridge is adequately designed.                                   | 6-weeks              |
| 2        | 1st Priority 2 - The bridges between the two buildings do not appear on structural plan. | Update existing drawings to include bridge.<br>Carry out recommendations of Engineering Assessment.                          | 6-months             |
| 3        | 2nd Priority 2 - Absence of movement joint.                                              | Remove all materials to obtain proper movement joint.<br>Appropriate method should be approved by a qualified Engineer.      | 6-months             |
| 4        | 3rd Priority 3 - No obvious lateral stability system for these buildings.                | Carry out an Engineering Assessment on the building to verify that it is stable under lateral loading.                       | 6-weeks              |
| 5        | 3rd Priority 3 - No obvious lateral stability system for these buildings.                | Carry out recommendations of Engineering Assessment.                                                                         | 6-months             |
| 6        | 4th Priority 4 - Water ingress                                                           | Waterproofing on the roof slab is to be applied. Moreover the roof slab drainage system should be investigated and improved. | 6-months             |