

Loyal Apparels Limited (9544)

403, Kulgaon, Hathajari Road, Jalalabad, Baizid, Chittagong

(+ 22.398042N, 91.818806E)

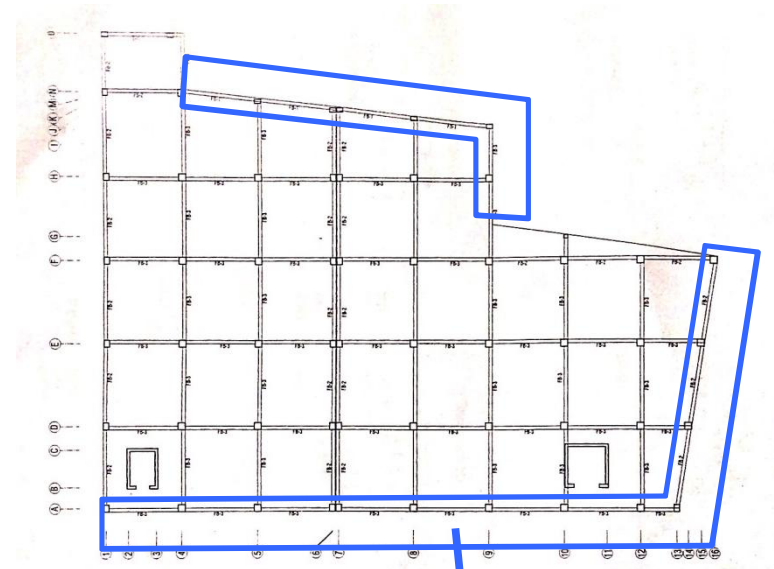
23.APRIL.2014



Identified Priority 2 Concerns

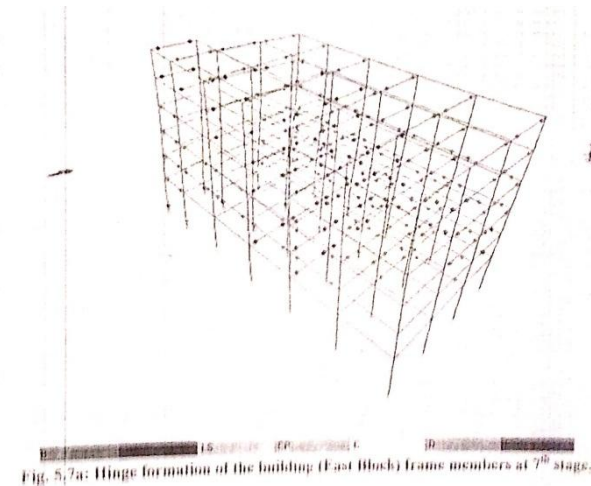
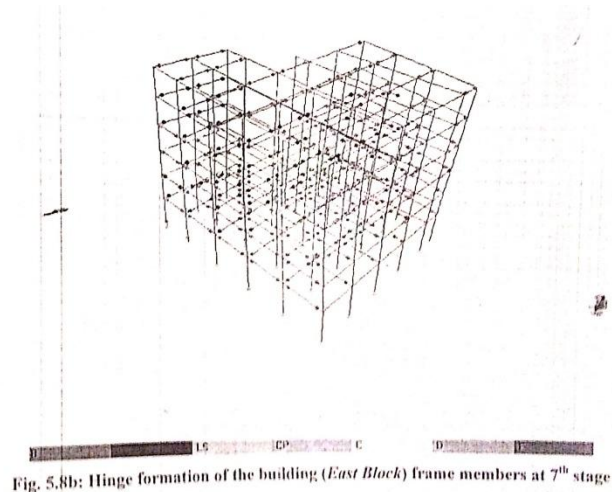
- Inconsistencies between the provided drawings and the actual as-built conditions (Building 1).

1st Priority 2 Concern



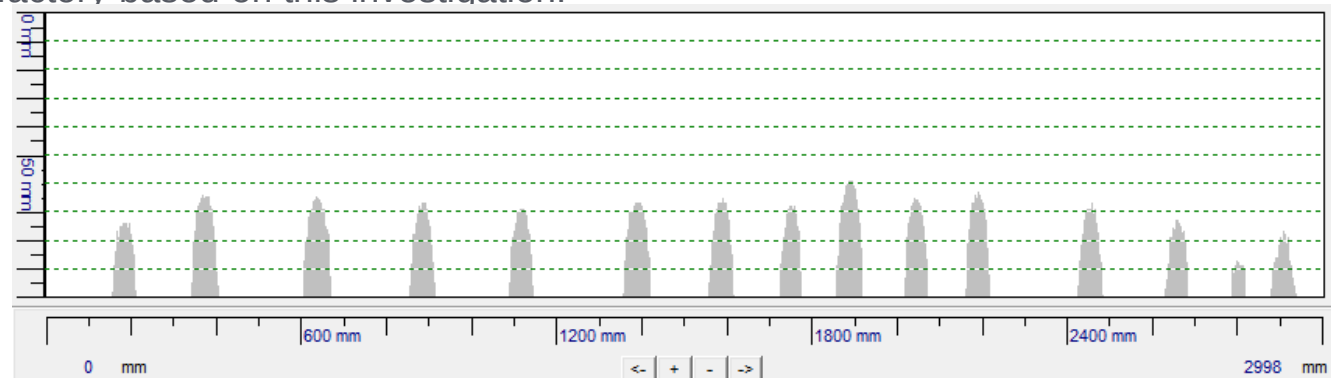
There are cantilevered slabs and beams that do not appear on the Building 1 structural drawings.

- Overall stability system / shear wall and moment frame capacity.



The stability system for lateral loading and seismic loading of this building is a combination of shear walls and moment frames. The resisting system has been investigated in detail by the Department of Civil Engineering, Chittagong University of Engineering and Technology (CUET). The performance of this system appears to be satisfactory based on this investigation.

We checked with along a shear wall with a Ferro-scanner and found both regular vertical and horizontal re-bars.



The overall stability is still uncertain and unclear to us as the provided Structural drawings differ so much from the actual as-built conditions.

Priority Actions

Problems Observed Summary

- ITEM 1: (Priority 2)** Inconsistencies between the provided drawings and the actual as-built conditions.
- ITEM 2: (Priority 2)** Overall stability system / shear wall and moment frame capacity – doubts due to the inconsistencies between the drawings and what was built.

Item 1 and actions

Inconsistencies between the provided drawings and the actual as-built conditions.

Priority 1 (Immediate – Now)

- None required.

Priority 2 (within 6 – weeks)

- Factory Engineer to survey the actual conditions and revise the drawings.
- Factory Engineer to review design, loads and columns stresses to confirm suitability for loads applied.
- Produce and actively manage a loading plan for all floor plates within the storage building giving consideration to floor and column capacities.

Priority 3 (within 6-months)

- Continue to implement and enforce loading plans.

Item 2 and actions

Overall stability system / moment frame capacity. Doubts with it's effectiveness sue to drawing / as-built inconsistencies.

Priority 1 (Immediate – Now)

- None required.

Priority 2 (within 6 – weeks)

- Request that the Factory Engineer or CUET review the recent stability check taking into account the drawing/as-built inconsistencies reflecting accurately the actual as-built conditions.

Priority 3 (within 6-months)

- None required.