

Shovon Knitwear Ltd. (10922)

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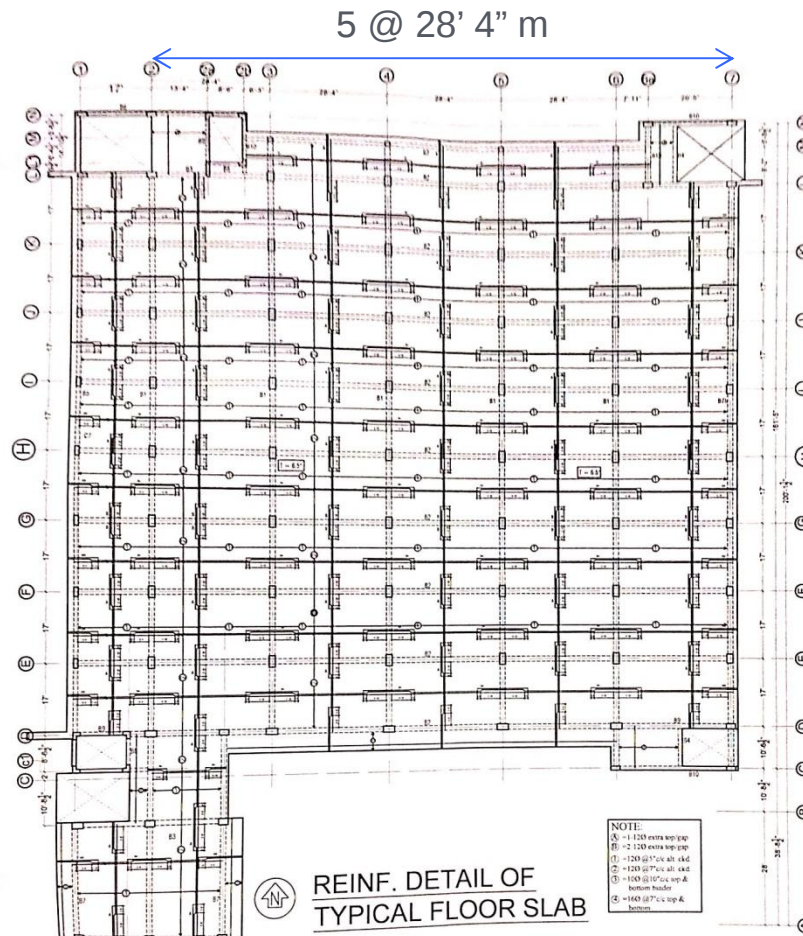
27.APRIL.2014



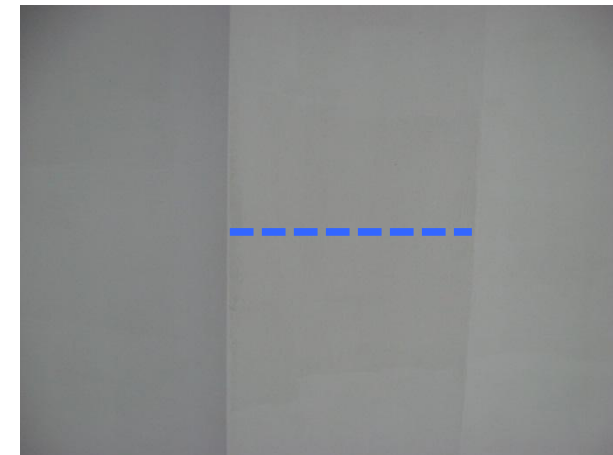
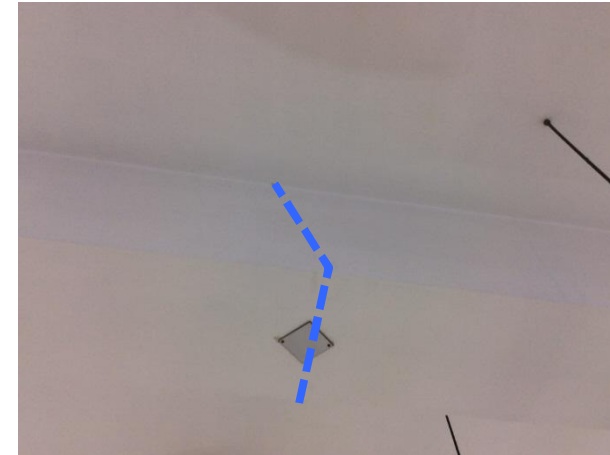
Identified Priority 2 Concerns

Cracks on 4th floor beam.

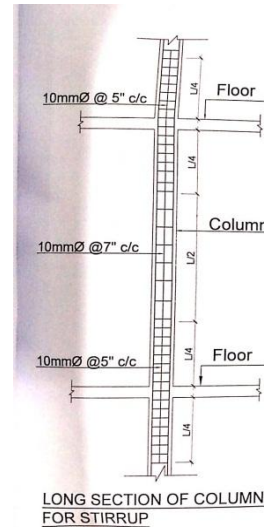
1st Priority 2 Concern



Several cracks found on 4th floor beams spanning approx. 8.50m. We were informed that structural elements in this building were covered with plasterwork. It is not clear if these cracks are structural. They should be investigated further.



Overall stability system / moment frame capacity



It is appeared that the original Engineer was aware of lateral loads. However, there is no evidence that a lateral stability system had been used. Therefore, we require that these items are investigated as part of a Detailed Engineering Assessment .



STRUCTURAL DESIGN CRITERIA & MIN

1. GENERAL

- DESIGN METHOD USED IS USD ACCORDING TO BANGLADESH NATIONAL BUILDING CODE (BNBC) 2006, UBC 1997 AND ACI 1999
- ALL THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
- FOLLOW BNBC/93 FOR SPECIFICATIONS/STRUCTURAL REQUIREMENTS NOT MENTIONED IN THE DRAWINGS OR IN THIS NOTE SHEET.
- ANY DETAILS NOT SHOWN IN THE DRAWING SHOULD BE DONE ACCORDING TO ACI DETAILING MANUAL - 1999
- BASIC WIND SPEED = 210 km/hr
- SEISMIC ZONE - 2
- OTHER LOADS AS PER BNBC 1993

Priority Actions

Problems Observed Summary

ITEM 1: (Priority 1) Cracks on 4th floor beam.

ITEM 2: (Priority 2) Overall stability system / moment frame capacity.

Item 1 and actions

Cracks on the 4th floor beams.

Priority 1 (Immediate – Now)

- None required.

Priority 2 (within 6 – weeks)

- The Factory Engineer to investigate the cause of cracks by appropriate methods.
- The distress found is to be suitably rectified and then repaired.

Priority 3 (within 6-months)

- Create loading plans for each floor level.
- Maintain standards of quality control to ensure that loading plan is correctly followed so that problems do not arise in the future.
- Maintain and enforce the loading plans.

Item 2 and actions

Overall stability system / moment frame capacity.

Priority 1 (Immediate – Now)

- None required.

Priority 2 (within 6 – weeks)

- Request that the Detailed Engineering Assessment of overall building to be carried out again with the actual built conditions.

Priority 3 (within 6-months)

- None required.