

Honeywell Garment Ltd. (9725)

Plot#1010,1011, Ambag, Mouza Baghia, Konabari, Gazipur, Bangladesh

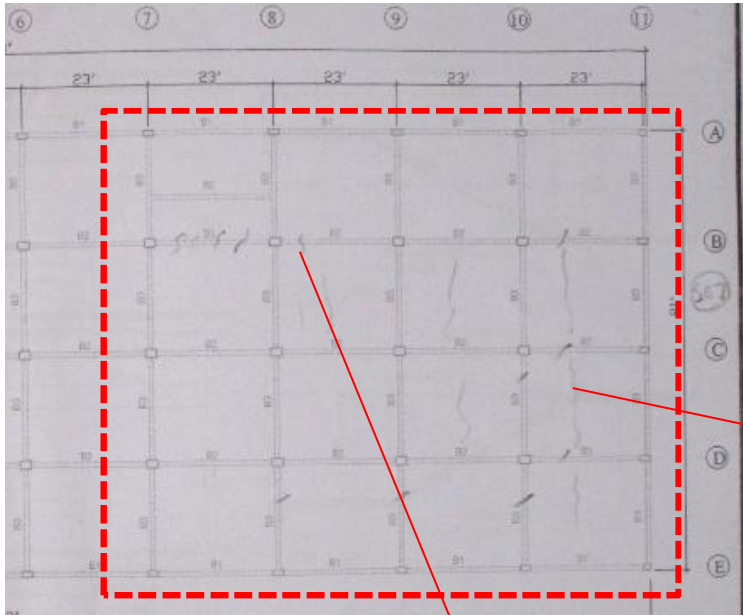
(24.024425N, 90.318351E)

25.MARCH.2014



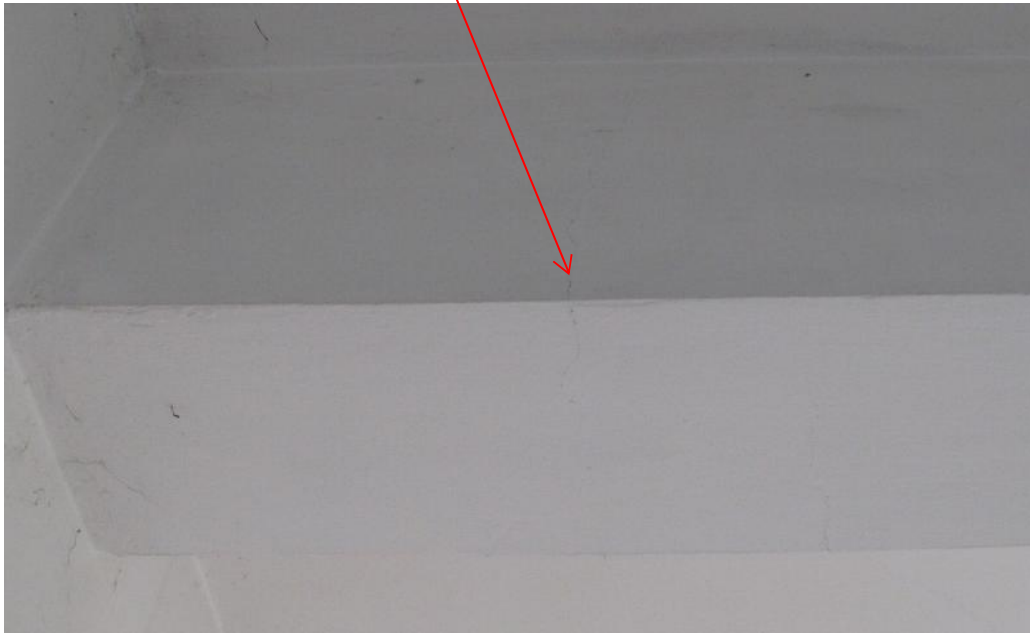
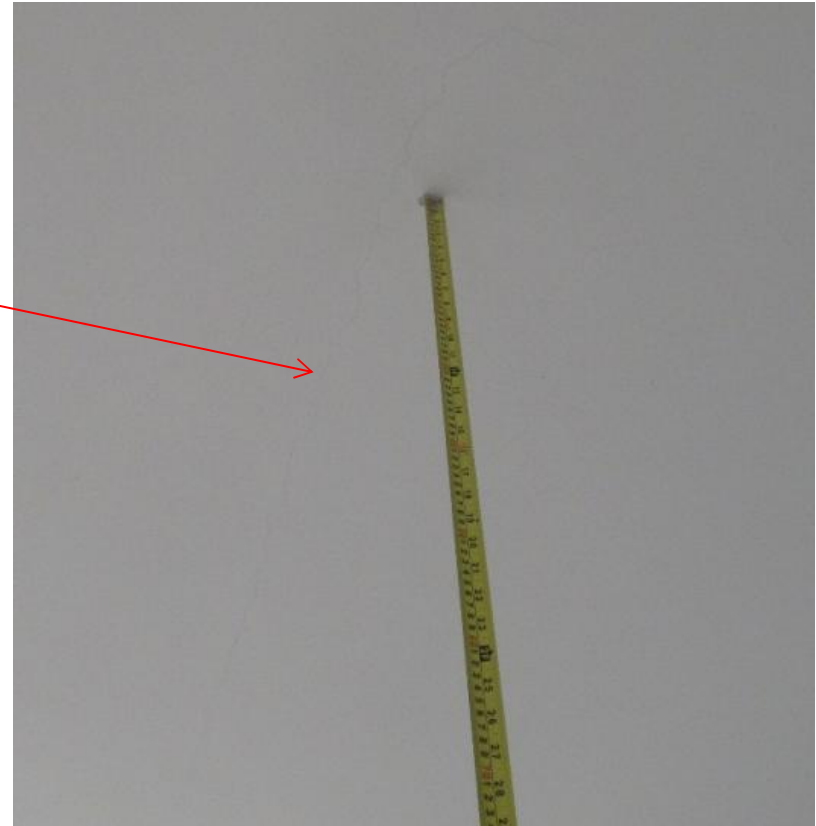
Identified Priority 2 Concerns

Cracks in slabs and beams, this needs further investigation and local slab and beam capacity checks.



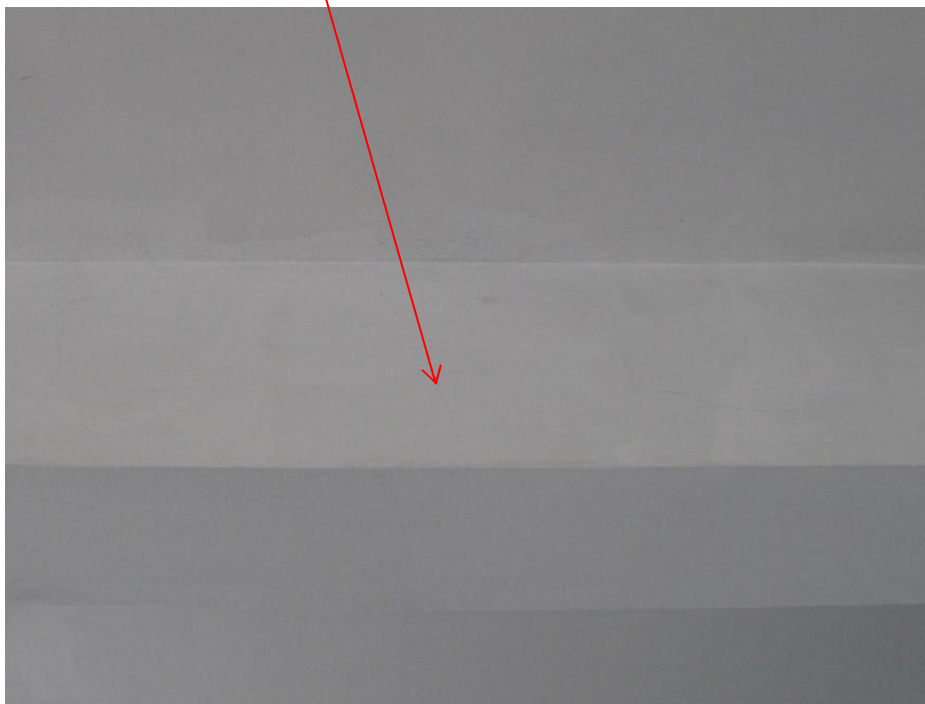
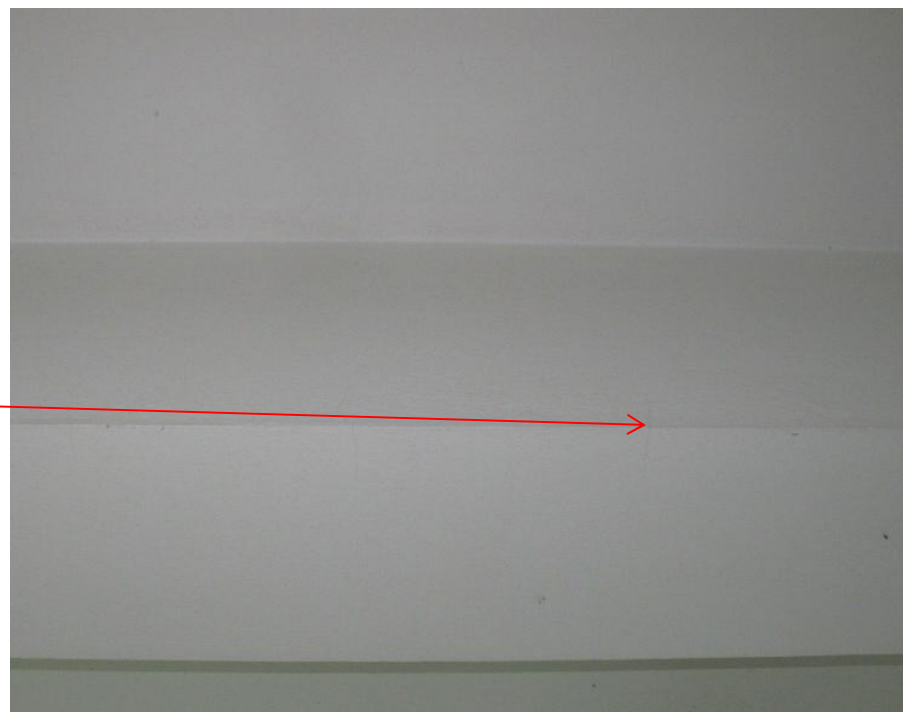
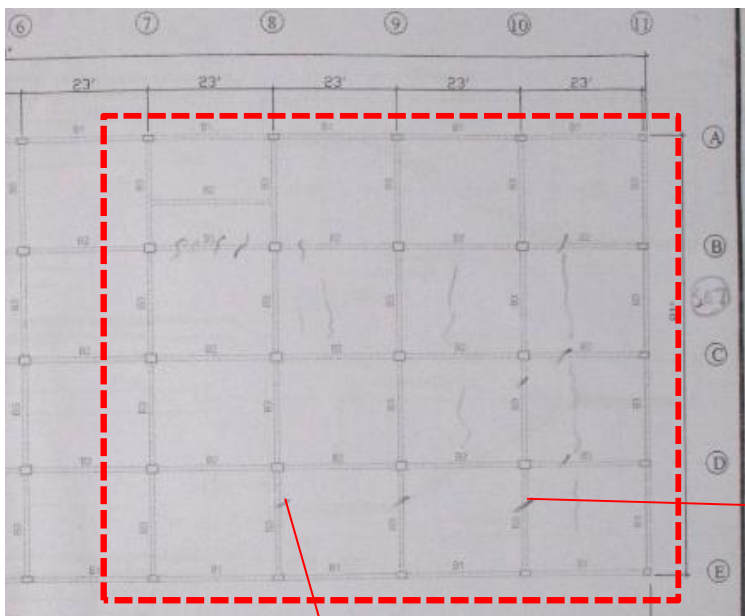
It is appeared cracking in slab and beam on 3rd to 4th floor in this area without heavy load during survey.

Priority 2 Concern



Appeared cracking in slab and beam, investigate further, carry out beam and slab capacity checks. Suitably repair if structurally adequate.

Priority 2 Concern



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

Priority 2 Concern



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

Overall Stability System



Concerns on the stability system's ability to withstand for normal lateral seismic loading. Façade brickwork has little capacity - lack of moment capacity in the connections between columns and beams.

A Detailed Engineering Assessment is required to determine if the existing lateral stability system is able resist normal and earthquake lateral loads.



Water Ingress

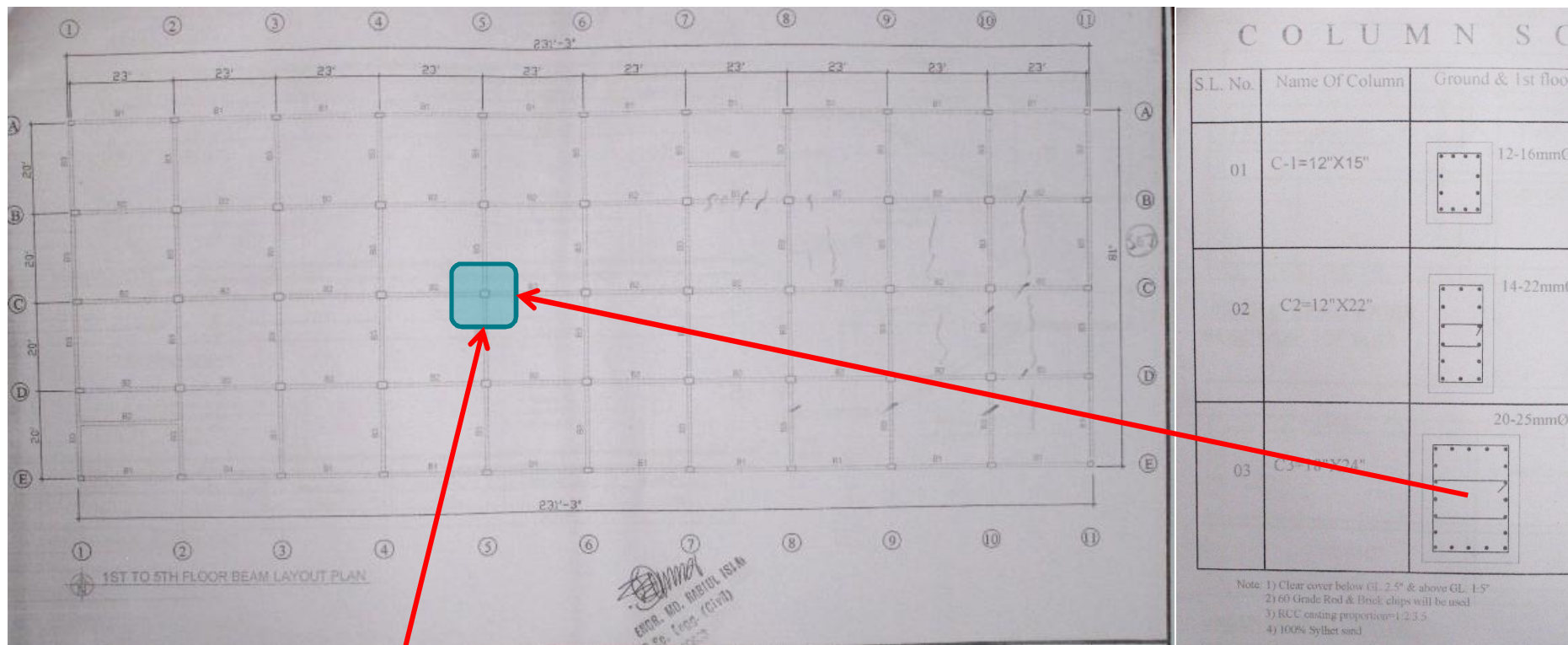
Priority 2 Concern



It appears that water has been allowed to enter the structure from roof level, adjacent to the roof top water tank and possibly other areas. This will cause deterioration to structural elements if left unattended.

Key Column Check Load Run Down

Key Column Stress Check :



Load rundown at the key steel column, it is found that the column stress is within the range of FOS greater than 1.86 which is **GREEN** rating.

Internal Column Stress

Priority Actions

Problems Observed Summary

ITEM 1: (Priority 2) Cracks in slabs and beams need further investigation - capacity checks also required.

ITEM 2: (Priority 2) Waterproofing material and rust-proof paint for the exposed reinforcement.

ITEM 3: (Priority 2) Leaking water can cause damage and corrosion.

ITEM 4: (Priority 2) Stability System and Foundations.

Item 1 and actions

Cracks in slabs and beams need further investigation- capacity checks are also required.

Priority 1 (Immediate – Now)

- None required.

Priority 2 (within 6 – weeks)

- A Detailed Engineering Assessment of the factory is to be carried out and a suitable method of repairs developed.
- Simply plastering over is not allowed.

Priority 3 (within 6-months)

- Continue to implement load plan and Detailed Engineering Assessment results are to be implemented.

Item 2 and actions

Waterproofing material and rust-proof paint for the exposed reinforcement

Priority 1 (Immediate – Now)

- None required

Priority 2 (within 6 – weeks)

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

Priority 3 (within 6-months)

- None required.

Item 3 and actions

Water ingress and Leaking with potential to cause corrosion and lasting damage to roof slab.

Priority 1 (Immediate – Now)

- None required

Priority 2 (within 6 – weeks)

- The factory engineer is to inspect the water damaged structure including the exterior and proposed a suitable repair. An effective roof drainage system and waterproofing system is to be installed.

Priority 3 (within 6-months)

- Implement and continuously maintain.

Item 4 and actions

Stability System / Moment Frame Capacity

Priority 1 (Immediate – Now)

- None required

Priority 2 (within 6 – weeks)

- A Detailed Engineering Assessment is to be carried out considering in particular overall stability and foundation suitability.

Priority 3 (within 6-months)

- None required