

BHML Industries Ltd.

Kamarjuri, Natun Bazaar, National University, Gazipur

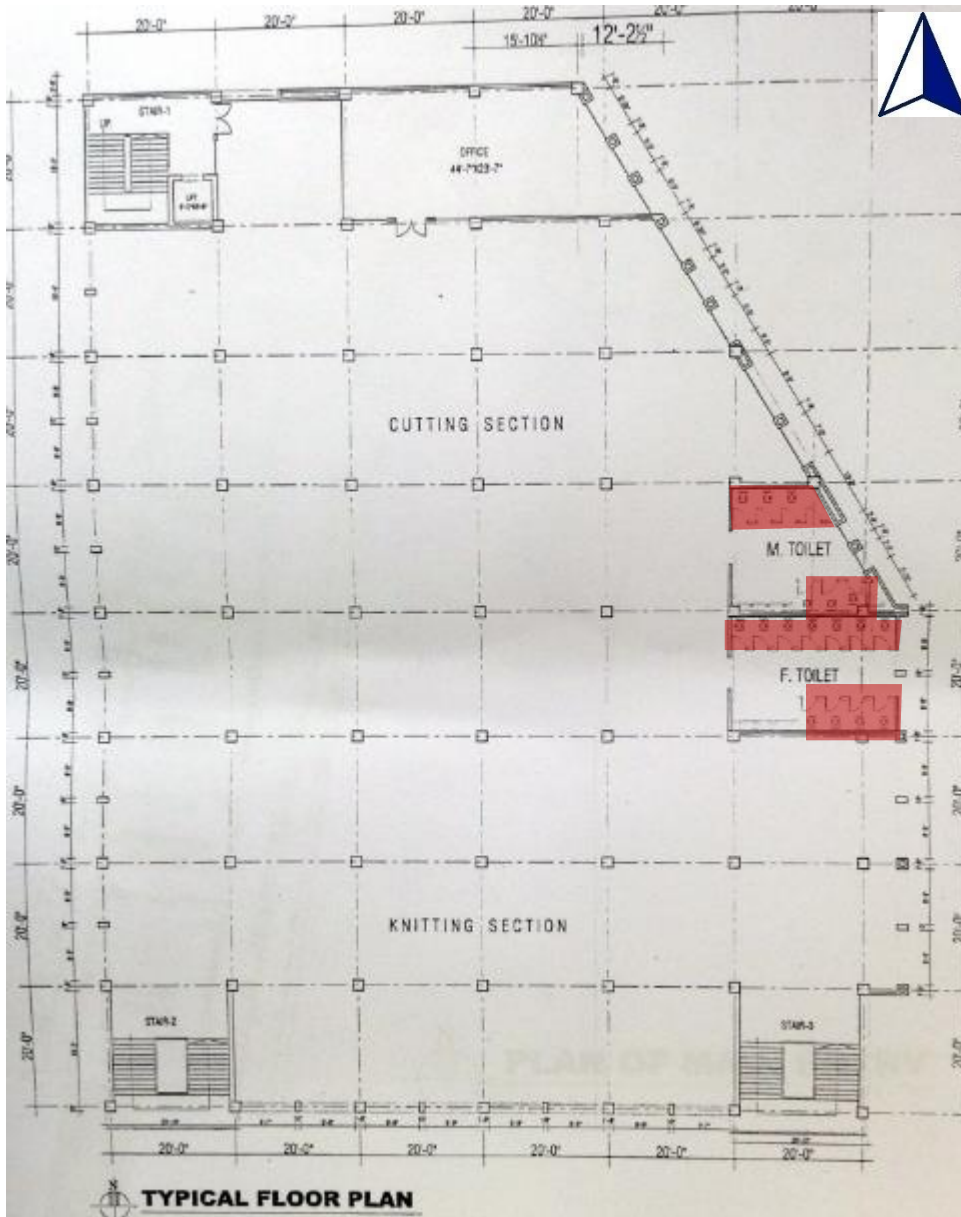
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18 February 2015



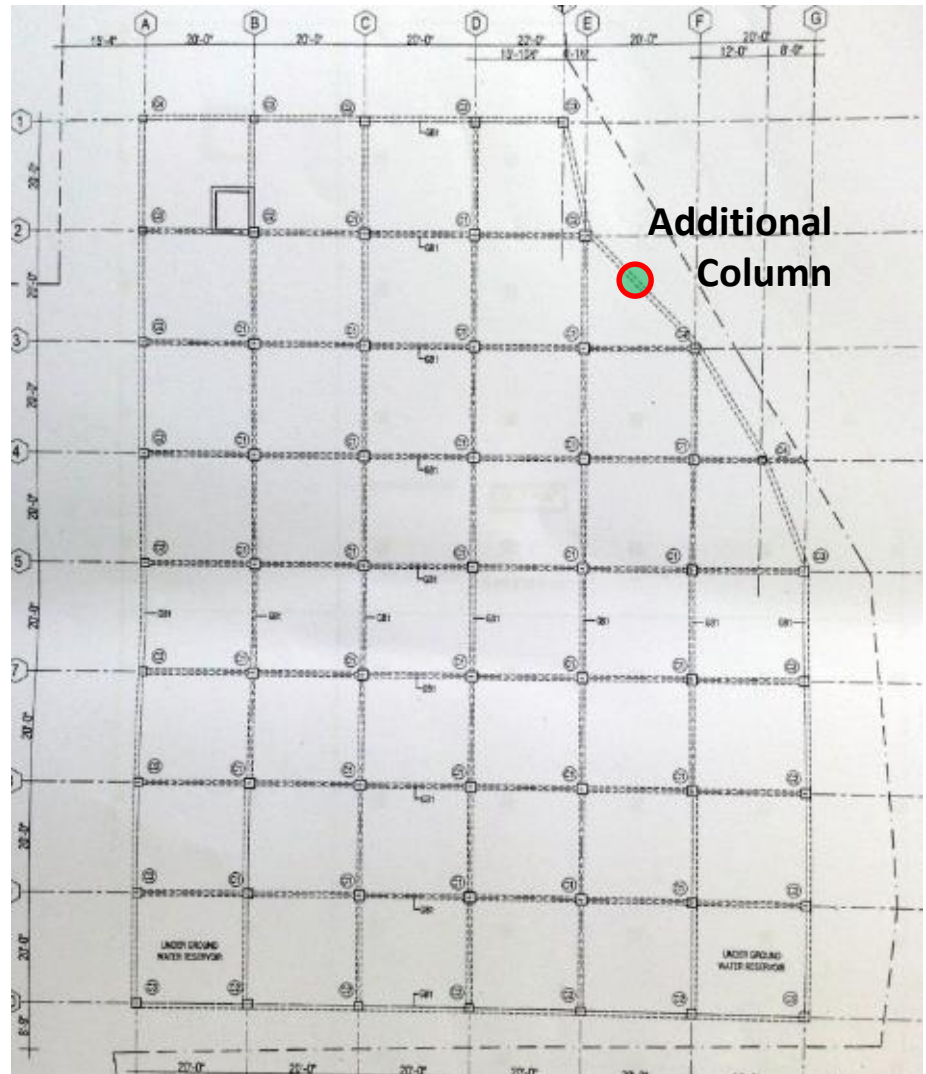
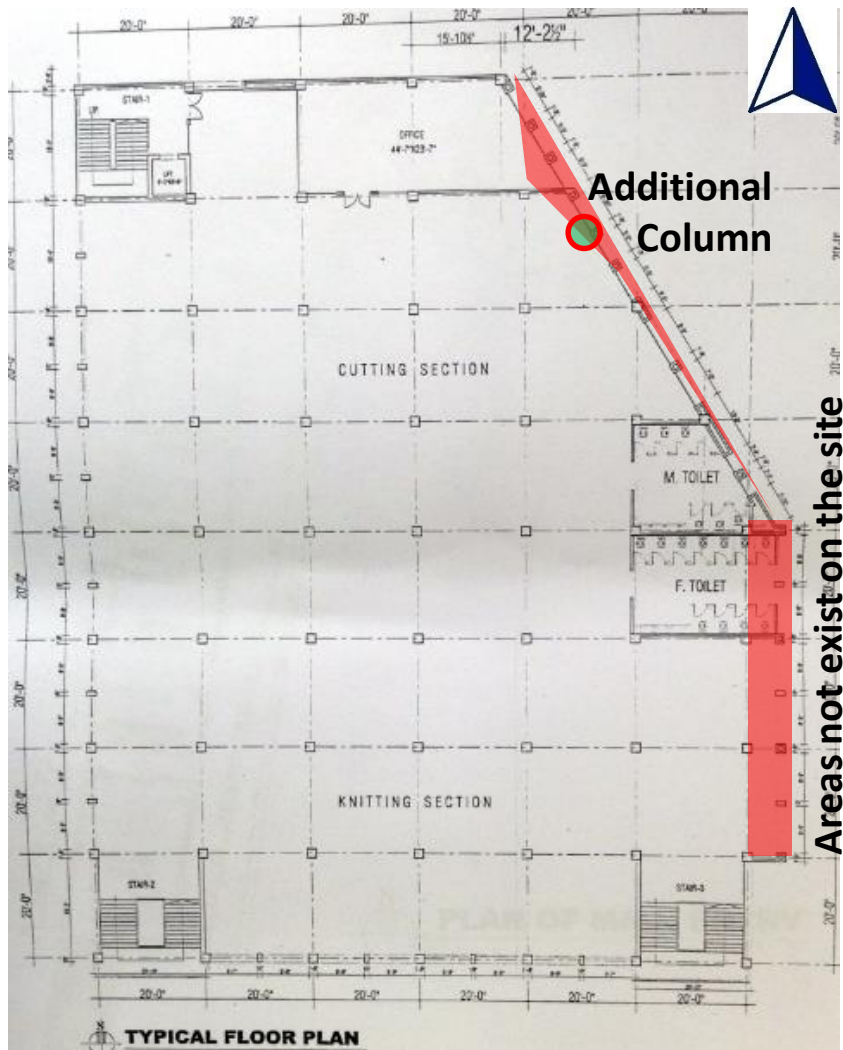
Observations

Heavy floor build up under toilets



Build-ups observed in the toilet area.

Discrepancies of the as-built drawings



**Discrepancies of the as-built architectural and structural drawings.
Additional column presence on inspection, not shown on of the any drawings.**

Observation & Tests on site



Stone aggregate in the Main Production Building B1



Reinforcement scanning

Priority Actions

Problems Observed

ITEM 1: High loads in the toilet columns after proposed extension to 6 storeys completed. (Loads satisfactory at present)

ITEM 2: Discrepancies between as-built and the drawings

ITEM 3: Lack of loading plans

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	High loads on the columns in the toilet zone after completion of proposed extension to 6 storeys	Factory Engineer to review design , loads and all column stresses and confirm in situ concrete strength if extension to proceed.	6-weeks
2	High loads on the columns in the toilet zone after completion of proposed extension to 6 storeys	Upward extension should be put on hold until the completion of the engineering review	6-weeks
3	High loads on the columns in the toilet zone after completion of proposed extension to 6 storeys	Carry out the recommendations of the review.	6-months
4	Discrepancies between drawings and the as built site observations	Factory Engineer to up-date as-built drawings to reflect existing structure	6-months
5	Missing loading plans	Factory Engineer to make loading plans for each floor, based on the column, beam & slab capacity.	6-months