

Newtex Knit Fashion Ltd.

Gorai, Industrial Area, Mirzapur

24.094229, 90.173475

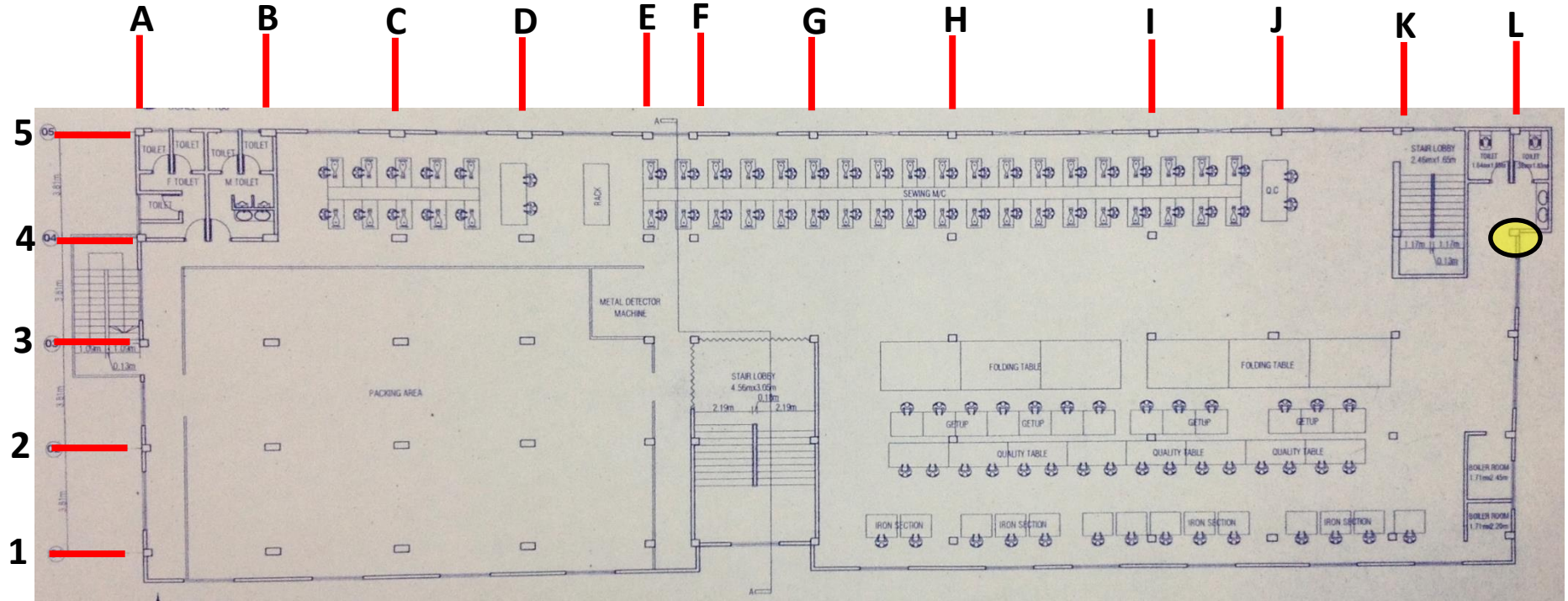
24th May 2014



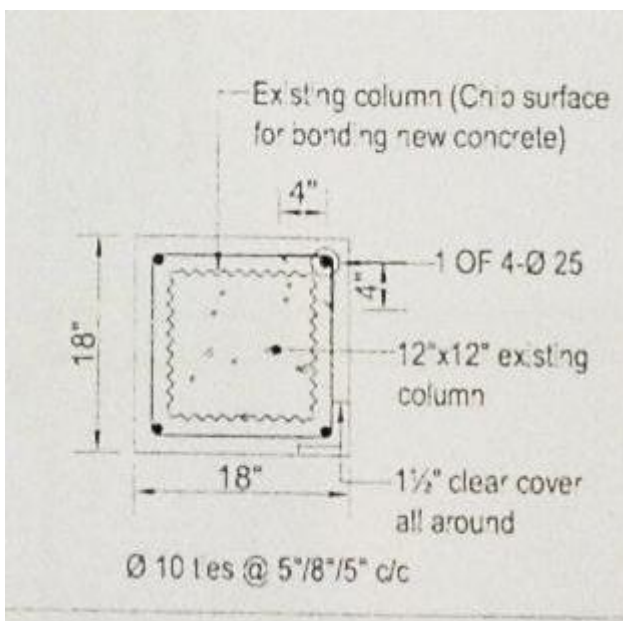
Building Observations

**High stress levels in columns/cantilevered
concrete slabs.**

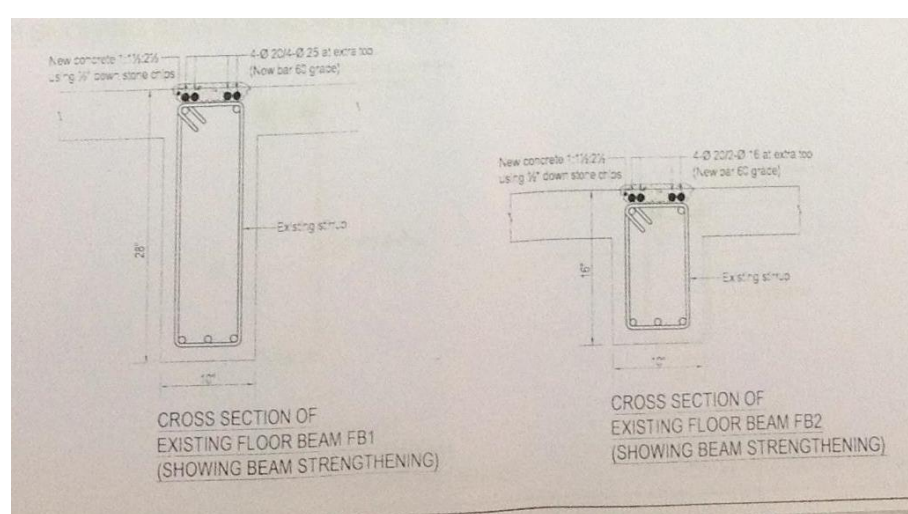
Cantilever
↔



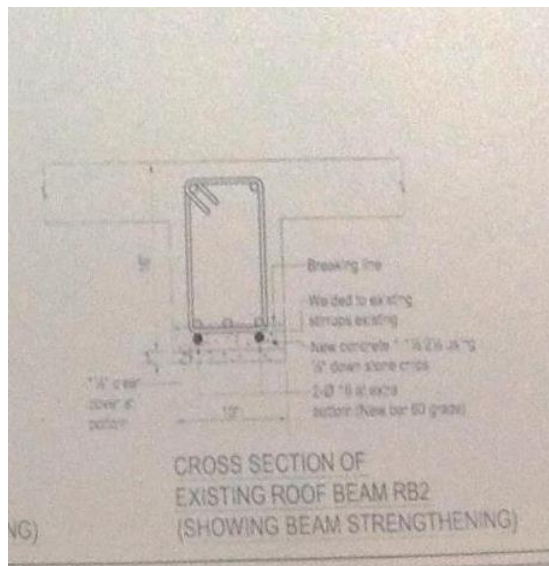
Column & Beam Strengthening



Column Strengthening



Beam Strengthening (has cover to top reinforcement been compromised?)

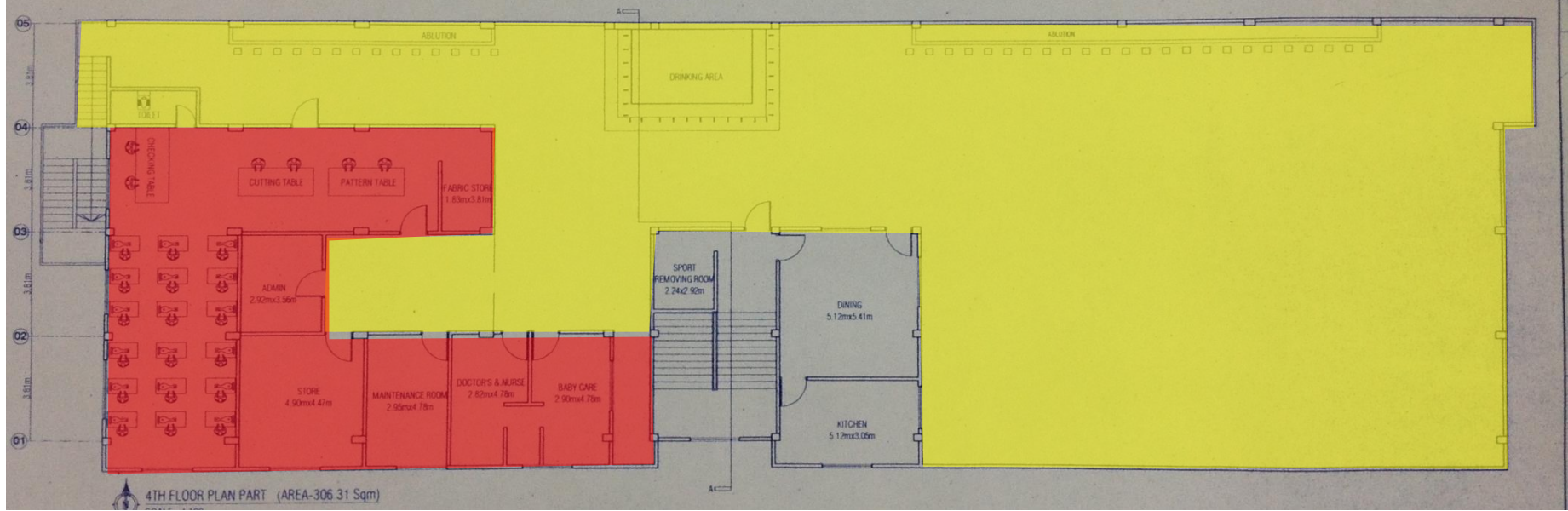


Beam Strengthening (new bar welded to link, is weld adequate?)



Lighter floor colouring
Is where beam
strengthening has
occurred.

Large Build up on Roof



65mm Build Up at roof Level

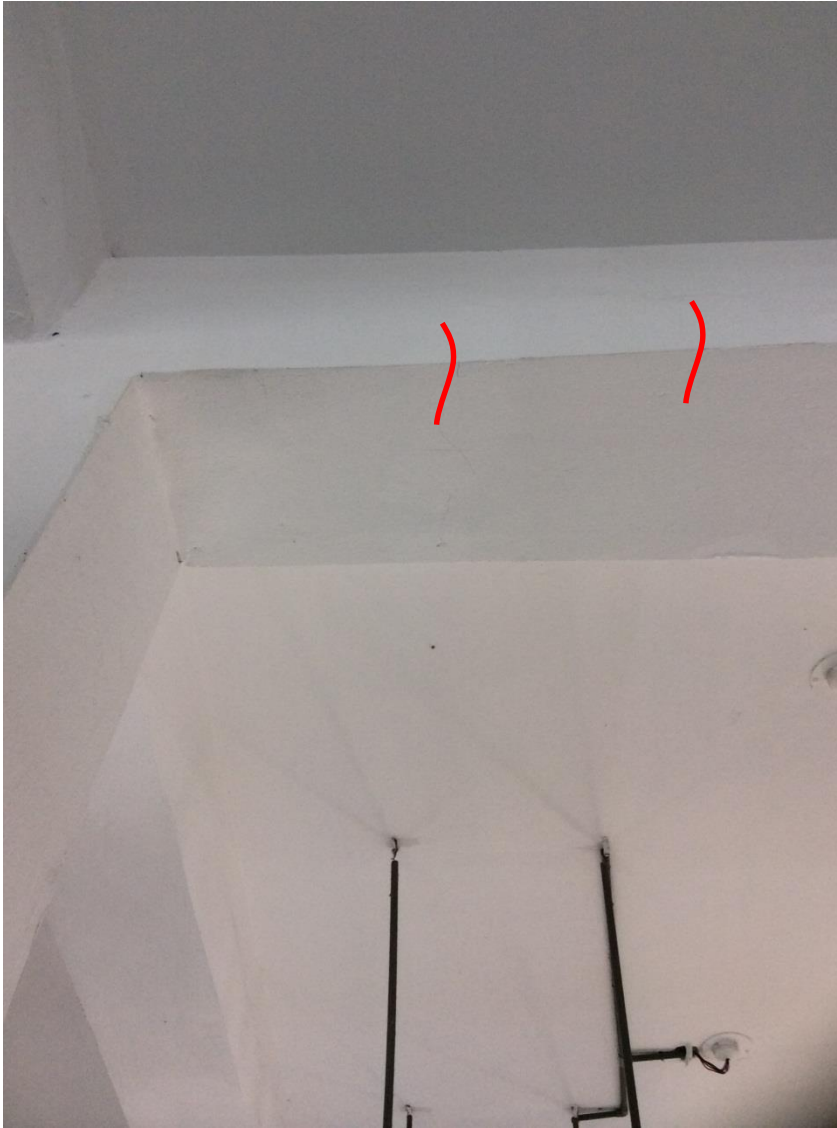


Additional 60mm Build Up at roof Level



Additional 90mm Build Up In toilet area at roof level.

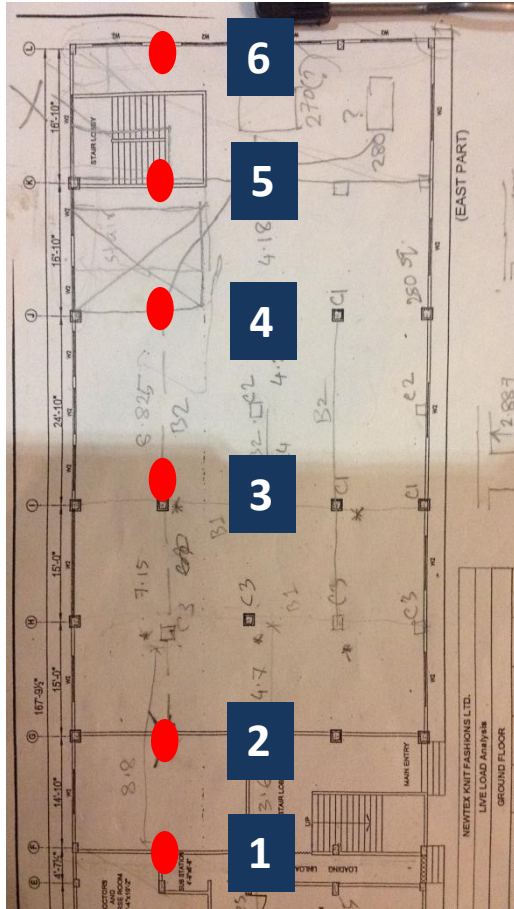
Cracking in Beams



Cracking in Beams, most have recently been repaired and repainted, some have re-opened.

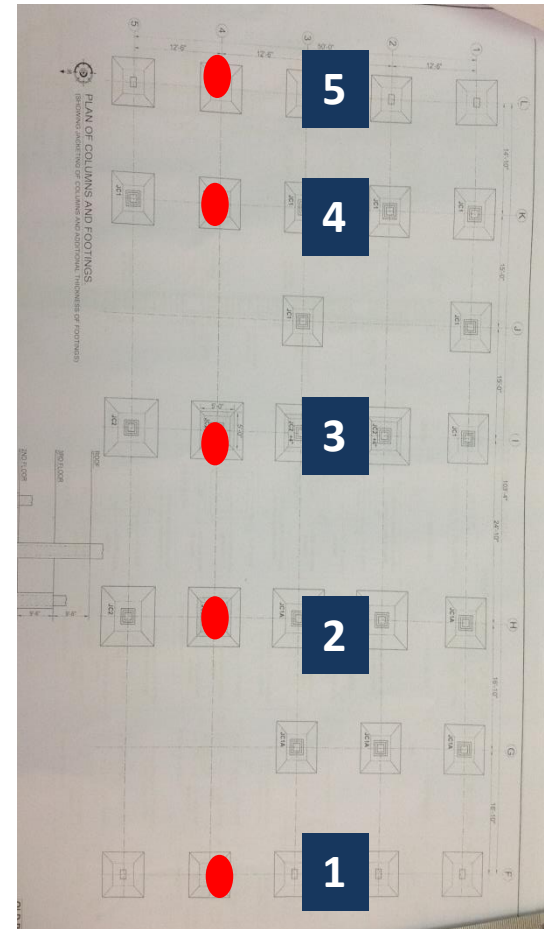
Discrepancies between Loading Plan and Drawings/Actual Observations

Observations



Loading Plan

There is an additional grid/column line in the loading plan compared to structural Layout and actual observations



Structural Layout

Discrepancies between Loading Plan and Drawings/Actual Observations

Un-engineered Steel/Bamboo Shed

Observations



Observations

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	High stress levels in cantilevered concrete slab/perimeter columns	Building Engineer to confirm by calculation the adequacy of the perimeter columns to carry the loading from the cantilevered elements in the building	6-weeks
2	Additional floor build ups and wall loadings at roof level	Building Engineer to confirm the adequacy of the structure to support the additional screeds, walls etc. at roof level.	6-months
3	Strengthening of Columns/Beams	Building Engineer to confirm that the reinforcement cover to the top of the beam strengthening is adequate and that the welding of the new bars to the underside of the link is structurally adequate.	6-months
4	Cracking in Beams	Building Engineer to confirm that the cracking in beam elements is non-structural.	6-weeks
5	Cracking in Beams	Building Engineer to monitor cracking on an on-going basis.	6-months
6	Discrepancies between loading plan and as built structure	Building engineer to check the adequacy of the existing structure to take the loading from the as built structure.	6-months
7	Discrepancies between loading plan and as built structure	Building engineer to implement load management plan.	6-months
8	Discrepancies between loading plan and as built structure	Continue to implement load management plan	6-months
9	Non-engineered steel/Bamboo Dining area	Lightweight structure to be reconstructed/upgraded to ensure adequacy for code vertical and wind loads by the Building Engineer.	6-months