



Good Rich Sweaters Ltd (New building)

Palashbari, Ashulia, Savar, Dhaka

(23.929859, 90.265468)

29th January 2018

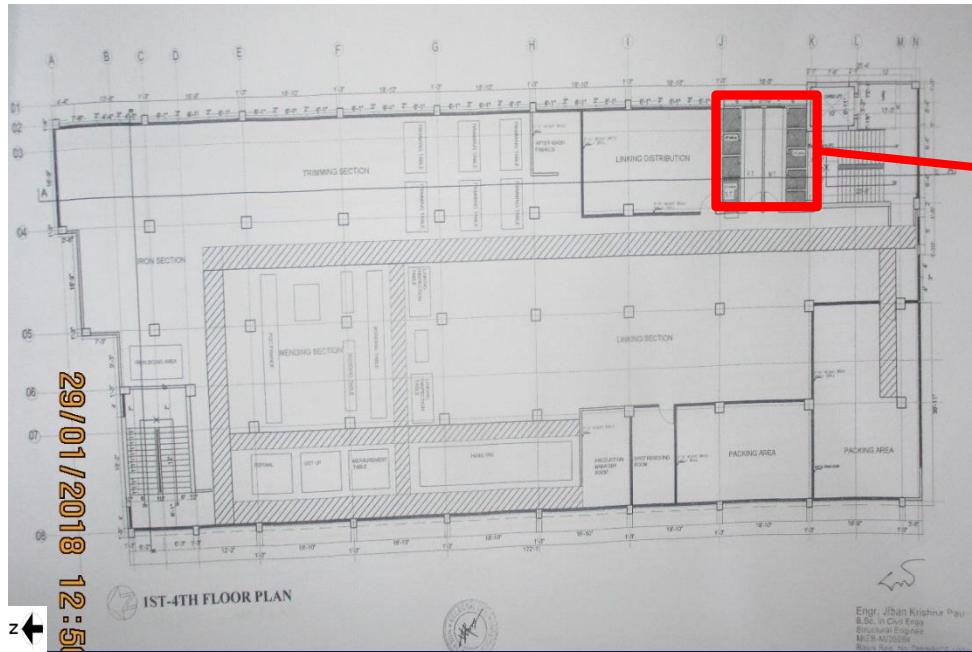




Observations



Column to be stressed above normal design limits.



Typical floor layout plan

Cursory calculation indicates that Columns appears to be stressed above normal design limits considering floor built up loads and 3kPa live loads on typical floor.

In Design report live load is considered 4 kPa (84 psf) on typical suspended floors. Building engineer is required to review the column stress and prepare allowable floor load plan.



500 mm build up area in toilet zone.



Dryer machine with build up at ground floor

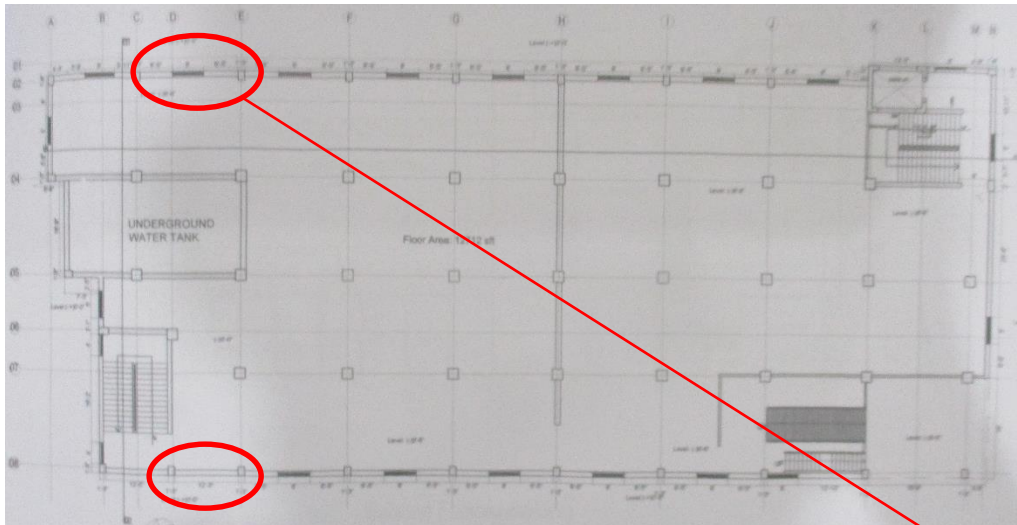


Water tank at roof



Water seeping through retaining wall

Observations



Basement layout plan

Water seeping through the retaining walls. Building engineer is required to investigate the cause of the water ingress and the check whether the retaining walls have sufficient structural capacity.



Water seeping and formation of minor cracks



Dampness on façade walls



Dampness on façade wall

Dampness observed on façade wall. Building engineer is required to find out the causes of dampness and suggest suitable repair method.



Problems Observed

- 1: Column to be stressed above normal design limits.**
- 2: Water seeping through retaining wall.**
- 3: Dampness on façade walls.**



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Column to be stressed above normal design limits	Factory Engineer to review design, loads and column stresses.	6-weeks
2	Column to be stressed above normal design limits	Verify in-situ concrete stresses considered in design report either by 100mm dia. (min. 4 no.) cores from lower tier or existing credible cylinder test report.	6-weeks
3	Column to be stressed above normal design limits	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.	6-months
4	Column to be stressed above normal design limits	Carry out remedial works where necessary.	6-months
5	Water seeping through retaining wall	Building engineer is required to investigate the reason of water seepage and prepare an investigation report with proper remedial actions.	6-weeks
6	Water seeping through retaining wall	Check the structural adequacy of the retaining walls.	6-weeks
7	Water seeping through retaining wall	Carry out remedial works where necessary	6-months
8	Dampness on façade walls	Building engineer is required to identify the reason of dampness and carry out suitable repair works.	6-weeks