



Flaxen Dress Maker Ltd-1

40, Meghdubi, Pubail, Hyderabad, Gazipur City, Gazipur
(23.944372, 90.430028)

14th November 2018





Observations

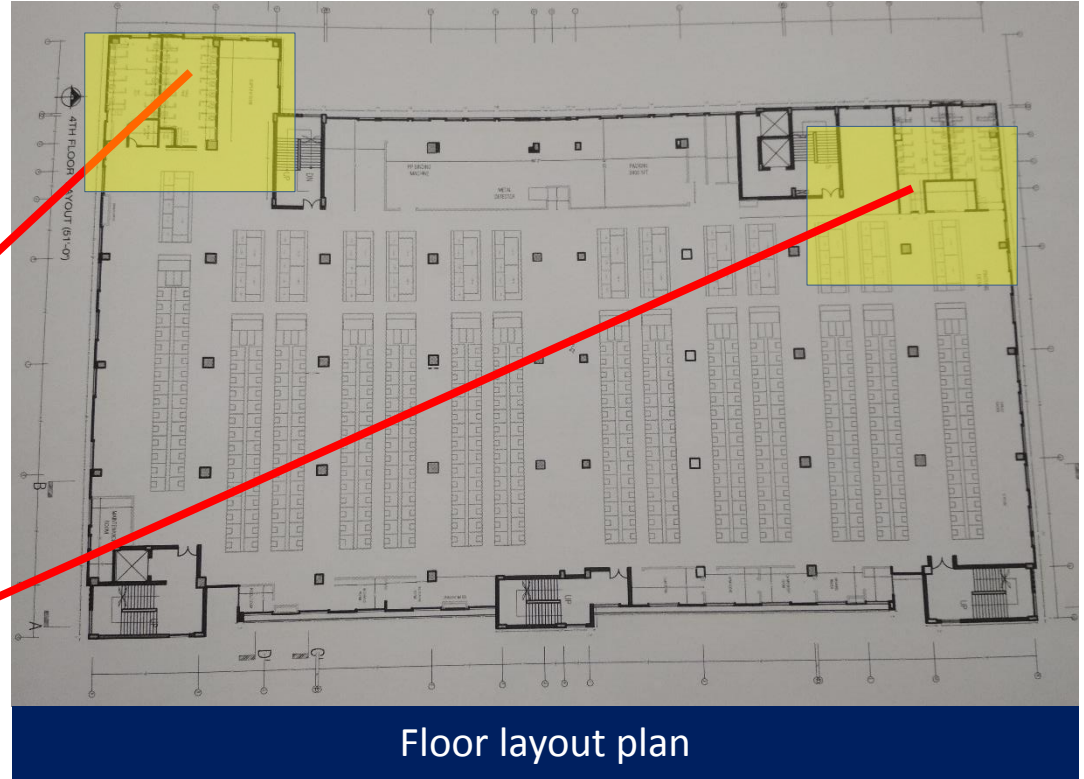


**Column to be stressed above normal
design limits**

Observation : Main Production Building




Cursory calculations indicate that few Columns under toilet area would appear to be stressed in excess of normal design limits, assuming minimum concrete strength. Building Engineer to review design, loads and columns stresses. Also, prepared load plan need to be revised based on floor, column and foundation capacity.



Floor layout plan



Apparently non engineered roof



Connection between steel members and brick walls were appeared to be inadequate. Building engineer to check the connection of the lightweight steel roofs for uplift forces.



Steel shed appeared to be non-engineered

6 **Observation: Semi Building**



Problems Observed

Factory Building:

01: Column to be stressed above normal design limits.

Semi Building:

02: Apparently non engineered roof .



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Column to be stressed above normal design limits	Factory Engineer to review design, loads, columns stresses.	6-weeks
2	Column to be stressed above normal design limits	Verify in-situ concrete strength and aggregate type by taken min. 4 nos. 100mm dia. core samples from lower tier of the building.	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, column and foundation capacity.	6-weeks
4	Column to be stressed above normal design limits	Carry out remedial works resulting from engineering assessment if necessary.	6-months
5	Column to be stressed above normal design limits	Continue to implement loading plan.	6-months
6	Apparently non engineered roof	Prepare an “as constructed” drawings which reflect the actual site dimensions with complete structural information.	6-weeks
7	Apparently non engineered roof	Building engineer to check the connection of the lightweight steel roofs for uplift forces.	6-weeks
8	Apparently non engineered roof	Carry out remedial works resulting from engineering assessment if necessary.	6-months