



Network Apparels Ltd. (Extended Building)

228/3, Shahid Rawshan Sharak, Chandana, Gazipur-1702

Co-ordinates: 23.977704N, 90.389245E

4th August 2019

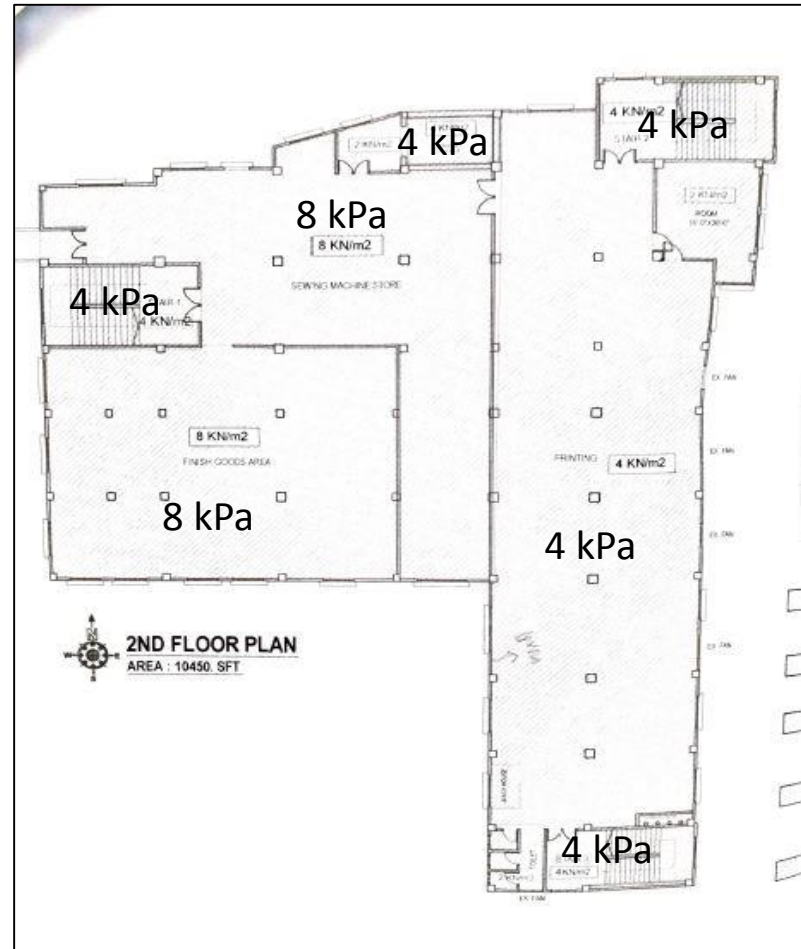
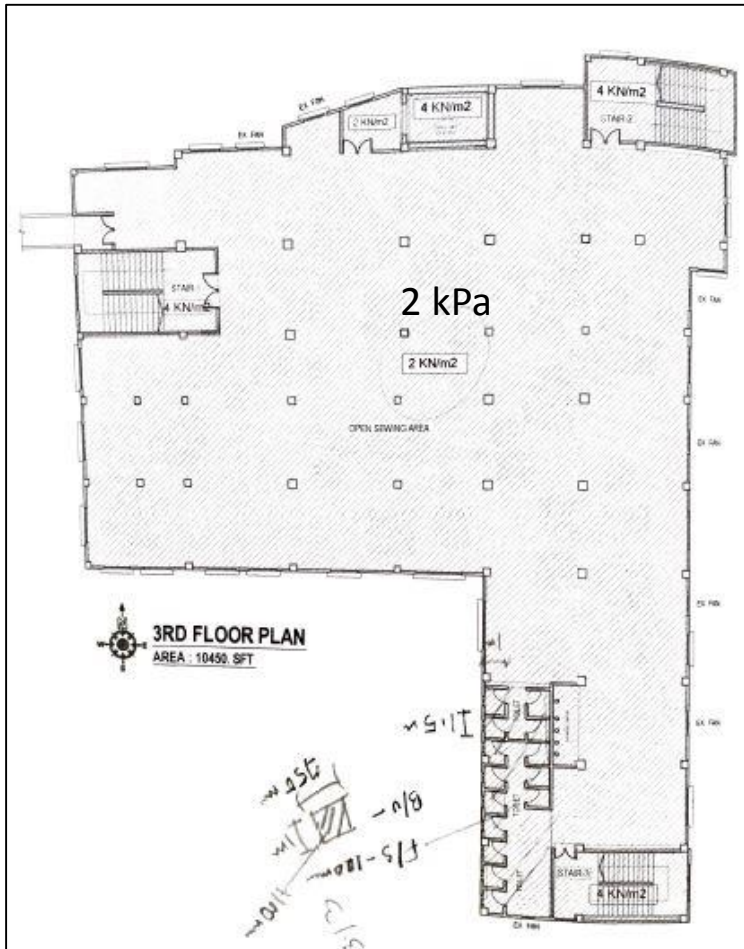




Observations

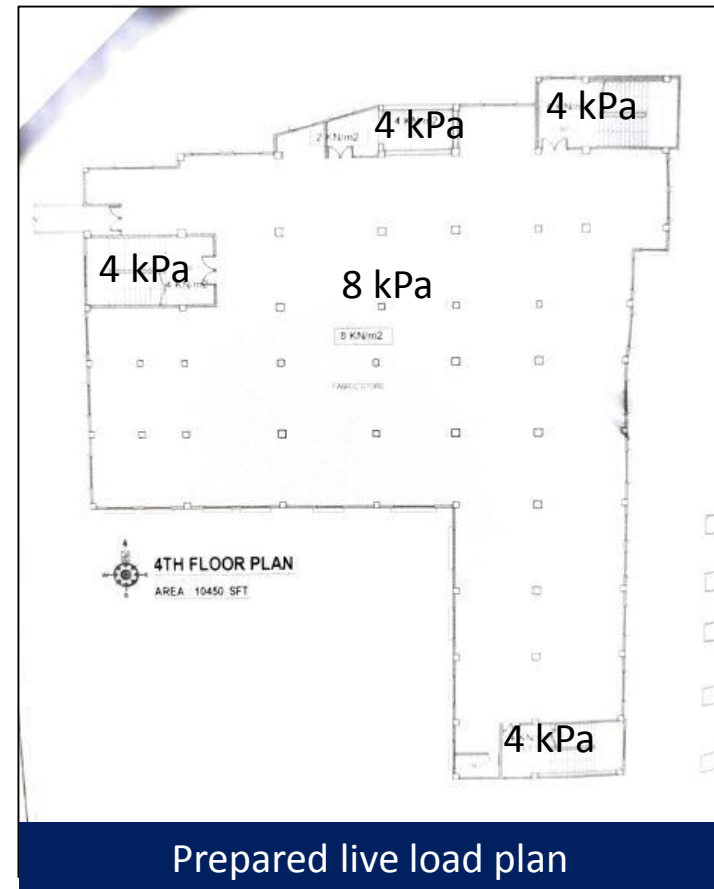
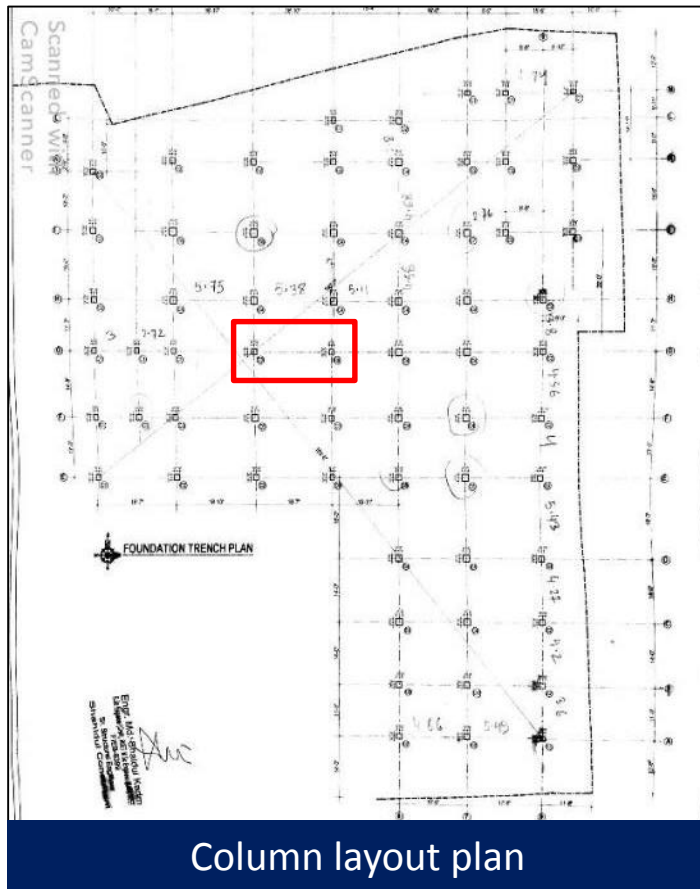


Internal columns are stressed above normal design limit considering prepared load plan



Prepared live load plan

Observation



The prepared load plan indicates 2~4 kPa live load on general floor and 8 kPa on storage (2nd , 4th & 5th floor). Cursory calculation indicates the marked internal columns are stressed above normal design limit considering prepared live load plan. Building engineer is required to produce allowable load plan according to BNBC.

Observation



Apparently non engineered roof



- Apparently inadequate roof framing.
 - Poor connection details.
- Building engineer is required to check the connection and member adequacy against the uplift forces.



Poor connection details



Steel frame rest on masonry wall without adequately anchored.

Observation



Priority Action



Problem Observed

1. Internal columns are stressed above normal design limit considering prepared load plan.
2. Apparently non engineered roof.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Internal columns are stressed above normal design limit considering prepared load plan	Maintain loading below 3 kPa until further review.	6-weeks
2	Internal columns are stressed above normal design limit considering prepared load plan	Factory Engineer to review design, loads and columns stresses in area identified above.	6-weeks
3	Internal columns are stressed above normal design limit considering prepared load plan	Verify in situ concrete stresses either by 100mm dia. Cores(Min. 4 nos) or existing cylinder strength data.	6-weeks
4	Internal columns are stressed above normal design limit considering prepared load plan	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity. Also comply the loading according to BNBC.	6-weeks
5	Internal columns are stressed above normal design limit considering prepared load plan	Carry out remedial works arise from Engineering Assessment where necessary.	6-months
6	Apparently non engineered roof	Building engineer is required to check the connection and member adequacy against the uplift forces.	6-weeks
7	Apparently non engineered roof	Carry out any repair work according to suggestion of building engineer or make any alteration works suggest by building engineer.	6-months