



Fin Bangla Apparels Ltd.

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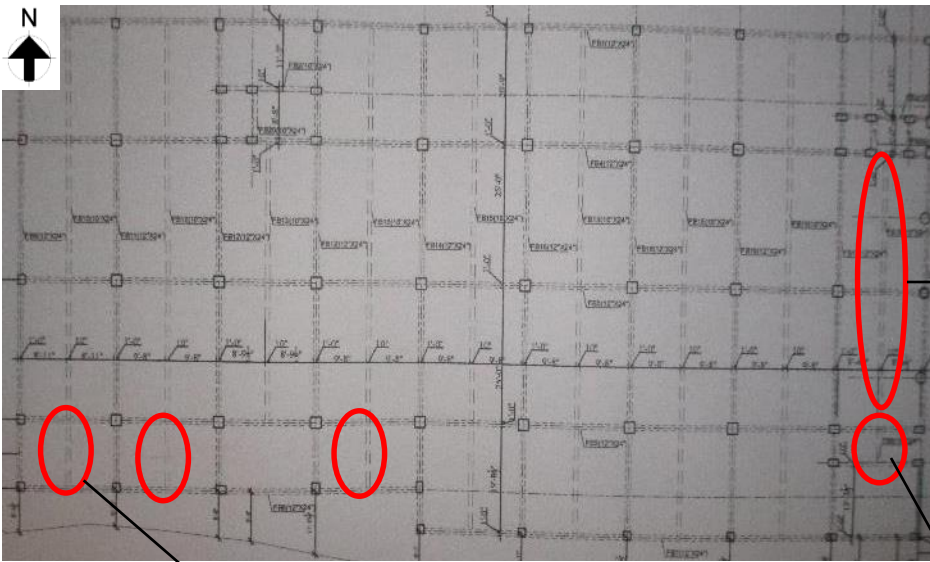




Observations



Discrepancies between provided drawing and on site condition of Main building



Ground floor roof beam layout in provided drawing



Secondary beam was not observed on east side loading/unloading area

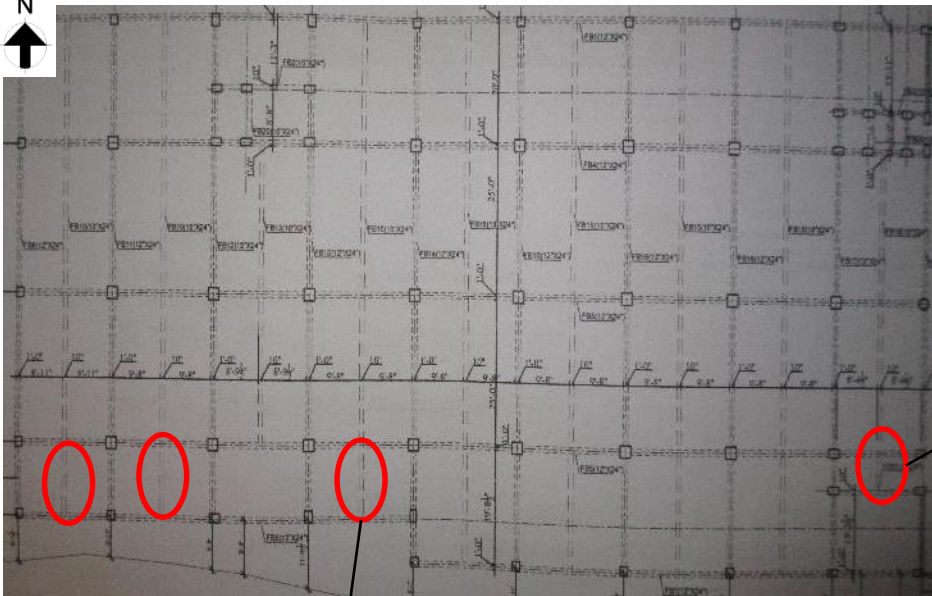


Secondary beam was not observed on south-west side in storage area



Secondary beam was not observed on east side toilet area

Observations:



Typical floor beam layout in provided drawing



Secondary beam was not observed on east side toilet area on 1st to 3rd floor



Secondary beam was not observed on south-west side on 1st to 3rd floor

Building Engineer required to prepare As –Built drawings reflecting the actual condition.

Observations:



Lack of as-built documentation (Five buildings except Main Building)



Utility Building



Dining & Wastage building



Boiler building



Fire Control Building



Security guard building

Factory could not provide any structural drawing for above these buildings. Building Engineer is required to produce a full set of as built drawing reflecting on site condition for those buildings.

Observations:



Corrosion on roof top exposed reinforcement of Main building



During inspection, corrosion was observed on almost all exposed reinforcement of column on roof top

Observations:



Excessive column stresses in fully completed Main building (8-storeys)



Exposed reinforcement on roof top and building permission for 8-storey was indicate further extension of the building. For any future extension may cause a significant increase in column loads. Details Engineering Assessment would required to be carryout before construction of additional floor above 4 storey.

Observations:



Problems Observed

Item 1: Discrepancies between provided drawing and on site condition of Main building

Item 2: Lack of as-built documentation(Five Buildings)

Item 3: Corrosion on roof top exposed reinforcement of Main building

Item 4: Excessive column stresses in fully completed Main building (8-storeys)



Priority Actions



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Discrepancies between provided drawing and on site condition of Main building	Building Engineer required to prepare As –Built drawings reflecting the actual condition.	6-weeks
2	Lack of as-built documentation (Five Buildings)	Factory engineer is required to survey and produce accurate as-built drawing as per actual condition.	6-weeks
3	Corrosion on roof top exposed reinforcement of Main building	Building Engineer is required to investigate the extent of corrosion and suggest necessary repairing action.	6-weeks
4	Corrosion on roof top exposed reinforcement of Main building	Implement repairing works as per engineer’s advice.	6-months
5	Excessive column stresses in fully completed Main building (8-storeys)	In case of any extensions or modifications of the existing building needs to be carryout Details Engineering Assessment by a Structural Engineer and in full compliance with the BNBC provision.	6-months



Item 2 and actions

Lack of as-built documentation (Five Buildings)

Priority 1

(Immediate - Now)

- None Required

Priority 2

(within 6-weeks)

- Factory engineer is required to survey and produce accurate as-built drawing as per actual condition.

Priority 3

(within 6-months)

- None Required



Item 3 and actions

Corrosion on roof top exposed reinforcement of Main building

Priority 1

(Immediate - Now)

- None Required

Priority 2

(within 6-weeks)

- Building Engineer is required to investigate the extent of corrosion and suggest necessary repairing action.

Priority 3

(within 6-months)

- Implement repairing works as per engineer's advice.



Item 4 and Actions

Excessive column stresses in fully completed Main building (8-storeys)

Priority 1

(Immediate - Now)

- None Required

Priority 2

(within 6-weeks)

- None Required

Priority 3

(within 6-months)

- In case of any extensions or modifications of the existing building needs to be carryout Details Engineering Assessment by a Structural Engineer and in full compliance with the BNBC provision.