

Workfield Knitwears

Bawpara, Kaultia, Gazipur Sadar, Gazipur

(24.070016N, 90.375171E)

15th May, 2016

Client Summary Report



Observations

Capacity of columns to support the 9 storey building indicated on structural drawings



Side (north) Elevation

Section of the Building

Structural Framing System



Preliminary calculations indicate that working stress would exceed normal acceptable levels in columns if the building was extended to the permitted 9 storeys. Cursory calculations carried out on structure for a fully complete 9 storey building. Estimates on configuration of structure, finishes and live loading based on building engineer's declaration and current conditions. Cursory calculations indicate that columns appeared to be stressed beyond code recommendations for full construction of 9 storeys.

Missing edge protection on roof and west side stair case



Missing edge protection on roof



Missing edge protection on west side stair case

Water ponding on 4th floor toilet area of factory building and on roof of pump house



4th Floor Toilet Area- Factory Building



Roof- Utility Building



Roof- Pump House

Priority Actions

Problems Observed

1. Capacity of columns to support the 9 storey building indicated on structural drawings
2. Missing edge protection on roof and west side stair case.
3. Damage Water ponding on 4th floor toilet area of factory building and on roof of pump house.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Capacity of columns to support the 9 storey building indicated on structural drawings	Building Engineer to provide calculations showing the structural adequacy of all columns, based on 9 storey structure prior to further construction	6-Months
2	Capacity of columns to support the 9 storey building indicated on structural drawings	Produce loading plans for all floorplates within structure.	6-Months
3	Capacity of columns to support the 9 storey building indicated on structural drawings	Implement and continue to apply loading plans.	6-Months
4	Missing edge protection on roof and west side stair case.	Provide necessary edge protections	6-Months
5	Water ponding on 4th floor toilet area of factory building and on roof of pump house.	Drain out standing water from 4th floor toilet area	6-Weeks
6	Water ponding on 4th floor toilet area of factory building and on roof of pump house.	Provide proper drainage system to roof of all the buildings.	6-Months
7	Water ponding on 4th floor toilet area of factory building and on roof of pump house.	Apply necessary water proofing layer on roof if construction of the upper floors are not to be commenced recently	6-Months