

Fuji Knitwears Ltd.

Hossain Ahmed Road Opposite Police Line , Fatullah
(23.633595, 90.482869)

12th March 2017





Observations

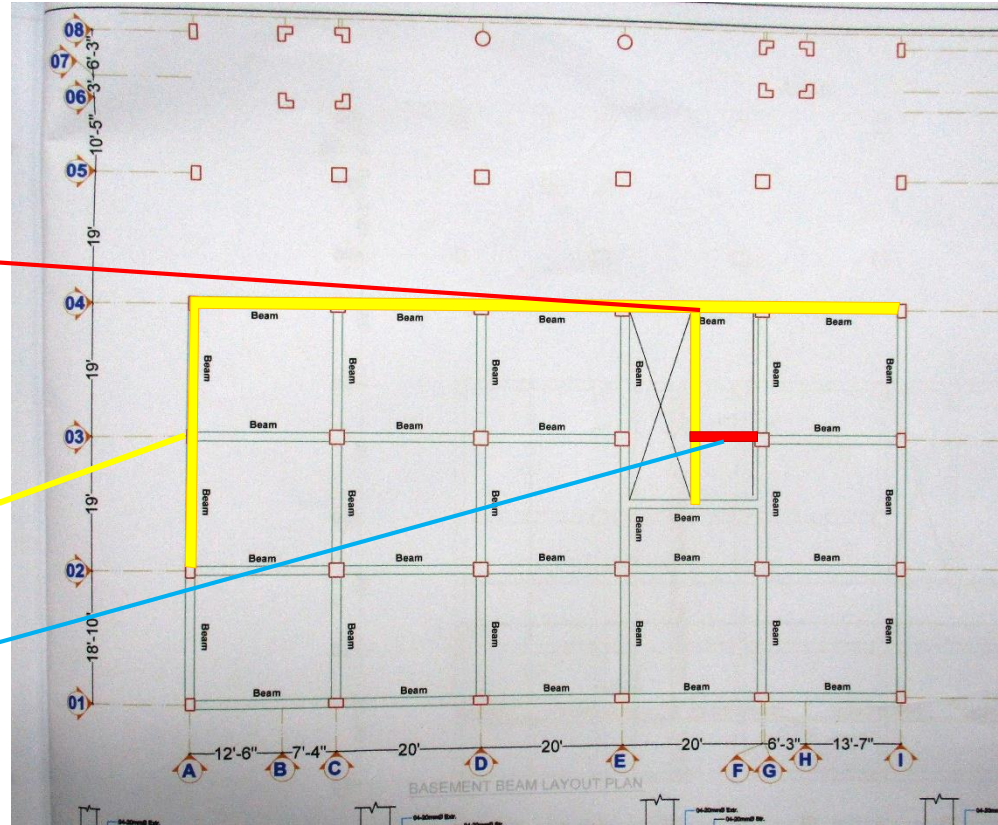


Discrepancies between provided drawings and on site condition

Observations: Factory Building



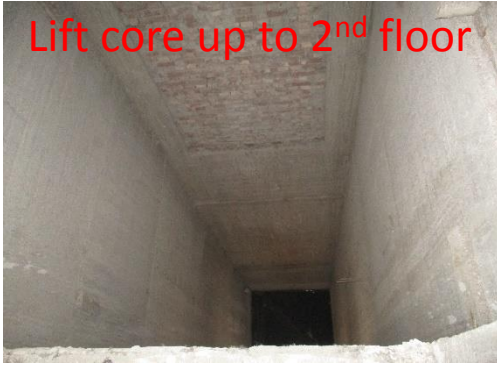
Beam layout for basement wasn't matched with site condition. On grid-03 floor beam was found continuous and rest on brick wall shown as red mark on drawing. Floor beams were missing at Ground floor level marked as yellow in layout drawing.



Beam Layout of Basement



Lift core up to 2nd floor

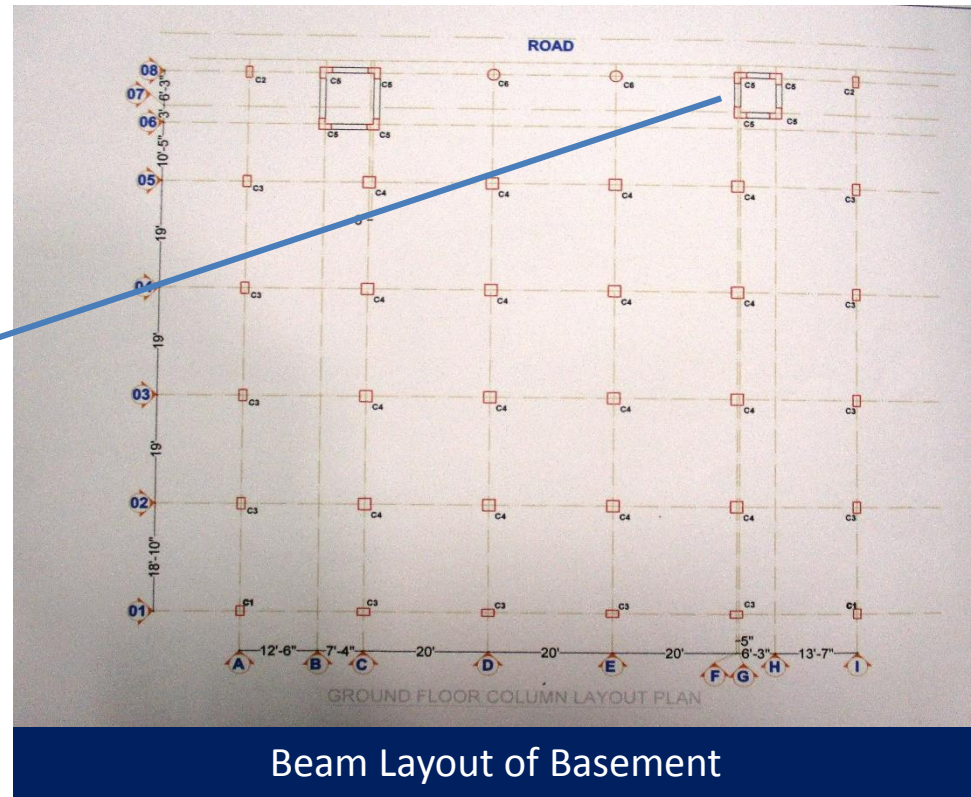
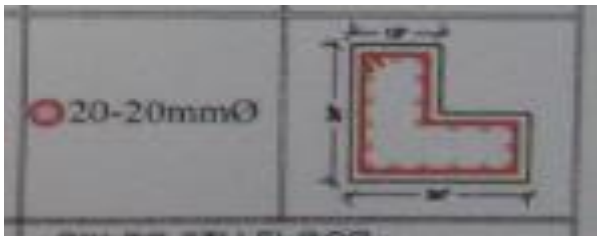


Lift core up to 1st floor



RC walls were observed at three side up to 1st floor and two side up to 2nd floor at lift core.
No detail drawings were found for lift core walls and retaining walls.

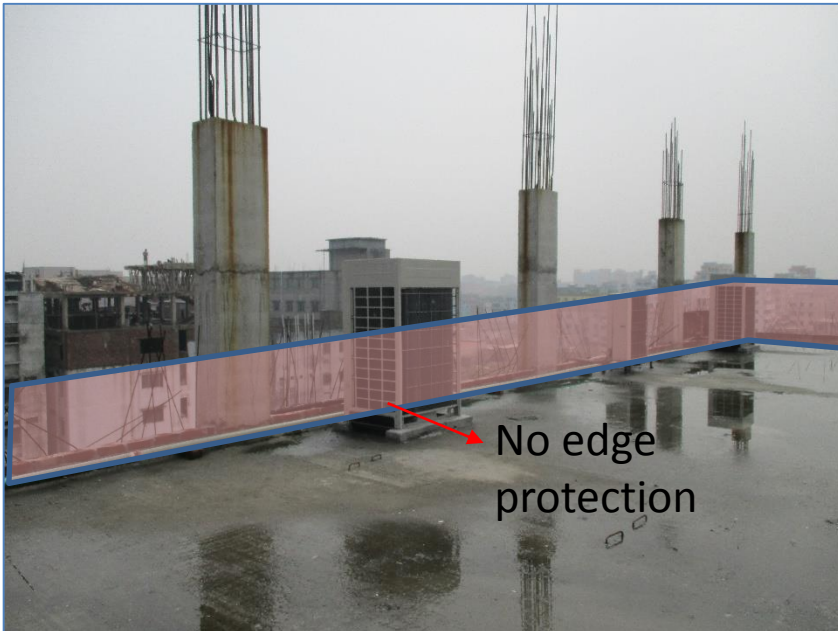
Number of rebar wasn't matched between drawings and site condition. On site 16 nos of vertical rebars were observed instead of 20 nos of vertical rebar at Lift core column (C-6 type).





Falling hazards and exposed rebar at the roof.

Observation : Factory Building



No edge protection

No parapet wall



Exposed rebar on roof

Falling hazards due to unprotected edge of under construction building and extended rebar was exposed.

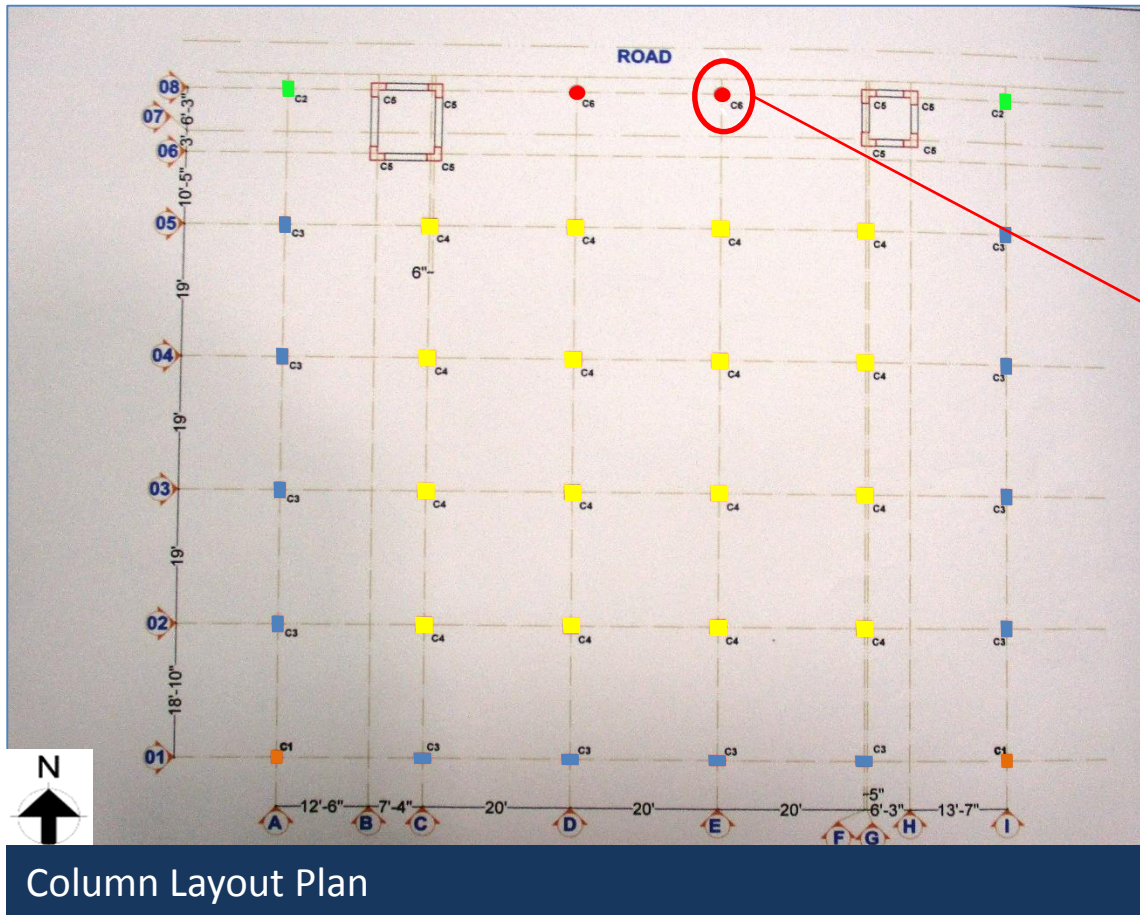
Factory engineer to provide proper edge protection system and all exposed reinforcement must have adequate protection from the corrosion.

Observation : Factory Building



Columns suspected to vehicle impact

Observations: Factory Building



Impact protection not provided to columns at loading –unloading area. Columns were suspected to have impact loading from vehicles.

Structural System – Factory Building



Problems Observed

Factory Building:

Item-1: Discrepancies between provided drawings and on site condition.

Item-2: Falling hazards and exposed rebar at the roof.

Item-3: Columns suspected to vehicle impact.



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Discrepancies between provided drawings and on site condition	Building Engineer is required to survey the as-built structure and prepare the accurate as-built drawings.	6-weeks
2	Falling hazards and exposed rebar at the roof	Secure constructed area from any possible falling hazard.	Immediate - Now
3	Falling hazards and exposed rebar at the roof	All exposed reinforcement is required to protect from corrosion which may cause degradation of the concrete.	6-weeks
4	Columns suspected to vehicle impact	Install a barrier to prevent vehicle impact in column.	6-weeks