



Dekko Designs Ltd. (New Building)

Purba Naroshinapur, Ashulia, Savar, Dhaka
(23.927480N, 90.304272E)
25th August 2016



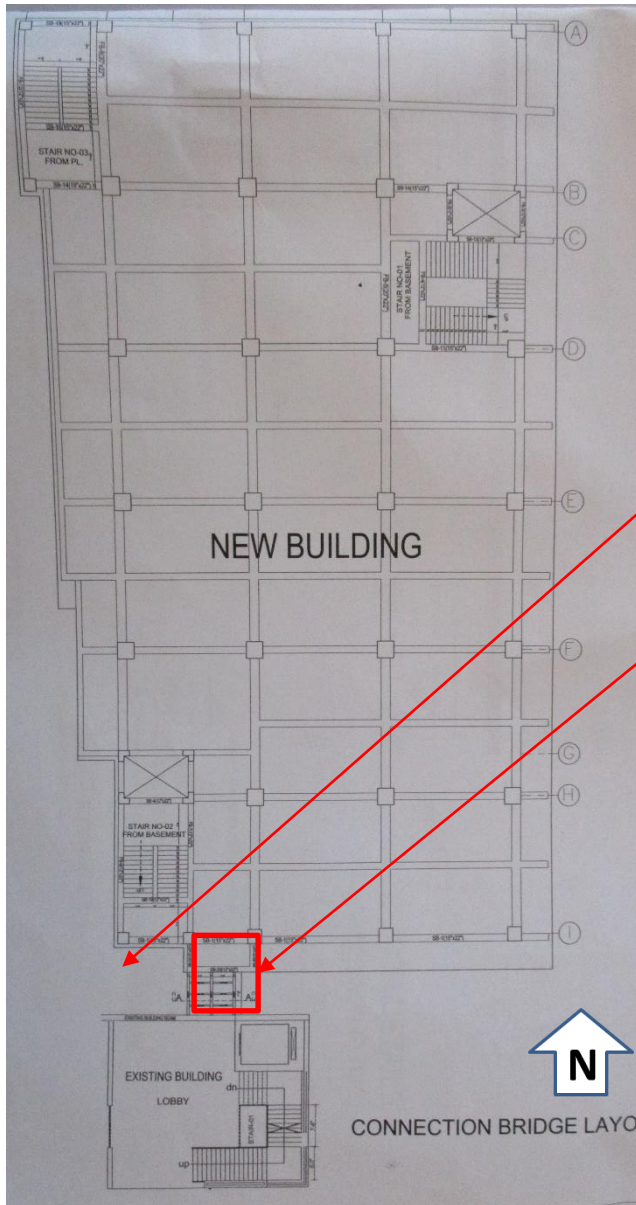


Observations



Discrepancies in Architectural and Structural drawing

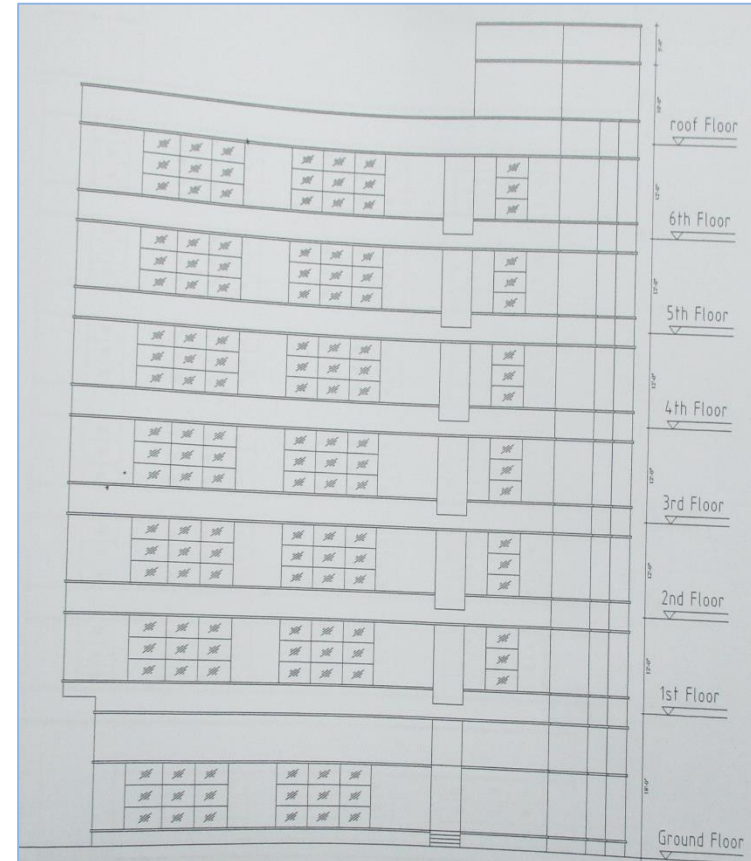
Observations



Connecting bridge location having mismatch between drawing and site condition

Actual bridge position

According to drawing bridge position



SOUTH SIDE ELEVATION

SCALE 1:100

Roof plan missing and North-South elevation doesn't reflect as built condition.

Observations- Discrepancies in Architectural and Structural drawing



Damage to underside of beams and visible reinforcement at locations of cast-in electrical conduits

Observations



A number of beams throughout the building have significant penetrations/damage close to the beam-column connection. Apparently this will impact upon the shear and moment capacity of these joints. The Building Engineer requires to review these connections.

Observations- Damage to underside of beams and visible reinforcement at locations of cast-in electrical conduits



Lack of protection on around lift core

Observations



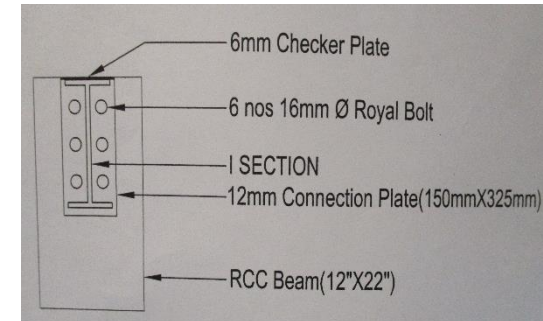
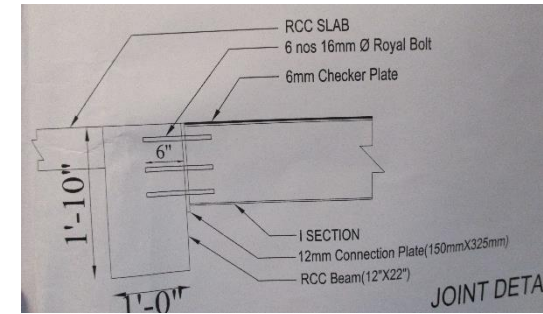
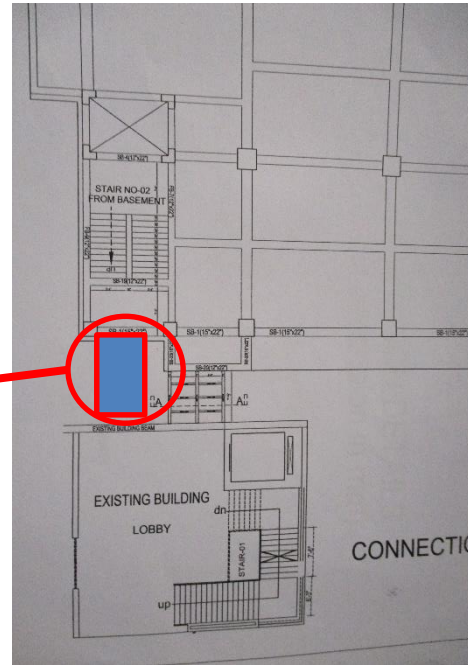
Lack of edge protection around the lift core near stair areas to caused falling hazards.

Observations- Lack of protection on around lift core



**Connecting bridge joint between two buildings having
inadequate seismic provision**

Observations



According to connection details of connecting bridges between two building have partial moment connection. It may cause lateral loading transformation between two building under Seismic loading.

Observations- Connecting bridge joint between two buildings having questionable seismic provision.



No loading plan in place

Observations



No loading plan in place on the upper floors to insure full compliance with specified design loads.

Observations- No loading plan in place



Problems Observed

ITEM1: Discrepancies in Architectural and Structural drawing

ITEM2: Damage to underside of beams and visible reinforcement at locations of cast-in electrical conduits

ITEM3: Lack of protection on around lift core.

ITEM4: Connecting bridge joint between two buildings having questionable seismic provision.

ITEM 5: No loading plan in place.



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Discrepancies in Architectural and Structural drawing	Engage a Building Engineer to survey the structure and update a full set of “as-constructed” drawings for Structural and Architectural.	6-weeks
2	Damage to underside of beams and visible reinforcement at locations of cast-in electrical conduits.	Building Engineer to carry out survey to identify locations where structural capacity of reinforced concrete beams has been reduced by penetrations or electrical conduit installation.	6-weeks
3	Damage to underside of beams and visible reinforcement at locations of cast-in electrical conduits.	Building Engineer to carry out design calculations to verify the adequacy of the structure and to prepare a schedule of remedial works to reinstate the areas affected by the electrical installation.	6-months
4	Lack of protection on around lift core.	Provide protection to ensure safe working passage.	Immediate - Now



Item No.	Observation	Recommended Action Plan	Recommended Timeline
5	Connecting bridge joint between two buildings having questionable seismic provision.	Building engineer to verify the joint connections of connecting bridges to comply the seismic provision and update the structural drawings and connection details of connecting bridge.	6-weeks
6	Connecting bridge joint between two buildings having questionable seismic provision.	Carry out remedial works arise from assessment if any	6-months
7	No loading plan in place	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.	6-weeks
8	No loading plan in place	Continue to implement load plan	6-months