

Intex Link Garments (BD) Limited

Plot No. A 54-55, BSCIC Industrial Estate, Kalurghat(Extn), Chittagong
(22.380857 N, 91.864550 E)

29th November 2015



Observations

**Extension to Lift Machine Room roof slab
not shown on drawings and supported by
unrestrained brickwork**

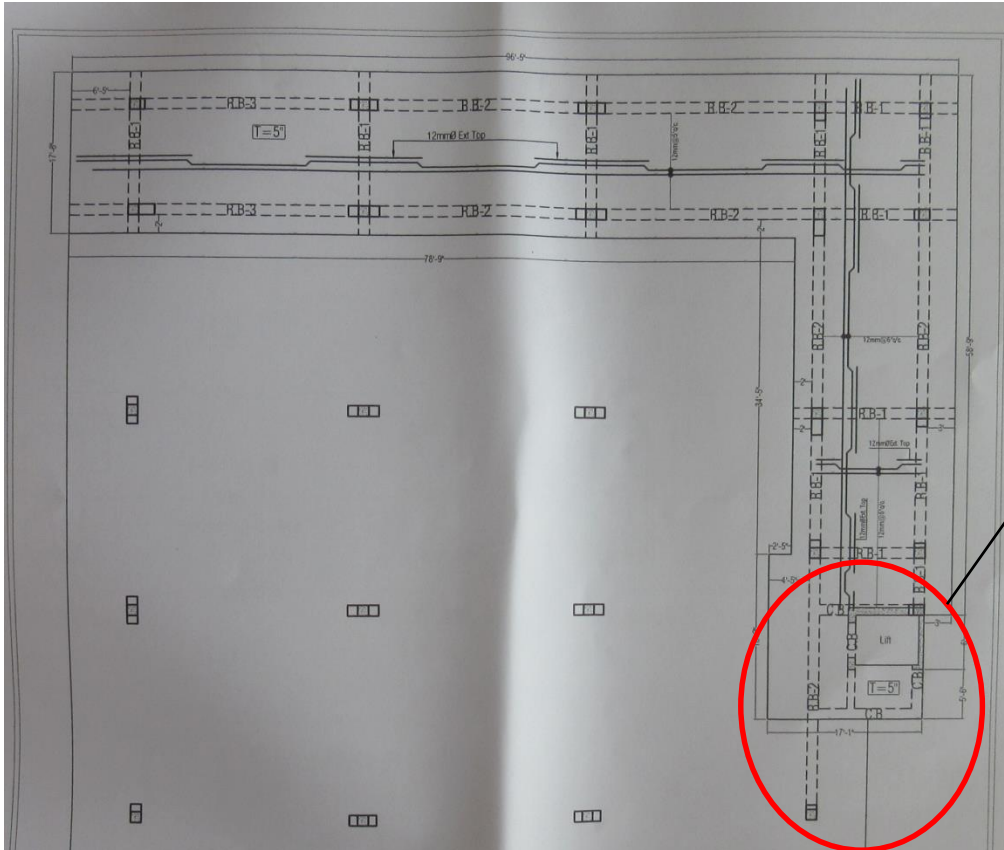


4.28m high brick piers

2.4m high brick wall

An extension to the Lift Machine Room slab supported on one side by two 4.28m high brick piers, partially restrained by a 2.4m high brick wall. No obvious lateral restraint to brick panel on NE edge of main roof slab

Observations – Building 1



The extended portion of lift machine room top slab is not shown on drawings

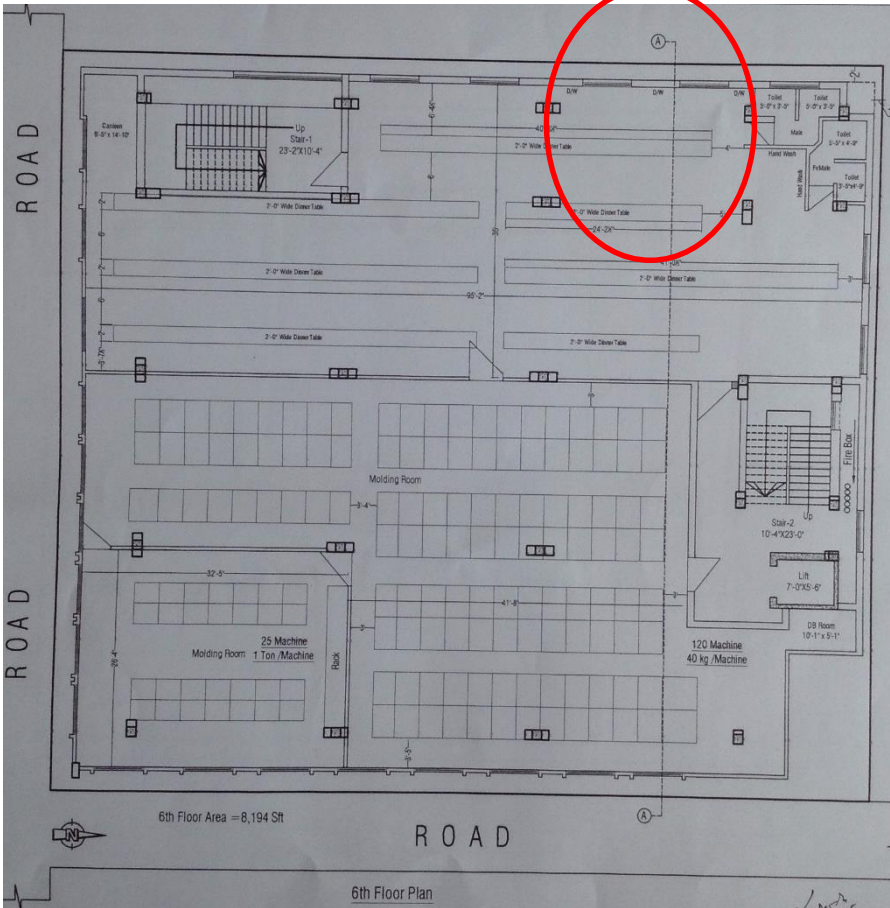
Observations – Building 1

Brick stub columns under the water reservoir bearing on main slab



Brick stub columns under over head water reservoir
1 row of 3 stub columns/span under reservoir support walls; 3 rows/span under reservoir floor slab

High loading in Storage area 5th Floor



Factory Inspectorate layout drawing shows storage over full floor area of 5th Floor. Structural drawings indicate design load of 60psf for all floors. Floor-to-floor height at this level of 4.5m to accommodate racks



3-level storage racks observed over full floor area 5th Floor. Estimated loading for area fully packed (boxed lower level, material rolls upper level) approximately 120psf No storage observed on 3rd (top) rack level; management told us that this level would not be used for storage

Observations – Building 1

Discrepancies between drawings and lack of structural drawings for Building 2

Priority Actions

Problems Observed

- ITEM 1:** Extension to Lift Machine Room roof slab not shown on drawings and supported by unrestrained brickwork
- ITEM 2:** Brick stub columns under the water reservoir bearing on main slab
- ITEM 3:** High loading in Storage area 5th Floor
- ITEM 4:** Discrepancies between drawings and lack of structural drawings for Building 2

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Extension to Lift Machine Room roof slab not shown on drawings and supported by unrestrained brickwork	Building Engineer to assess whether lateral restraint has been provided to the brick panel in the NE corner of the roof slab	6-weeks
2	Extension to Lift Machine Room roof slab not shown on drawings and supported by unrestrained brickwork	Provide lateral restraint to brick panel if necessary	6-months
3	Extension to Lift Machine Room roof slab not shown on drawings and supported by unrestrained brickwork	Revise drawings to show extension of LMR roof slab and supporting structure	6-months
4	Brick stub columns under the water reservoir bearing on main slab	Building Engineer to assess loading on the roof slab from brick stub columns under the water reservoir, and the capacity of the beams and slabs to resist that loading	6-weeks
5	Brick stub columns under the water reservoir bearing on main slab	Adjust loading by removing stub columns or strengthen the beam and slab structure if necessary to accommodate anticipated loading	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
6	High loading in Storage area 5th Floor	Building Engineer to assess loading on the 5th Floor slab and the capacity of the floor structure to accommodate that loading	6-weeks
7	High loading in Storage area 5th Floor	Provide Load Plan indicating the maximum storage load that can be accommodated by the 5th Floor structure	6-months
8	High loading in Storage area 5th Floor	Adjust racking system if necessary to avoid overloading	6-months
9	High loading in Storage area 5th Floor	Post notices on 5th Floor indicating maximum storage height or loads	6-months
10	Discrepancies between drawings and lack of structural drawings for Building 2	Provide as-built drawings that reflect the actual architectural and structural layouts and sections	6-months
11	Discrepancies between drawings and lack of structural drawings for Building 2	Provide structural drawings for Building 2	6-months