

Ehsan Garments Moonlight Garments Ltd

Kuniapachar, Targach, Gazipur, Dhaka
(+23.928808N, 90.389160E)

25 September 2013



Updates to Structural Drawings Required



Local column spacing on structural drawings does not match the as constructed condition

5th & 6th floors are of flat slab construction. Other floor are beam & slab.

Building Engineer to review implications of deviations from structural drawings.

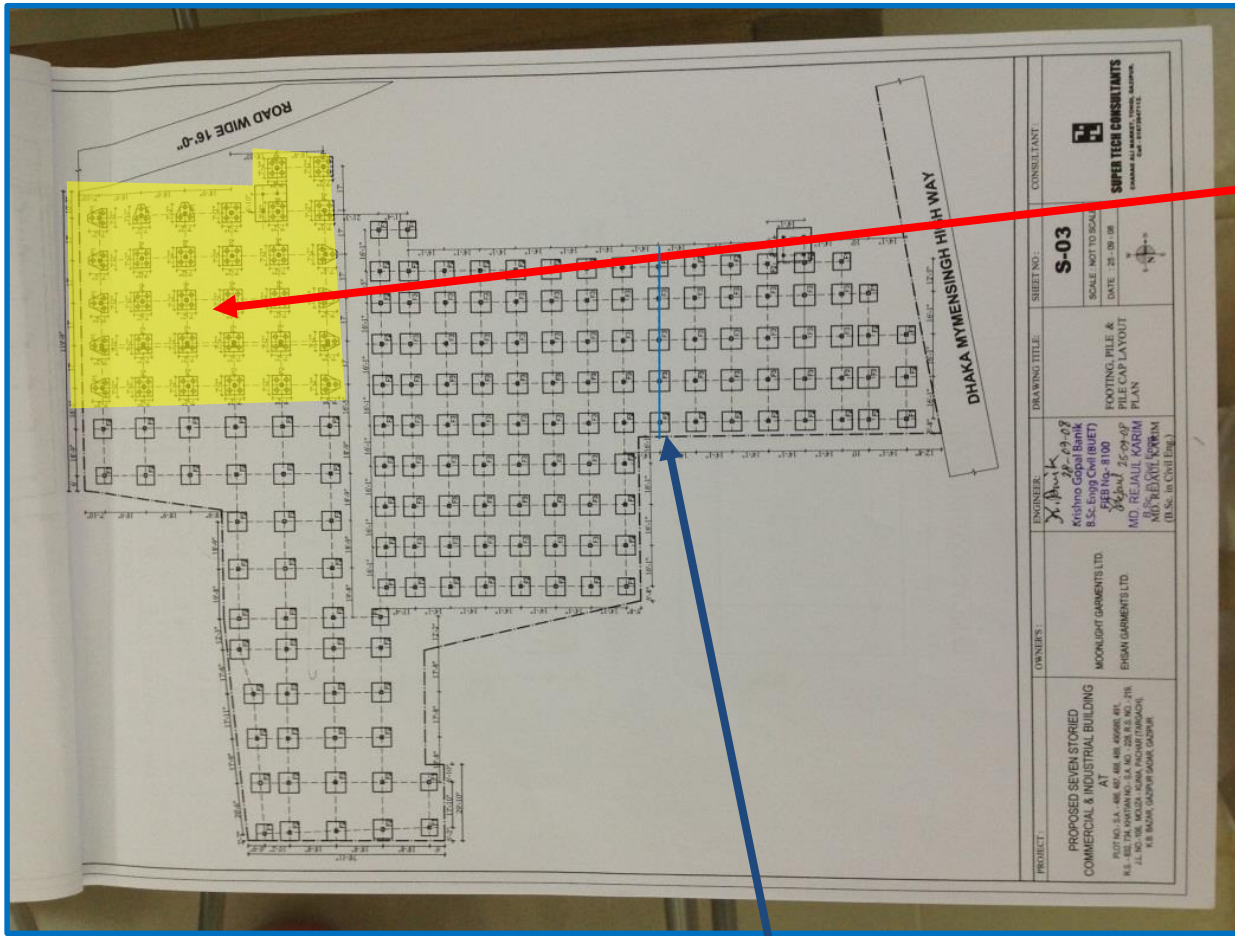
Updates Required to Structural Drawings to reflect as-constructed structure



Building Engineer to review flat slab design and advise allowable floor loading.

Updates Required to Structural Drawings to reflect as-constructed structure

Collate Ground Investigation Information



Ground Investigation report dated 2012 available for this area-recommends piling.

No Ground Investigation information available for remainder of site.

Approx location of building movement joint

Collate Ground Investigation Information



Relative movement at floor slab movement joint within the East Factory.

Collate Ground Investigation Information

Priority Actions

Problems Observed

1. Structural drawings provided do not match the as-constructed column spacing in the southern section of the east and west blocks. Floor slab construction is generally beam and slab, but the 5th and 6th level floor slabs are of flat slab construction. This does not correspond with the structural drawings.
2. A complete geotechnical report covering both buildings was not available. The report which was provided is dated 2012. This indicates that piled foundations are the preferred foundation solution. Based on the construction drawings the northern section of the west block is piled and the remaining areas of both buildings are supported on pad foundations.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Record structural drawings do not match the as-constructed structure in terms of column spacing and the use of flat slab construction.	Record structural drawings to be updated to match the as-constructed structure.	6-months
2	Record structural drawings do not match the as-constructed structure in terms of column spacing and the use of flat slab construction.	Building Engineer to verify the adequacy of the structural changes from the original design including the flat slab floor.	6-months
3	Record structural drawings do not match the as-constructed structure in terms of column spacing and the use of flat slab construction.	Building Engineer to provide floor loading plans for the as-built structure.	6-months
4	A Geotechnical Investigation report is available only for a limited area of the west factory. Building Engineer to confirm that foundation types correspond with the recommendations for the remained of the two factory buildings.	Building Engineer to confirm that the foundation types used in the design and construction, including the allowable bearing pressure, are based on previous ground investigations.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
5	A Geotechnical Investigation report is available only for a limited area of the west factory. Building Engineer to confirm that foundation types correspond with the recommendations for the remained of the two factory buildings.	Building Engineer to monitor movement at building movement joints within both the east and west factory and ensure that cover plates are provided on walkways crossing these joints.	6-months