

Square Fashion Ltd. #10266

Chandra, Basan Union, Gazipur

(+23.979996N, 90.384536E)

03.MAY.2014



Identified Priority 1 Concerns

1st Priority 1 Concern



A 15" raised platform was discovered on the 1st floor, which is not shown on the structural drawings.

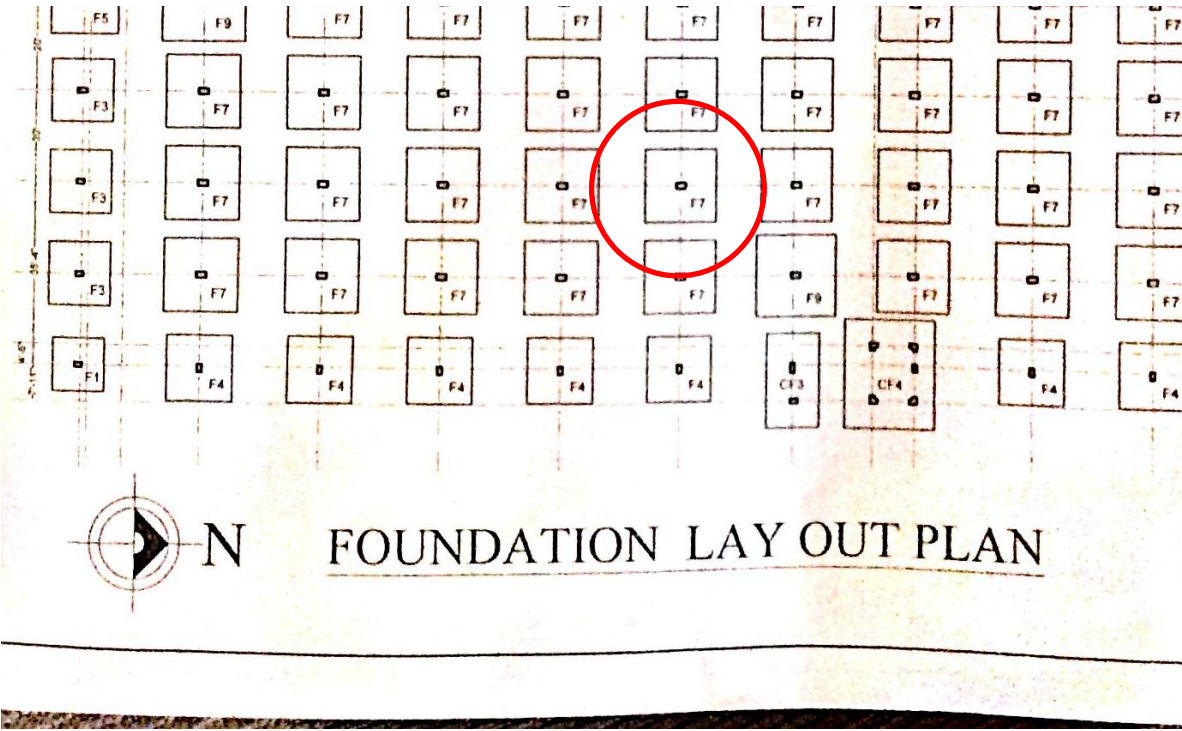
The raised platform is comprised of brick walls, sand infill, 4" concrete slab, screed and tile.

2nd Priority 1 Concern



A steel roof on the 6th floor slab is not shown on the structural drawings, nor is it accounted for in the loading plans provided

3rd Priority 1 Concern



No footing dimensions were found on structural drawings.

Scanned reinforcing steel in column did not match structural drawings.

C6	27"x17"	25"x15"	16-25 ϕ 	12-25 ϕ 	4-25 ϕ + 8-20 ϕ
C7	27"x17"	25"x15"	18-25 ϕ 3 	14-25 ϕ 	4-25 ϕ + 8-20 ϕ
C8	27"x17"	25"x15"	22-25 ϕ 	16-25 ϕ 	17-25 ϕ

Overall Stability System



The building did not feature any core or shear walls. Stability was achieved through sway action between beams and columns and masonry infill walls.

We require that these items be investigated in a Detail Engineering Assessment

Water Ingress at Roof Level



No waterproofing membrane was visible on the roof of the building. This means that any cracks in the surface finishes on the roof will allow water to seep into the concrete slab beneath the finishes, and cause long-term soaking of the slab.

Priority Actions

Problems Observed Summary

- ITEM 1:** (Priority 1) A 15” raised platform was discovered on the 1st floor, which is not shown on the structural drawings, nor is it accounted for in the loading plans provided.
- ITEM 2:** (Priority 1) A steel roof on the 6th floor slab is not shown on the structural drawings , nor is it accounted for in the loading plans provided.
- ITEM 3:** (Priority 1) No footing dimensions were found on structural drawings, and column reinforcing did not match structural drawings.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	A 15” raised platform was discovered on the 1st floor, which is not shown on the structural drawings, nor is it accounted for in the loading plans provided.	Remove raised platform in its entirety.	Immediate – Now
2	A steel roof on the 6th floor slab is not shown on the structural drawings, nor is it accounted for in the loading plans provided.	Review as built conditions on roof slab and update structural drawings.	Immediate – Now
3	A steel roof on the 6th floor slab is not shown on the structural drawings, nor is it accounted for in the loading plans provided.	Review permissible loading with design and engineer and produce approved loading plans. Display & manage loading plans on all floors	6-weeks
4	No footing dimensions were found on structural drawings, and column reinforcing did not match structural drawings.	Review as built conditions on and update structural drawings.	Immediate – Now
5	No footing dimensions were found on structural drawings, and column reinforcing did not match structural drawings.	Review soils report recommendations to ensure footing size is adequate. Review column reinforcement to ensure adequate load bearing capacity.	6-weeks