

Liz Fashion Industry Ltd. (#9640)

Zamirdia (Steel Store), P.S. –Bhaluka, Mymensingh

(+24.308559N, 90.382225E)

14.MAY.2014



Identified Priority 1 Concerns

(none)

Identified Priority 2 Concerns

1st Priority 2 Concern

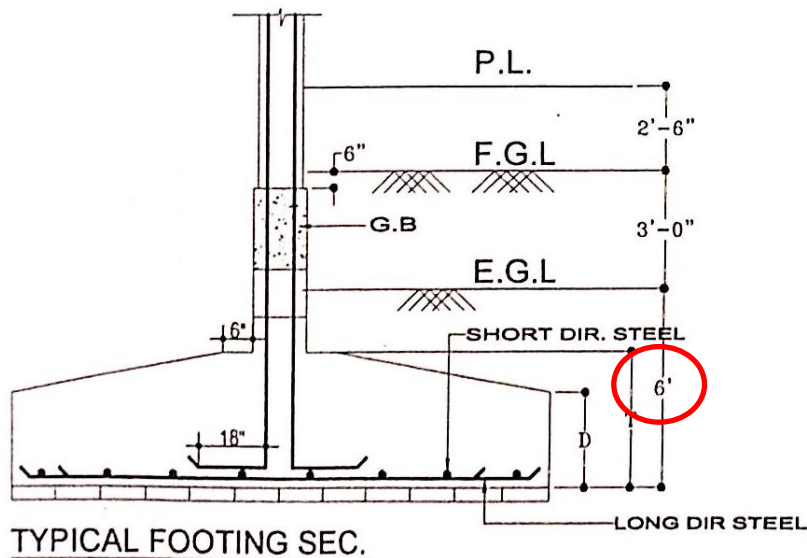
6. CONCLUSION AND RECOMMENDATION

under the prevailing subsoil condition which we have found from the field and laboratory test results the following conclusion can be drawn –

The subsoil formation of the project area has been found almost regular in between the borehole locations.

The top formation of the soil from the depth of 5 feet is satisfactory to sustain the superimposed load of the proposed 6 storied commercial building by providing shallow foundation.

On the basis of aforesaid conclusion it is suggested to provide the isolated column footing at a depth of 9 (nine) feet below the existing ground level with required dimensions considering the bearing capacity of the investigated soil as shown in table 1.



Foundation depth on structural drawings does not meet recommendations from soils report.

Foundation depth on drawing = 6'0"
Foundation depth on soils report = 9'0"

Overall Stability System



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

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

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, eventually causing corrosion of the reinforcing steel and deterioration of brick chip concrete.

Priority Actions

Problems Observed Summary

ITEM 1: (Priority 2) Foundation depth on structural drawings does not meet recommendations from soils report.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Foundation depth on structural drawings does not meet recommendations from soils report.	Complete a soils investigation, at the depth of the existing footings, to determine the actual bearing capacity before constructing more than 4 storeys.	6-weeks
2	Foundation depth on structural drawings does not meet recommendations from soils report.	Consider recommendations from soils report when designing additional storeys.	6-months