

Tokio mode Limited (10350)

98/173 Choydana, National University, Gazipur, Bangladesh

(+23.95752N, 90.38186E)

20.May.2014



Identified Priority 2 Concerns

1st Priority 2 Concern



The staircase at the side of Building is meant to be a fire escape. This means that there is a potential for crowds of people to use this stair in the event of emergency. However, the stair was built from very small steel members. The structural stability of this staircase is questionable, and it appears not to comply to BNBC load requirements for exits. Furthermore the staircase wasn't shown on any of the structural drawings.

Escape Staircase construction isn't strong

Identified Priority 3 Concerns

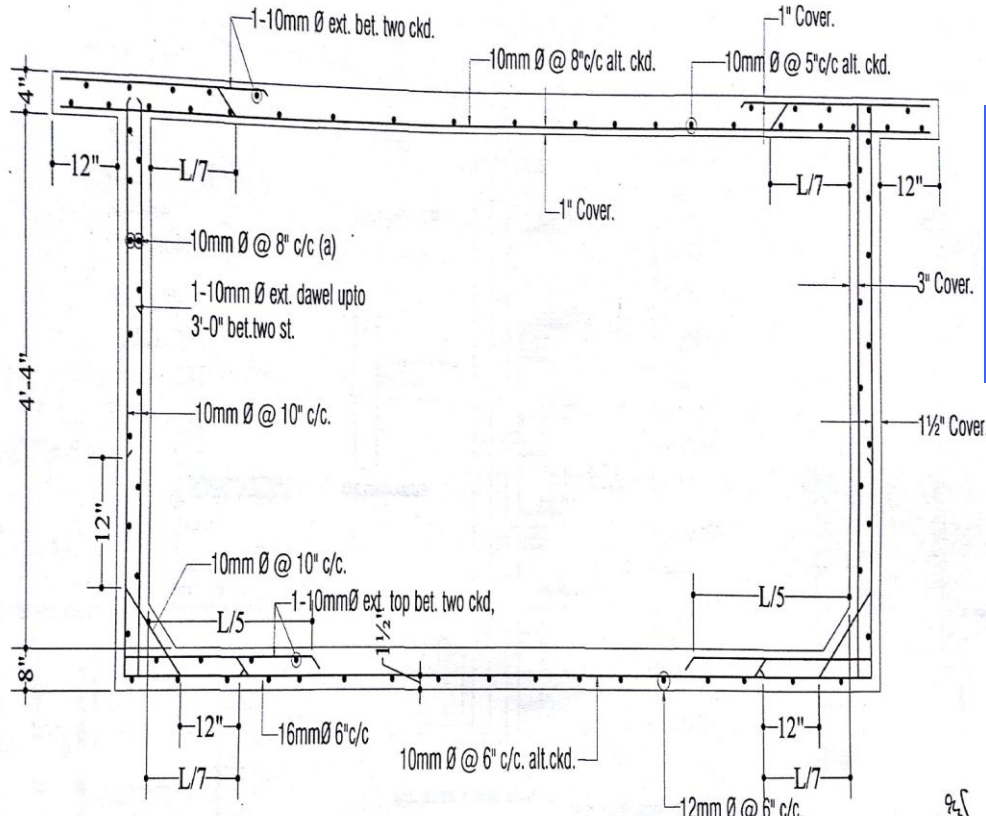
1st Priority 3 Concern



Practically every beam and slab on the roof floor had cracks observed.

Some cracks are thought to be flexural tension cracks, whilst some cracks may be shrinkage cracks

Some Beam and Slab on roof exhibits Cracking



There is insufficient information regarding the water tank details.

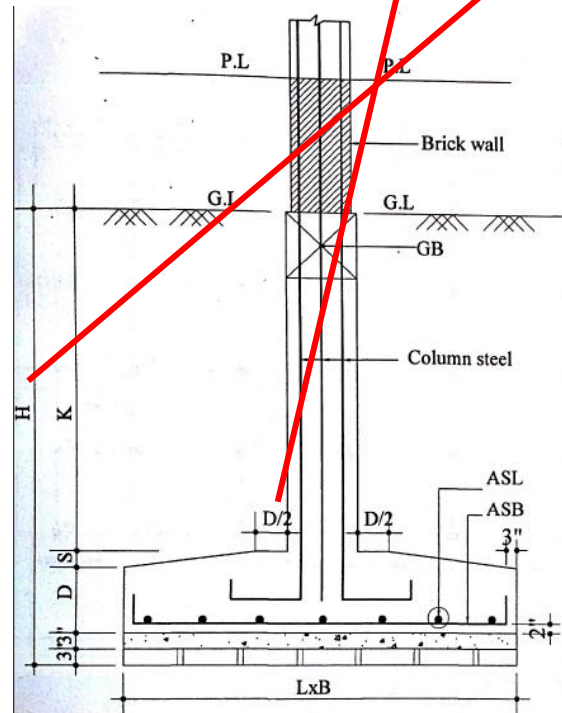
Lack some information about Water tank details

FOOTING SCHEDULE:

SL. NO.	TYPE OF FOOTING	L	B	D	D/2	S	H	REINFORCEMENT	
								ASL	ASB
1.	F-1,	9'-0"	9'-0"	11"		6"		6mmØ @ 5"c/c	16mmØ @ 5"c/c
2.	F-2,	11'-0"	11'-0"	12"		6"		6mmØ @ 5"c/c	16mmØ @ 5"c/c
3.	F-3,	11'-0"	11'-0"	13"		6"		6mmØ @ 4½"c/c	16mmØ @ 4½"c/c
4.	F-4,	12'-6"	12'-6"	15"		6"		6mmØ @ 4"c/c	16mmØ @ 4"c/c

Not enough information in table on foundation detail:

- H
- D2



Lack some information about foundations

Priority Actions

Problems Observed Summary

- ITEM 1: (1st Priority 2) Escape staircase appears to be insufficient for emergency loading**
- ITEM 2: (1st Priority 3) Some Beams and Slabs at the roof exhibit Cracking**
- ITEM 3: (2nd Priority 3) Water tank doesn't have enough structural information on the drawings**
- ITEM 4: (3rd Priority 3) The foundation drawing lacks some detail**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Escape staircase appears to be insufficient for emergency loading	Consider the renewal of this staircase, using suitable corrosion-resistant materials, and of a design suitable for emergency and panic loading.	6-weeks
2	Some Beams and Slabs at the roof exhibit Cracking	Carry out full survey of all structural elements to check for cracking and remove surface finishes to expose concrete Carry out repairs to the cracks in the concrete Apply new proper waterproof membrane and screed on the roof floor	6-months
3	Water tank doesn't have enough structural information on the drawings	The building engineer to prepare accurate structural and architectural records for the building, reflecting accurately the as-built condition.	6-months
4	The foundation drawing lacks some detail	The building engineer to prepare accurate structural and architectural records for the building, reflecting accurately the as-built condition.	6-months