Hop Lun Apparels Ltd. (9670)

S.T. Tower, Mouza-Gazipura, Gazipura, Tongi, Gazipur

(23.924262, 90.392314)

22.MARCH.2014

ACCORD on Fire and Building Safety in Bangladesh

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Identified Priority 1 Concerns

(None)

Identified Priority 2 Concerns

Structural Drawings do not Detail Beam Cantilevers

Structural Drawings do not Contain Labelled Typical Floor Slab Reinforcing Plan

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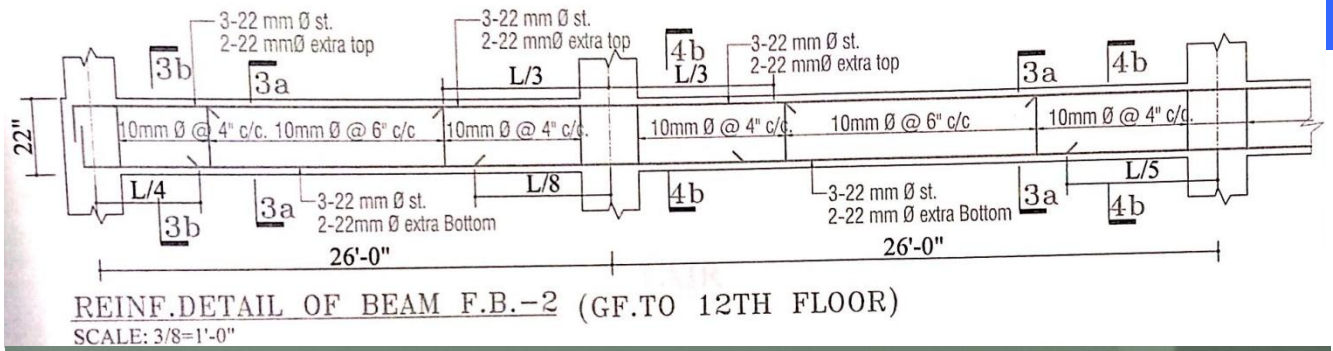
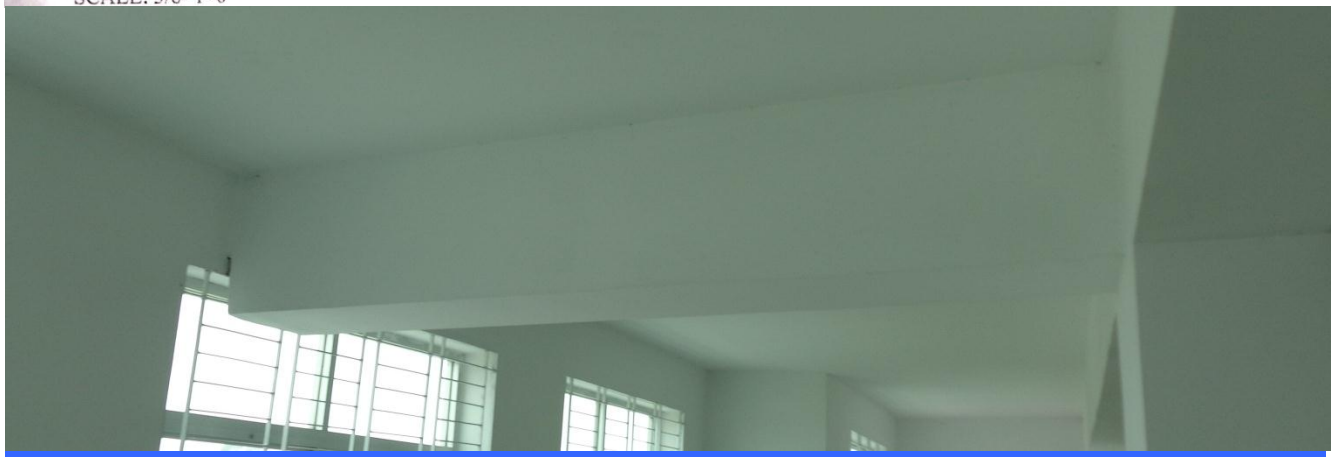
Priority 2 Concern





Structural drawings were, relatively speaking, very well done. However, portions of the slab were observed to be cantilevered past the column grid while no cantilever beam reinforcing details were are shown. It was indicated by the factory engineer that negative moment reinforcement over the outer most column was simply extended to the end of the cantilever.

Structural drawings do not show beam cantilever reinforcement

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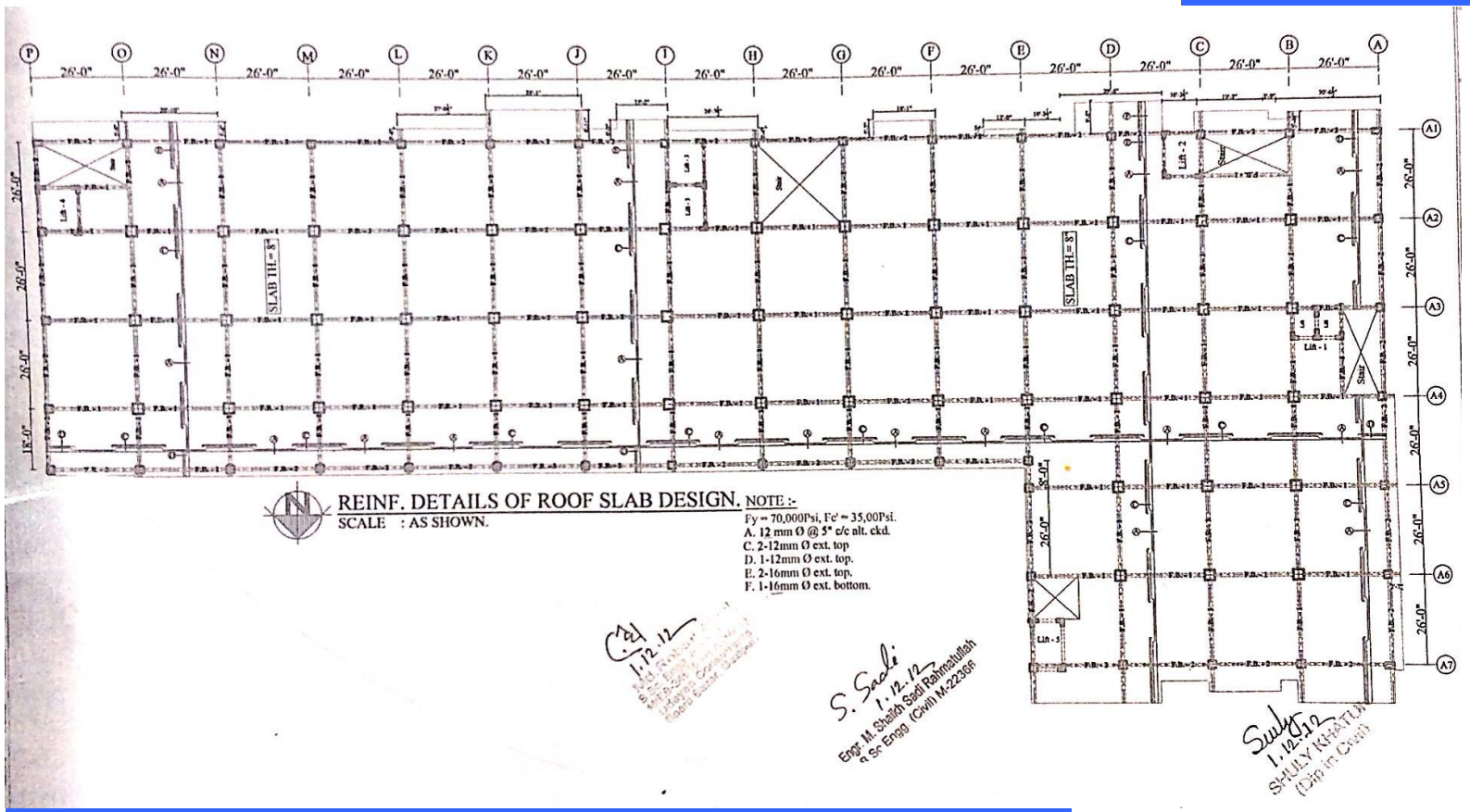
Priority 2 Concern



Floor slab reinforcing plan is labelled as a Roof Slab plan. No other slab reinforcing plan was contained within the drawings. It was indicated by the factory engineer that the slab reinforcing shown was used in all floor slabs.

Poorly Framed Rooftop Trusses

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Identified Priority 3 Concerns

(None)

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Priority Actions

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Problems Observed Summary

ITEM 1: (Priority 2) Typical floor beams cantilever outside of the column grid at various slab jog locations shown on the slab plans. However, floor beam plans do not indicate reinforcement that should be provided in the cantilevered portions of the beam. The factory engineer has indicated that negative moment reinforcement specified over beam supports has been placed continuously to the end of the cantilevers.

ITEM 2: (Priority 2) Structural drawings contain only one slab reinforcing plan labelled "Reinf. Details of Roof Slab Design". It is unclear whether these details are intended for typical floor slab reinforcing or only the roof slab reinforcing.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Typical floor beams cantilever outside of the column grid at various slab jog locations shown on the slab plans. However, floor beam plans do not indicate reinforcement that should be provided in the cantilevered portions of the beam. The factory engineer has indicated that negative moment reinforcement specified over beam supports has been placed continuously to the end of the cantilevers.	Remove any storage from cantilevered portions of floor slabs	Immediate – Now
2	Typical floor beams cantilever outside of the column grid at various slab jog locations shown on the slab plans. However, floor beam plans do not indicate reinforcement that should be provided in the cantilevered portions of the beam. The factory engineer has indicated that negative moment reinforcement specified over beam supports has been placed continuously to the end of the cantilevers.	Udayan Consultants to verify as built cantilever adequacy and amend structural drawings with cantilever reinforcing details.	6-weeks
3	Typical floor beams cantilever outside of the column grid at various slab jog locations shown on the slab plans. However, floor beam plans do not indicate reinforcement that should be provided in the cantilevered portions of the beam. The factory engineer has indicated that negative moment reinforcement specified over beam supports has been placed continuously to the end of the cantilevers.	Implement any works deemed necessary during review.	6-months
4	Structural drawings contain only one slab reinforcing plan labelled "Reinf. Details of Roof Slab Design". It is unclear whether these details are intended for typical floor slab reinforcing or only the roof slab reinforcing.	Have Udayan Consultants verify adequacy of Reinf. Details of Roof Slab Design plan for use as a typical floor slab. Udayan Consultants to amend drawings with a Typical Slab Reinforcement Plan.	6-weeks
5	Structural drawings contain only one slab reinforcing plan labelled "Reinf. Details of Roof Slab Design". It is unclear whether these details are intended for typical floor slab reinforcing or only the roof slab reinforcing.	Implement any works deemed necessary during review.	6-months