

AFIYA KNITWEAR LTD.

Holding 10/2, Block C, Road 3, Ward 2, Durgapur Ashulia, Savar, Dhaka
(24.1839128 N, 90.4877295 E)

27th October 2015



Observations

Poorly designed and constructed structural steel framing and connections



Truss resting on top of the RC columns welded to column rebars

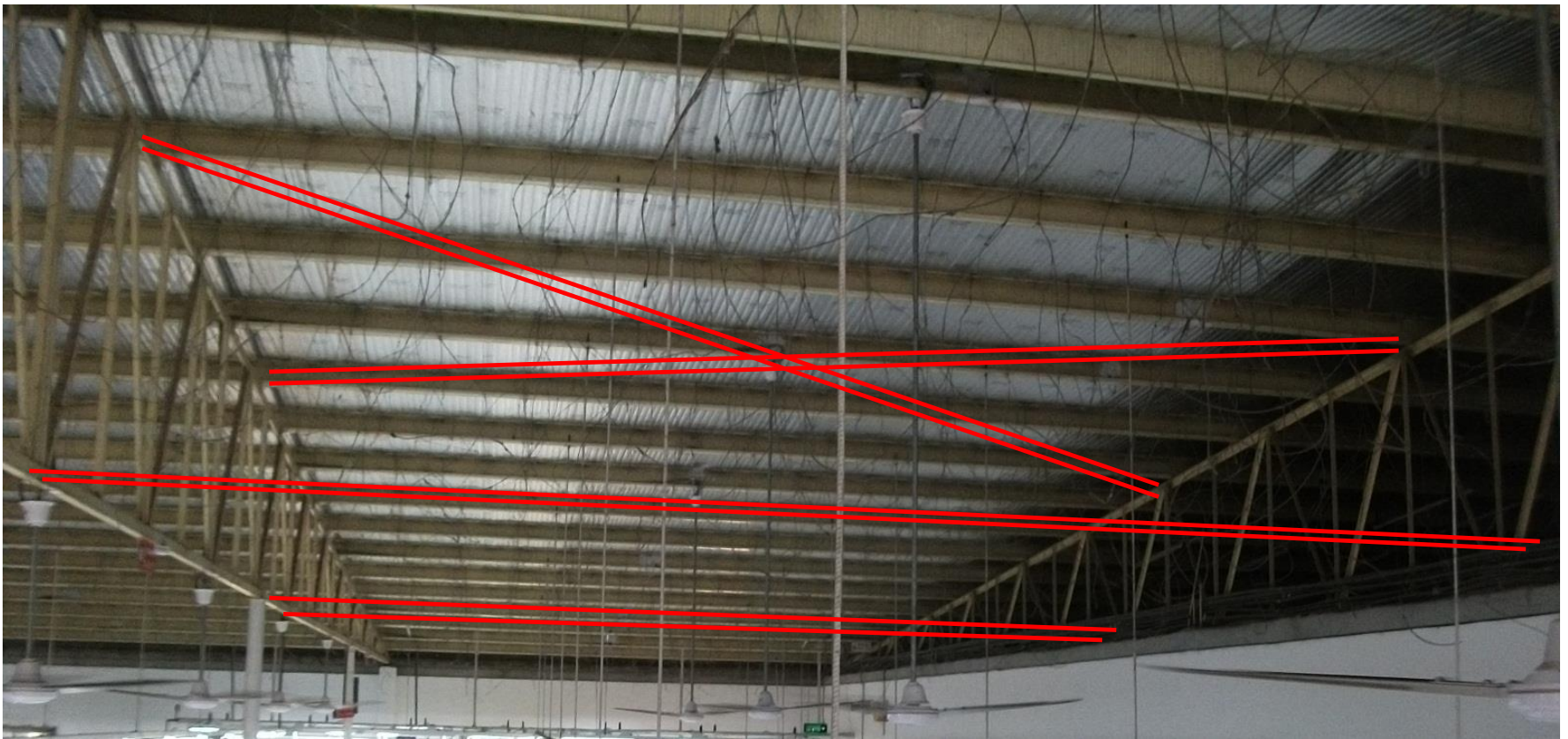


Poor welding between Steel Post to Truss bottom flange



Steel truss resting on top of the RC column at edge. Proper connection was not observed. Exposed rebars are tied and welded to steel profiles.

Lack of lateral stability elements



Stability elements are missing at bottom flange of truss
Lack of diagonal bracing at roof level

Problems Observed

ITEM 1: Poorly designed and constructed structural steel framing and connections

ITEM 2: Lack of lateral stability elements

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Poorly designed and constructed structural steel framing and connections	Engage a Building engineer to inspect the connections of the steel truss to the steel posts and the RC column.	6-weeks
2	Poorly designed and constructed structural steel framing and connections	Provide adequate steel detailing and additional welding where required.	6-months
3	Lack of lateral stability elements	Lateral stability of the moment frame system to be checked by the assigned Building Engineer	6-weeks
4	Lack of lateral stability elements	Provide proper lateral bracing	6-months