

Union Sportswear Ltd.

116, Morkon-Morkon Link Road, Pagar, Tongi, Gazipur-1710, Bangladesh.
(23.89847N, 90.420863E)

10th March 2015

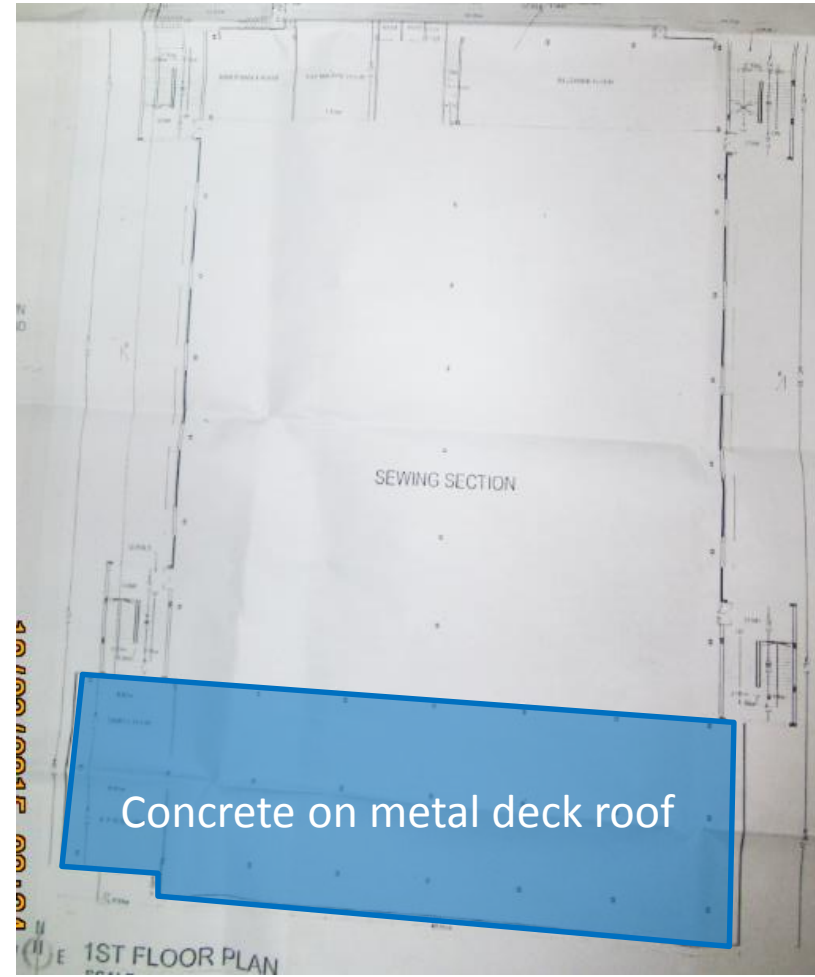


Observations

Main Building – Steel corrosion due to water penetration



Corrosion of the steelwork commencing under the concrete roof section of Main Building



Concrete on metal deck roof over steel beams

Observations – Main Building – steel corrosion

(Non-structural issue):
Main building - No evidence of fire-proofing to structural steel

Observations – Main Building



**Observations – Main Building – No evidence
of fire protection to structural steel**

Ancillary Buildings - Apparently non-engineered steel roof structures



No roof bracing in Dining Shed



No roof bracing in Generator/Sub-station room

Observations – Ancillary Buildings – Apparently non-engineered steel roof structures

Priority Actions

Problems Observed

ITEM 1: Main Building – Steel corrosion due to water penetration

ITEM 2: Ancillary Buildings – Apparently non-engineered steel roof structures

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Main Building – Steel corrosion due to water penetration	Building Engineer to investigate water penetration through the concrete roof area and from the 1st floor toilet area.	6-weeks
2	Main Building – Steel corrosion due to water penetration	Carry out remedial structural works to prevent water penetration.	6-months
3	Main Building – Steel corrosion due to water penetration	Carry out remedial structural works to paintwork of structural steel (including pre-painting surface preparation) ensuring that all necessary coats are reinstated (e.g. primer, fire protection, finish coats as appropriate).	6-months
4	Ancillary Buildings – Apparently non-engineered steel roof structures	Building Engineer to review the structural design of steel roof structures for their capacity to withstand statutory vertical and horizontal design loads.	6-weeks
5	Ancillary Buildings – Apparently non-engineered steel roof structures	Carry out any remedial / strengthening works as required following structural review.	6-months