

MNR Sweaters Ltd.

Beraiderchala, Sreepur, Gazipur-1740, Bangladesh.

24.195226N, 90.420626E

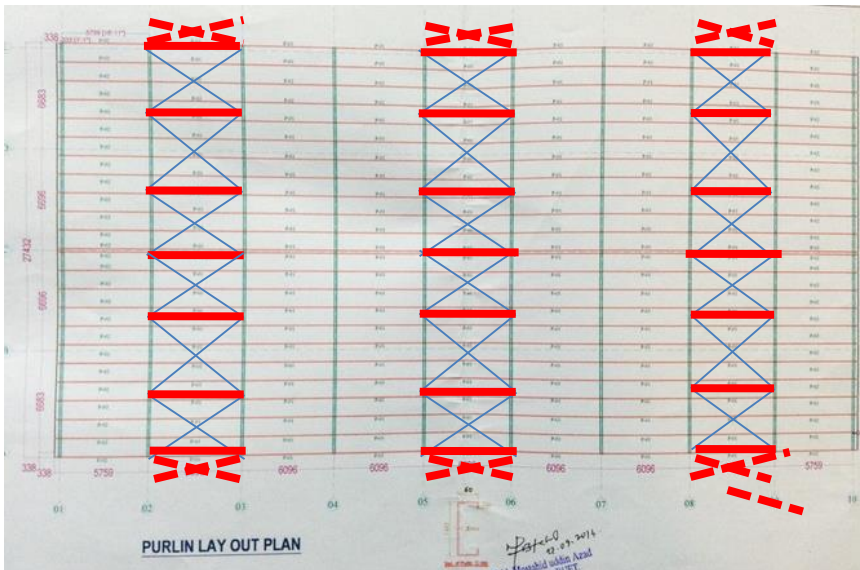
28th March 2015



Observations

Buildings 1 & 2

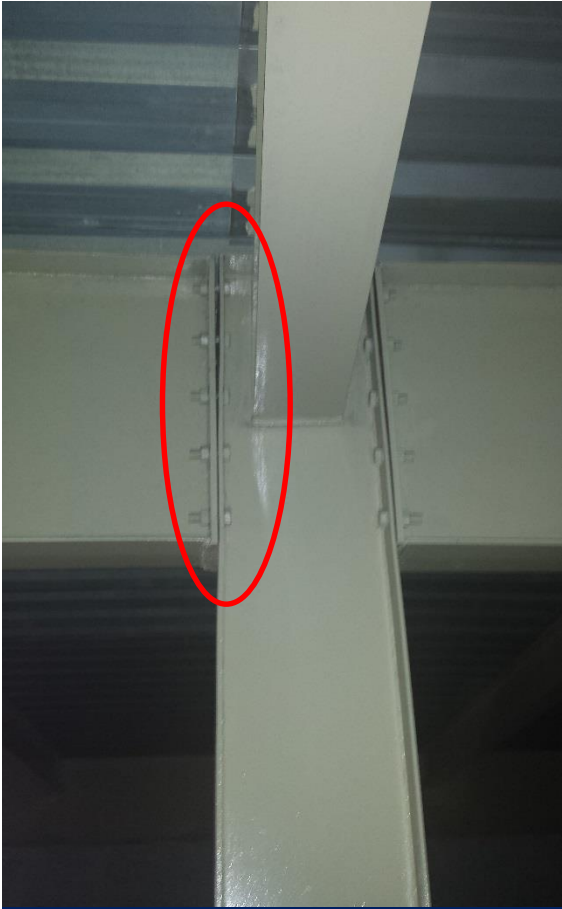
Non-engineered connections and lack of bracing



Lack of roof bracing struts and vertical bracing



Lack of roof bracing struts and non-engineered hangers (welded to purlins)



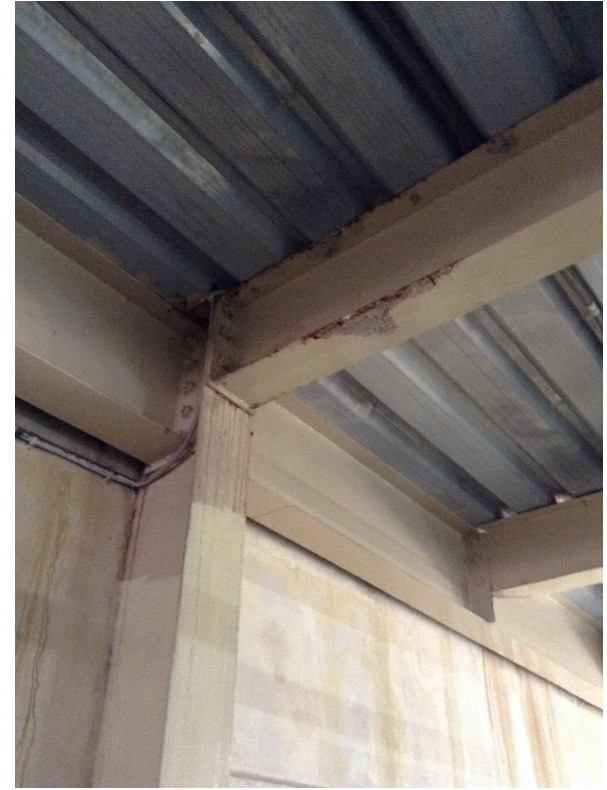
**Building 1 – 1st Floor main beam/column connections
– gaps between endplates**



**Building 2 – Roof
beam/column connection –
gap between endplates**

Building 1

Corrosion in 1st floor beams



Building 1 - corrosion in 1st floor beams

Buildings 1 & 2

Discrepancies between “as-built” documentation and site observations

Priority Actions

Problems Observed

- ITEM 1:** Buildings 1 & 2 - Non-engineered connections and lack of bracing
- ITEM 2:** Building 1 - Corrosion in 1st floor beams
- ITEM 3:** Buildings 1 & 2 - Discrepancies between “as-built” documentation and site observations

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Buildings 1 & 2 - Non-engineered connections and lack of bracing	Building Engineer to check design of connection joints.	6-weeks
2	Buildings 1 & 2 - Non-engineered connections and lack of bracing	Building Engineer to check roof bracing and vertical bracing for adequacy to resist Code vertical and horizontal loads.	6-weeks
3	Buildings 1 & 2 - Non-engineered connections and lack of bracing	Carry out any remedial works arising from engineering checks.	6-months
4	Building 1 - Corrosion in 1st floor beams	Building Engineer to identify steel elements where corrosion is evident.	6-weeks
5	Building 1 - Corrosion in 1st floor beams	Building Engineer to specify remedial paint works to corroded elements, including preparation, primer and top coat(s).	6-weeks
6	Building 1 - Corrosion in 1st floor beams	Carry out remedial works to corroded elements.	6-months
7	Buildings 1 & 2 - Discrepancies between “as-built” documentation and site observations	Building Engineer to check and up-date drawings to accurately reflect as-built buildings	6-months