Roar Fashion Ltd.

Ward # 09, Kathali, Bhaluka, Mymensingh.
Coordinates: 24.382730N,90.384889E

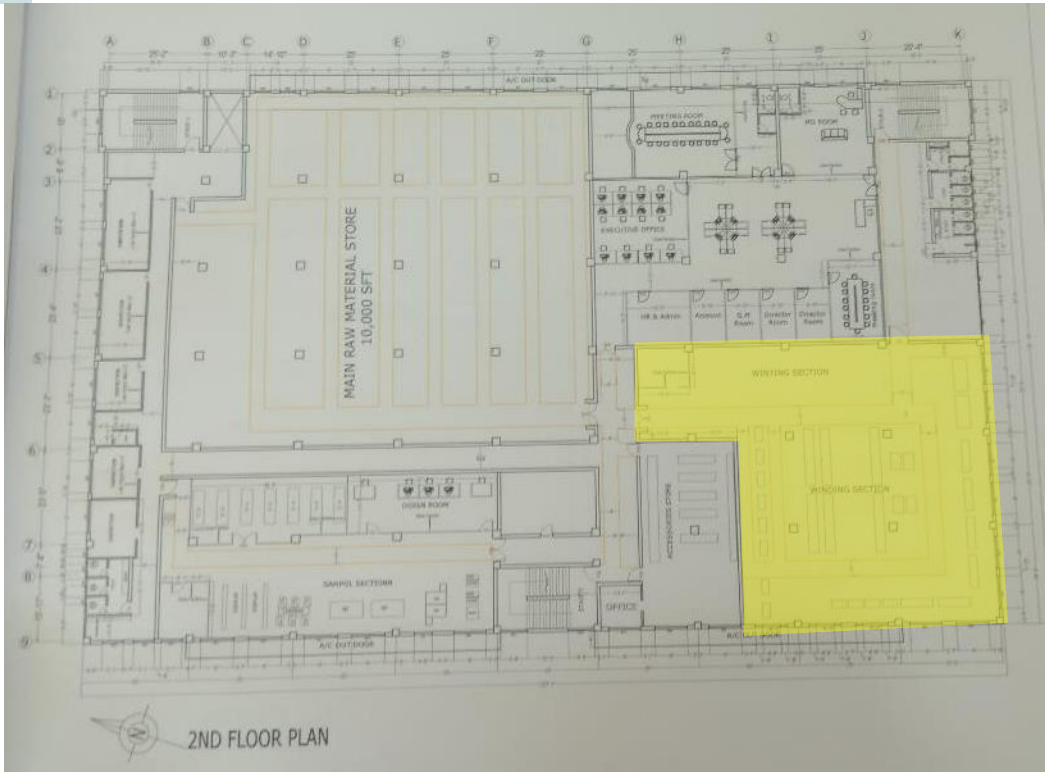
01 March 2020

ACCORD
on Fire and Building Safety in Bangladesh

Observations

Signification vibration observed at 2nd floor (Winding section)

Observations: Production Building



2nd floor layout plan

Winding section

Signification vibration was observed at winding section on 2nd floor which may cause the long-term fatigue effect. Building engineer is required to investigate the long-term effect of the vibration and suggest remediation.

Observations: Production Building

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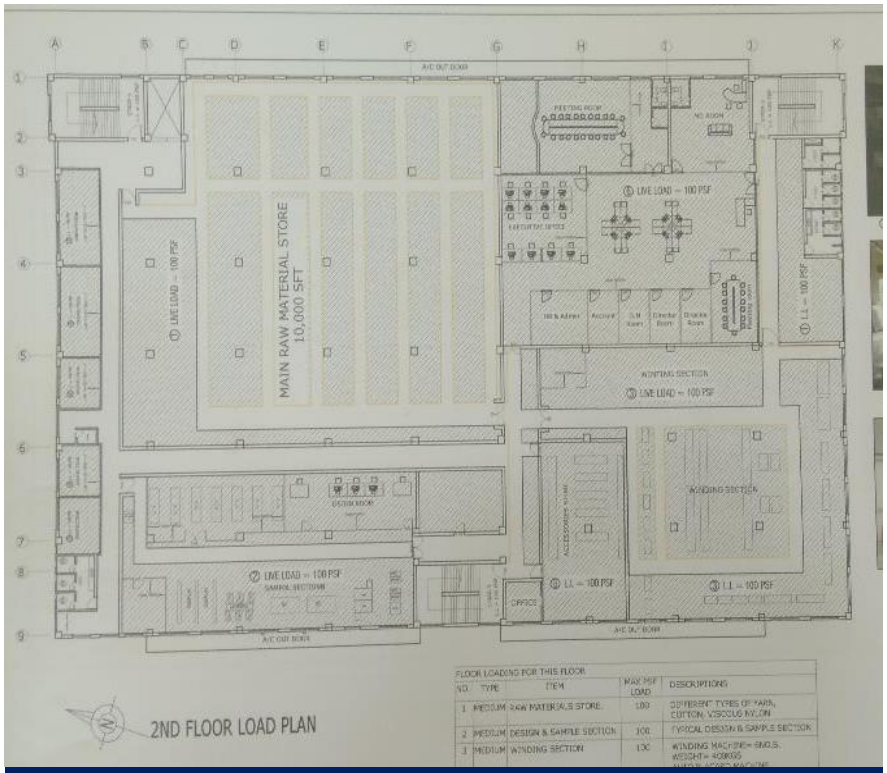
Floor load management program

Observations: Production Building



Prepared load plan was found considering 5 KPa

Load management program was not implemented. Building engineer is required to implement the floor load management program by posting load plan, providing signage, load restriction height marking on storage area, record keeping of the loading.

Observations: Production Building

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Non engineered steel roof over stair staircase

Observations: Production Building

Non engineer steel roof at north stair

Non engineer steel roof at south stair

Observations: Production Building

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Corrosion in exposed reinforcement

Observations: Production Building

Corrosion in exposed rebar

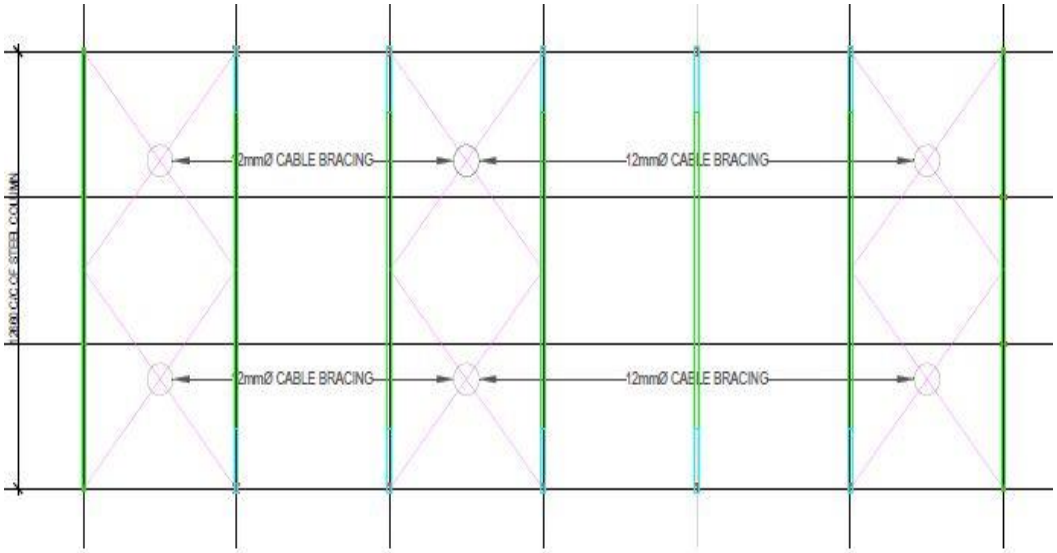
Corrosion in exposed rebar

Corrosion found in exposed rebar at roof level. Building engineer is required to provide rust proof paint to prevent further corrosion.

Observations: Production Building

Lack of lateral stability system

Observations: Dining Shed



Bracing layout plan

No vertical bracings/tie beam/compression struts were provided in the long direction. Only roof bracings are provided along the short direction, lateral stability along the long direction is appeared to be incomplete. The building engineer is required to check the lateral stability system of the shed.

Absence of load transfer member in long direction

Observations: Dining Shed

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Significant gap in connections

Observations: Dining shed

Significant connection gap was found in several location

Significant connection gap was found in several location which may reduce the moment capacity of the connections. The building engineer is required to fill the gaps with a suitable method.

Observations: Dining Shed

Corrosion in steel members

Observations: Dining shed

Corrosion found in steel members

Building engineer is required to provide rust proof paint or any other protective measure to prevent further corrosion.

Observations: Dinning shed

Problems Observed

Production Building:

Item-1: Signification vibration observed at 2nd floor (Winding section).

Item-2: Floor load management program.

Item-3: Non engineered steel roof over stair staircase.

Item-4: Corrosion in exposed reinforcement.

Dinning Shed:

Item-5: Lack of lateral stability system.

Item-6: Significant gap in connections.

Item-7: Corrosion in steel members.

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Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Signification vibration observed at 2nd floor (Winding section). (Production Building)	Building engineer is required to investigate the long-term effect of the vibration and suggest remediation.	**6-weeks**
2	Signification vibration observed at 2nd floor (Winding section). (Production Building)	Carry out any remedial works where necessary.	**6-months**
3	Floor load management program. (Production Building)	Implement the floor load management program by posting load plan, providing proper signages, load restriction height marking & record keeping of the loading.	**6-weeks**
4	Non engineered steel roof over stair staircase. (Production Building)	Building engineer is required to carry out adequacy check for the both steel roofs against the wind load. Or, Replace with an engineered shed.	**6-weeks**
5	Non engineered steel roof over stair staircase. (Production Building)	Carry out any remedial works.	**6-months**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
6	Corrosion in exposed reinforcement (Production Building)	Building engineer is required to provide rust proof paint to prevent further corrosion.	**6-weeks**
7	Lack of lateral stability. (Dining Shed)	Building engineer is required to check the lateral stability system of the shed.	**6-weeks**
8	Lack of lateral stability. (Dining Shed)	Implement any remediation if required.	**6-months**
9	Significant gap in connections.(Dining Shed)	Building engineer is required to fill the gaps with a suitable method.	**6-weeks**
10	Corrosion in steel members. (Dining Shed)	Building engineer is required to provide rust proof paint to prevent further corrosion.	**6-weeks**