Absolute Qualitywear Ltd.

Tek Kathora, Salna Bazar, Salna, Gazipur Sadar, Gazipur-1702.
(24.025742, 90.380193)
18 December 2022

RSC RMG SUSTAINABILITY COUNCIL

Building information

Production Building: The structure is single storied prefabricated steel shed.

Office Building: The structure is two storied (G+1) steel building.

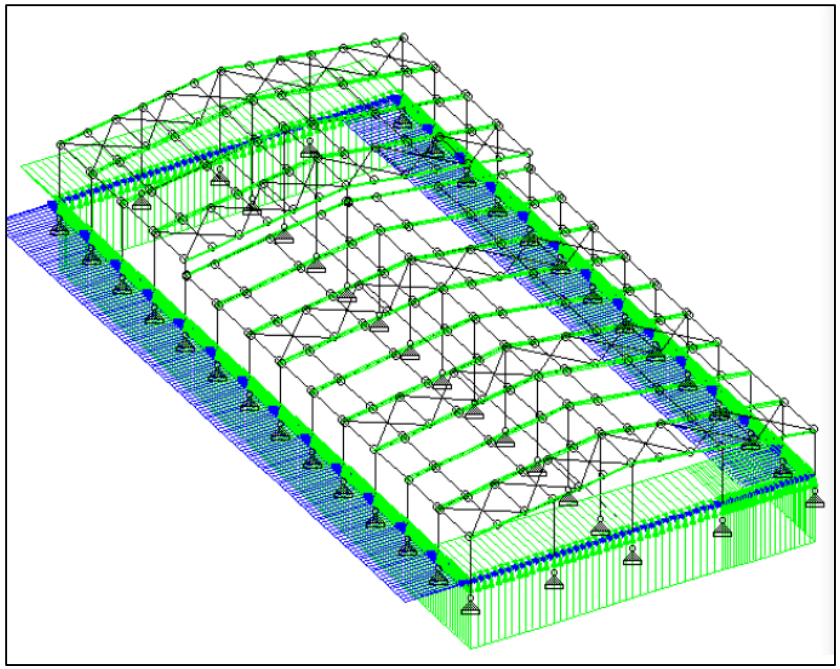
Utility Building: The structure is single storied (B+G) reinforced concrete (RC) structure with a basement.

Security Post-01 & Security Post-02: These structure are single storied brick masonry buildings.
Wastage Jhute Room: The structure is a single storied shed adjacent to Utility Building.

Observations

Discrepancy in lateral stability system between design report and on-site condition

Observation: Production Building



In design report, continuous compression member was considered at ridge.

Absence of continuous compression member at ridge

The building engineer is required to carry out Engineering Assessment (EA) to check the lateral stability system of the steel shed along the long direction.

Observation: Production Building

Significant connection gap and bolt missing

Observation: Production Building

Bolt missing at several locations

Significant connection gap

Bolt missing and significant connection gap was observed at several locations.
Factory engineered is required to

- Install the missing bolt,
- Take proper measure to fill up connection gap.

Observation: Production Building

Inactive & loose cable bracing

Observation: Production Building

Loose cable bracing at several location

Inactive cable bracing (inserted in partition brick wall)

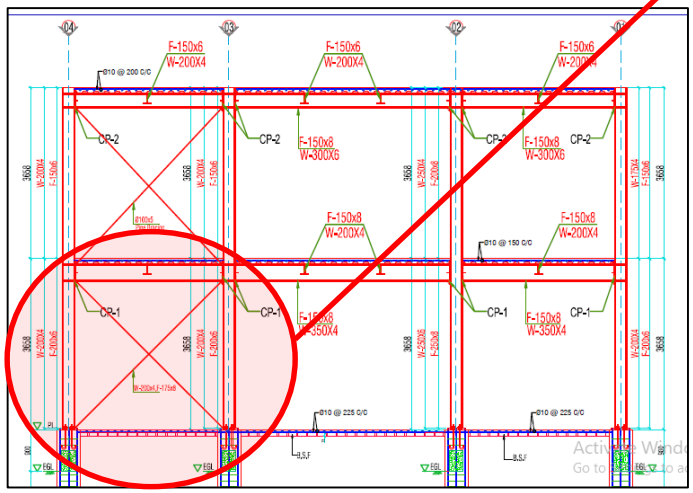
Loose cable bracing & inactive cable bracing were observed at several locations. The factory is required to tighten the loose bracing & free the load path of the inactive bracing properly.

Observation: Production Building

Vertical bracing missing

Observation: Office Building

Vertical bracing found missing



Bracing layout

Bracing was found missing at grid-E as per factory provided drawing. Factory is required to carry out the Engineering Assessment (EA) to check the lateral stability system against the lateral load.

Observation: Office Building

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Corrosion observed at the vertical bracing

Observation: Office Building

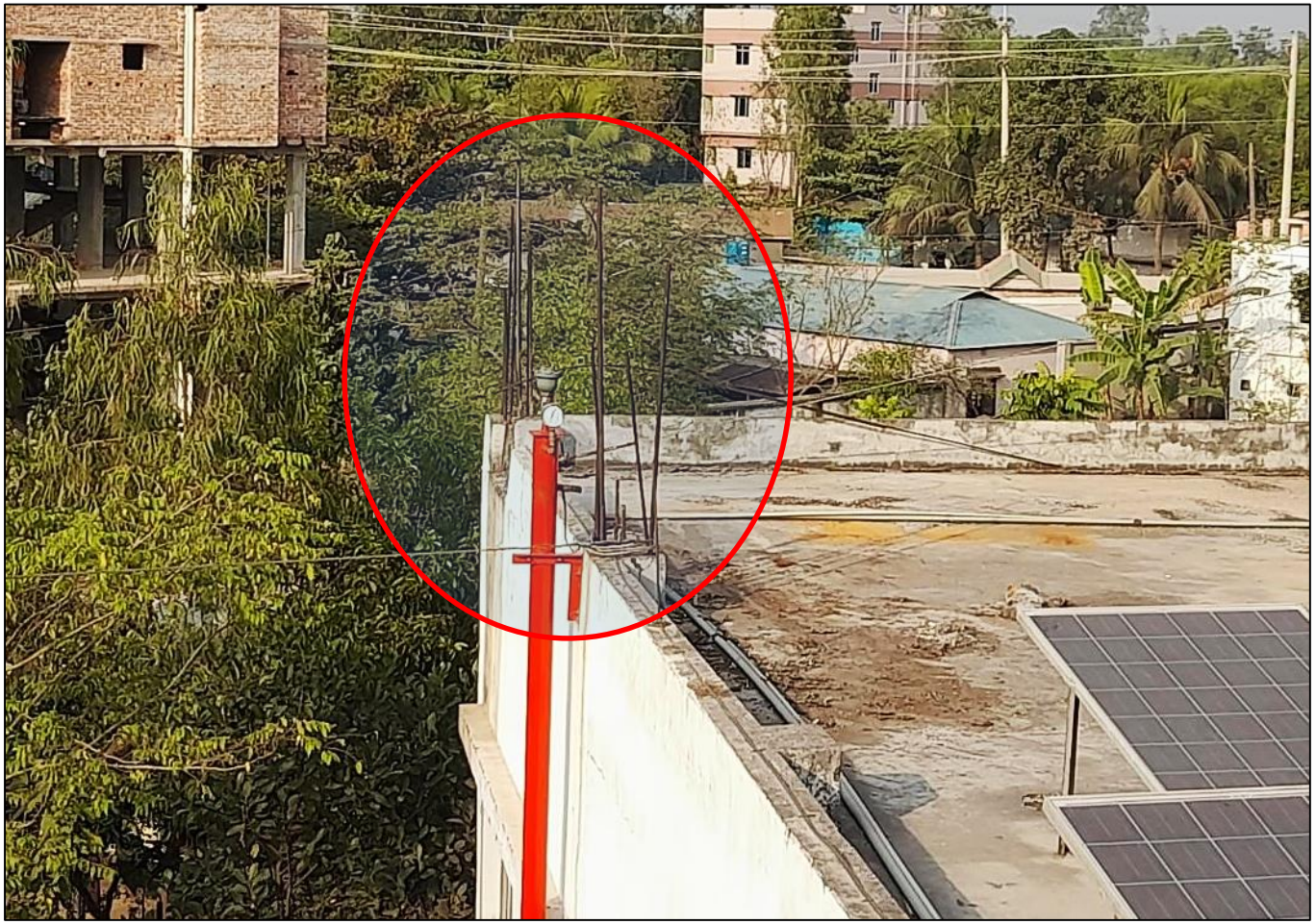
Signage of corrosion observed at vertical bracing

Signage of corrosion was observed at vertical bracing at several locations of the building. Factory engineer is required to remove the corrosion, apply suitable corrosion resistance paint and remove the source of corrosion.

Observation: Office Building

Corrosion at the exposed rebar of roof

Observation: Utility Building



Exposed rebar was observed at the roof of the utility building.

Factory is required to provide protective coating on the exposed rebar to protect from corrosion.

Observation: Utility Building

Problems Observed

Production Building:

Item 01: Discrepancy in lateral stability system between design report and on-site condition.

Item 02: Significant connection gap and bolt missing.

Item 03: Inactive & loose cable bracing.

Office Building:

Item 04: Vertical bracing missing.

Item 05: Corrosion observed at the vertical bracing.

Utility Building:

Item 06: Corrosion at the exposed rebar of roof.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Discrepancy in lateral stability system between design report and on-site condition. (Production Building)	The building engineer is required to carry out Engineering Assessment (EA) to check the lateral stability system of the steel shed and submit the EA documents to RSC for review.	6-weeks
02	Discrepancy in lateral stability system between design report and on-site condition. (Production Building)	Carry out remedial works (if any) as per accepted EA.	6-months
03	Significant connection gap and bolt missing. (Production Building)	Factory engineered is required to install the missing bolt.	6-weeks
04	Significant connection gap and bolt missing. (Production Building)	Factory engineered is required to take proper measure to fill up connection gap.	6-weeks
05	Inactive & loose cable bracing. (Production Building)	Factory is required to tighten the loose bracing.	6-months
06	Inactive & loose cable bracing. (Production Building)	Factory is required to free the load path of the inactive bracing properly.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
07	Vertical bracing missing. (Office Building)	Factory is required to carry out the Engineering Assessment (EA) to check the lateral stability system against the lateral loads shed and submit the EA documents to RSC for review.	6-months
08	Vertical bracing missing. (Office Building)	Carry out remedial works (if any) as accepted EA.	6-weeks
09	Corrosion observed at the vertical bracing. (Office Building)	Factory engineer is required to remove the corrosion, apply suitable corrosion resistance paint and remove the source of corrosion.	6-weeks
10	Corrosion at the exposed rebar of roof. (Utility Building)	Factory is required to provide protective coating on the exposed rebar to protect from corrosion.	6-weeks