

Unimas Sportswear (Extension 2)

BAGBARI, KASHIMPUR, GAZIPUR SADAR

(23.955898N, 90.313042E)

14 November 2024

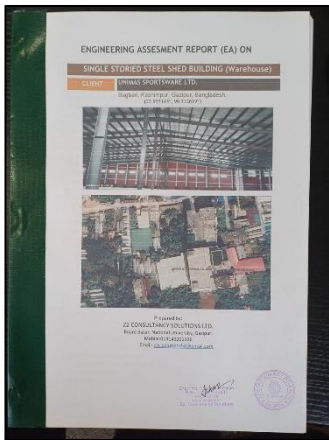


1. Building information

1. Warehouse Shed-1
2. Warehouse Shed-1
3. Dining & Store Shed

2. Observations

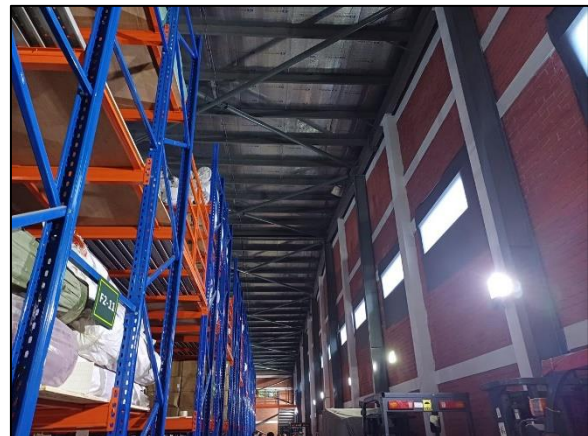
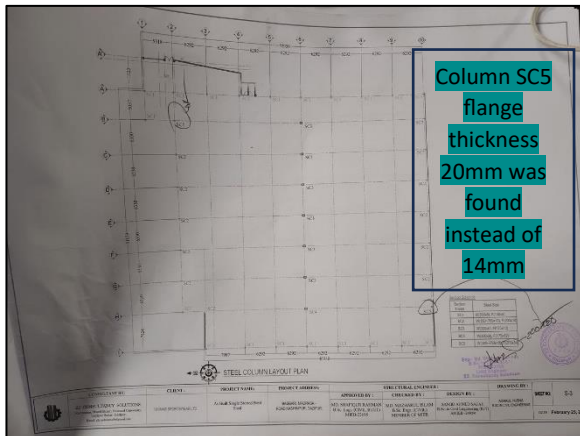
Observation-01: Prepared design report needs to be reviewed against lateral loadings (Warehouse Shed-1).



Design report

Description: During the inspection, an Engineering Assessment (EA) report was found onsite. No connection adequacy was included in the EA report. However, the building engineer is required to revise the prepared EA report based on as-built member sizes. Submit the revised EA documents to the RSC for detailed review against lateral forces.

Observation-02: Discrepancy in as-built drawing (Warehouse Shed-1).



As built drawings

Description: During the inspection, mismatch was observed in the provided drawing with the as-built condition for the mentioned structures. Column SC5 mismatch was found with as-built drawings. The building engineer is required to survey the whole structure and update the drawing reflecting on-site condition.

Observation-03: Loose cable bracing (Warehouse Shed-1).



Loose cable bracing

Description: During the inspection, Loose cable bracing was found at the roof bracing. The factory is required to tighten the loose bracings for transferring the lateral loads properly.

Observation 4: RC short column susceptible to trolley impact (Warehouse Shed-1).



Columns are susceptible to trolley impact

Description: Columns are susceptible to impact loading from trolley. Signs of damage in columns were observed. Factory is required to provide guard for all exposed column to prevent from possible trolley impact.

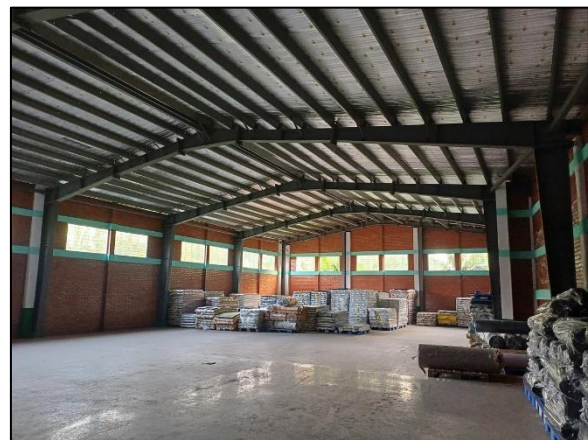
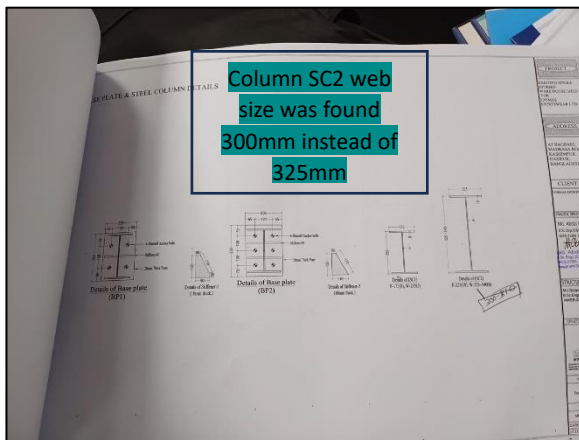
Observation-05: Prepared design report needs to be reviewed against lateral loadings (Warehouse Shed-2).



Design report

Description: During the inspection, an Engineering Assessment (EA) report was found onsite. However, the building engineer is required to revise the prepared EA report based on as-built member sizes. Submit the revised EA documents to the RSC for detailed review against lateral forces.

Observation-06: Discrepancy in as-built drawing (Warehouse Shed-2).



As built drawings

Description: During the inspection, mismatch was observed in the provided drawing with the as-built condition for the mentioned structures. Column SC2 mismatch was found with as-built drawings. The building engineer is required to survey the whole structure and update the drawing reflecting on-site condition.

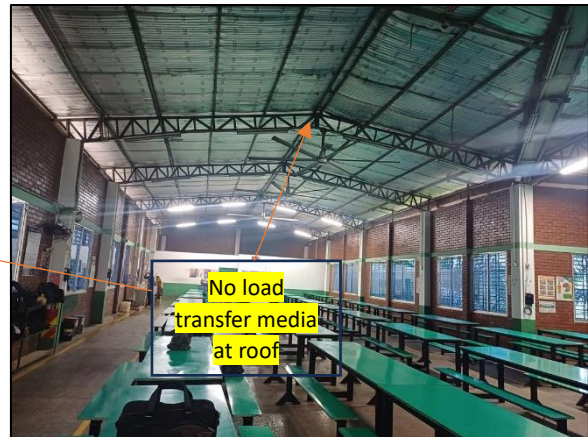
Observation-07: Loose cable bracing (Warehouse Shed-2).



Loose cable bracing

Description: During the inspection, Loose cable bracing was found on the wall and roof bracing. The factory is required to tighten the loose cable bracings for transferring the lateral loads properly.

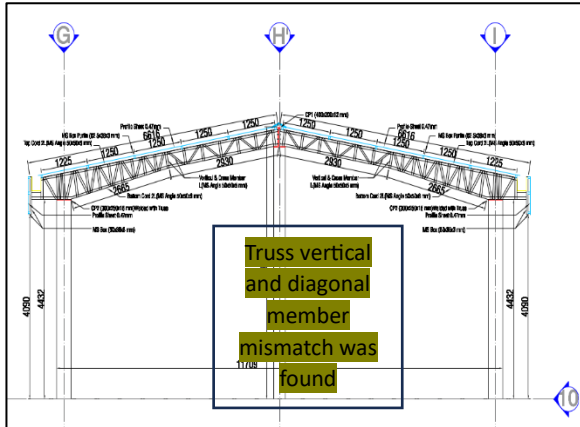
Observation-08: Incomplete lateral stability and absence of design report (Dining & Store Shed).



Lateral stability

Description: Load transfer media is not provided along long direction for this shed. Therefore, the lateral stability system of the shed is incomplete. During inspection, no design report was available for this structure. The building engineer is required to check the lateral stability of the structure, prepare a design report and submit to RSC for detailed review against lateral forces.

Observation-09: Discrepancy in as-built drawing (Dining & Store Shed).



As built drawings

Description: During the inspection, mismatch was observed in the provided drawing with the as-built condition for the mentioned structures. Truss vertical and diagonal members were found single and double angle at different locations. As per provided drawings double angle were shown instead of single angle. The building engineer is required to survey the whole structure and update the drawing reflecting on-site condition..

Observation 10: Gap between steel connection plates (Dining & Store Shed).



Connection gap

Description: Gap was found between steel connection plates at truss joint. The building engineer is required to fill the gap with suitable methods.

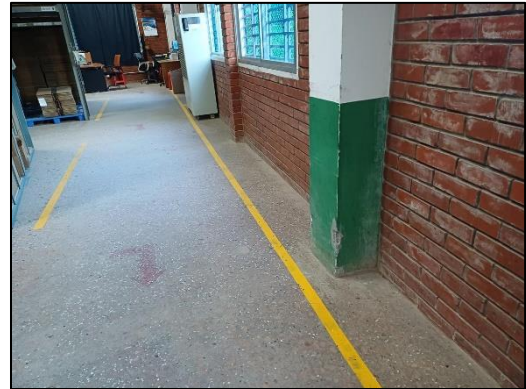
Observation 11: Missing nut-bolts at truss joint plate (Dining & Store Shed).



Bolt missing

Description: Missing bolt was found at truss joint. The factory is required to install the missing bolts.

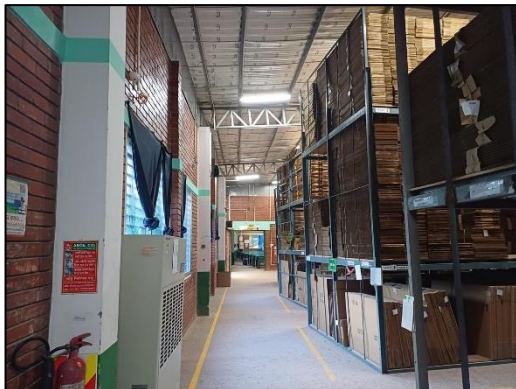
Observation 12: Column susceptible to trolley impact (Dining & Store Shed).



Columns are susceptible to trolley impact

Description: Columns are susceptible to impact loading from trolly. Signs of damage in columns were observed. Factory is required to provide guard for all exposed column to prevent from possible trolly impact.

Observation 13: Unbraced storage racks on different floors (Dining & Store Shed).



Unbraced storage racks

Description: Unbraced storage racks were observed on the ground floor. The factory is required to provide anchorage/bracing to the storage racks to protect from falling hazard.

3. Action Plan

Item No	Observation	Action Plan	Timeline
1.	Prepared design report needs to be reviewed against lateral loadings (Warehouse Shed-1).	The building engineer is required to revise the prepared EA report based on as-built member sizes. Submit the revised EA documents to the RSC for detailed review against lateral forces.	within 6 weeks
2.		Carry out suggested remedial works if required.	within 6 months
3.	Discrepancy in as-built drawing (Warehouse Shed-1).	The building engineer is required to survey the whole structure and update the drawing reflecting on-site condition.	within 6 weeks
4.	Loose cable bracing (Warehouse Shed-1).	The factory is required to tighten the loose bracings for transferring the lateral loads properly.	within 6 weeks
5.	RC short column susceptible to trolley impact (Warehouse Shed-1).	Factory is required to provide guard for all exposed column to prevent from possible trolley impact.	within 6 weeks
6.	Prepared design report needs to be reviewed against lateral loadings (Warehouse Shed-2).	The building engineer is required to revise the prepared DEA report based on as-built member sizes. Submit the revised DEA documents to the RSC for detailed review against lateral forces.	within 6 weeks
7.		Carry out suggested remedial works if required.	within 6 months
8.	Discrepancy in as-built drawing (Warehouse Shed-2).	The building engineer is required to survey the whole structure and update the drawing reflecting on-site condition.	within 6 weeks
9.	Loose cable bracing (Warehouse Shed-2).	The factory is required to tighten the loose bracings for transferring the lateral loads properly.	within 6 months
10.	Incomplete lateral stability and absence of design report (Dining & Store Shed).	The building engineer is required to check the lateral stability of the structure, prepare a design report and submit to RSC for review.	within 6 weeks
11.		Carry out suggested remedial works if required.	within 6 months
12.	Discrepancy in as-built drawing (Dining & Store Shed).	The building engineer is required to survey the whole structure and update the drawing reflecting on-site condition.	within 6 weeks
13.	Gap between steel connection plates (Dining & Store Shed).	The building engineer is required to fill the gap with suitable methods.	within 6 months

14.	Missing nut-bolts at truss joint plate (Dining & Store Shed).	The factory is required to install the missing bolts.	within 6 weeks
15.	Column susceptible to trolley impact (Dining & Store Shed).	Factory is required to provide guard for all exposed column to prevent from possible trolley impact.	within 6 weeks
16.	Unbraced storage racks on different floors (Dining & Store Shed).	The factory is required to provide anchorage/bracing to the storage racks to protect from falling hazard.	within 6 weeks