

Jin Hong Garments Ltd

Building -1, Tangail Road, Nawjor, Chandona Chowrasta, Gazipur

(23.988203, 90.366097)

23 October 2024



1. Building Information

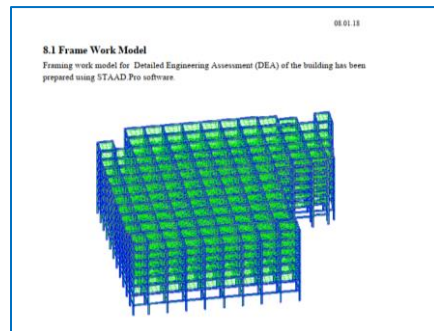
1. Main Production Building
2. Boiler & Compressor Building
3. Sub Station & Generator Building
4. Medical Building & Childcare
5. MDB Building
6. Warehouse Shed
7. Security Room

2. Observation:

Observation-1: Inconsistencies in as-built drawings and DEA report. (Main Production Building)



Additional bay at front



DEA report

Description: The number of rebars in the internal columns were found to be less than the column schedule on 5th floor. Also, the beam-column layout was found mismatched on the south-east corner. Corner column was found offset from main grid 13-N. On the other hand, the front side extra bay is neither shown in as built drawings nor considered in the DEA report. Which is monolithically connected with the main structure.

The building engineer is required to address the inconsistencies in the as-built drawings and incorporate in the existing DEA documents.

Observation-2: Crack on the brick wall. (Main Production Building)



Description: Crack was observed on the stair wall. The building engineer is required to investigate the reason for the crack and suggest proper remedial action accordingly.

Observation-3: Dampness was found on the walls. (Main Production Building)



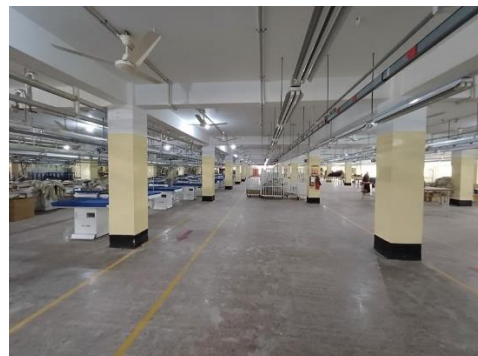
Description: Dampness was found on the stair and toilet partitions walls. The building engineer is required to investigate the cause of the dampness and repair it using a suitable method.

Observation-4: Non-structural elements are not anchored. (Main Production Building)



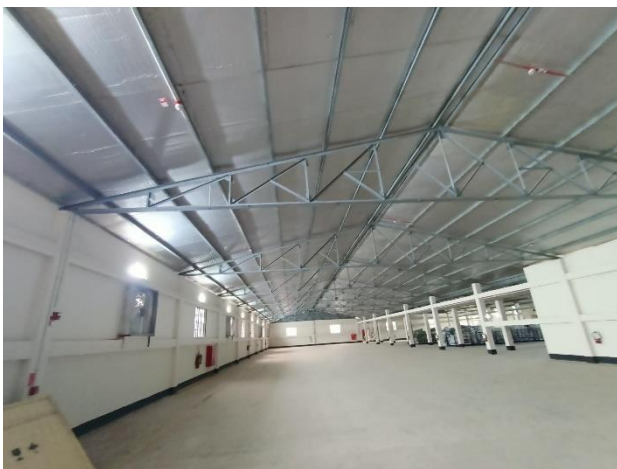
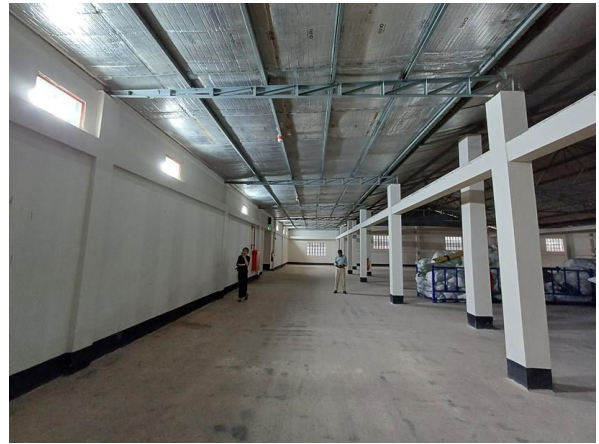
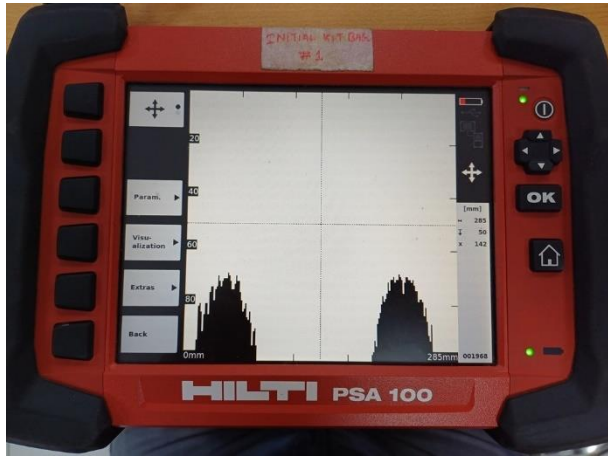
Description: Non-structural elements (Storage racks) were found on different floors of the buildings. The building engineer is required to adequately anchor and brace all the nonstructural elements to avoid falling hazards during earthquakes.

Observation-5: Column susceptible to trolley impact. (Main Production Building)



Description: During the inspection, RC columns on different floors were found damaged due to trolley impact. The building engineer is required to provide a barrier around the column to avoid trolley impact.

Observation-6: Mismatches in as-built drawing. (Warehouse Shed)



Description: At north part, amount of rebar in RC column were found 4 instead of 6. Grade Beam, lintel and column layout were not updated as per actual conditions. Moreover, connection details were not mentioned in the provided drawings.

Building engineer is required to address the inconsistencies in the as-built drawings and incorporate in the existing EA documents. Also, check whether the lateral stability is compromised or not due to the changes.

Observation-7: Lack of information and mismatches in as-built drawing. (Boiler & Compressor Building, Sub Station & Generator Building, Medical Building & Childcare, MDB Building)



Description: Architectural drawings were not available for Boiler & Compressor Building, Sub Station & Generator Building, Medical Building & Childcare, MDB Building. Also, grid dimensions were not matched with drawings for medical buildings. The building engineering is required to prepare a full set of architectural and structural drawings.

Observation-8: Lack of as-built drawings. (Security Shed)



Description: As-built drawings were not available for the shed. The building engineer is required to prepare a full set of as-built drawings with complete structural details.

Observation-9: Inadequate connection. (Security Shed)



Description: Inadequate connections were found in the Security Shed. The building engineer is required to prepare a safety check report of the structure for uplift pressure against wind.

1. Action Plan:

Item No.	Observation	Action Plan	Timeline
1.	Inconsistencies in as-built drawings and DEA report. (Main Production Building)	The building engineer is required to survey the whole structure and prepare a full set of as-built drawings as per on site condition.	within 6 weeks
2.	Inconsistencies in as-built drawings and DEA report. (Main Production Building)	The building engineer is required to address the inconsistencies in the existing DEA documents and submit to RSC for further review.	within 6 weeks
3.	Inconsistencies in as-built drawings and DEA report. (Main Production Building)	Carry out remedial work if required.	within 6 months
4.	Inconsistencies in as-built drawings and DEA report. (Main Production Building)	Implement floor load plan	within 6 months
5.	Crack on the brick wall. (Main Production Building)	The building engineer is required to investigate the reason for the crack and suggest proper remedial action accordingly.	within 6 weeks
6.	Dampness was found on the walls. (Main Production Building)	The building engineer is required to investigate the cause of the dampness and repair it using a suitable method.	within 6 weeks
7.	Non-structural elements are not anchored. (Main Production Building)	The building engineer is required to adequately anchor and brace all the nonstructural elements to avoid falling hazards during EQ.	within 6 weeks
8.	Column susceptible to trolley impact. (Main Production Building)	The building engineer is required to provide a barrier around the column to avoid trolley impact.	within 6 weeks
9.	Mismatches in as-built drawing. (Warehouse Shed)	The building engineer is required to prepare accurate as-built drawings.	within 6 weeks
10.	Mismatches in as-built drawing. (Warehouse Shed)	Building engineer is required to update EA documents addressing the mismatches and submit to RSC for further review. Also, check whether the lateral stability is compromised or not due to the changes.	within 6 weeks
11.	Mismatches in as-built drawing. (Warehouse Shed)	Carry out remedial work if required.	within 6 months
12.	Lack of information and mismatches in as-built drawing. (Boiler & Compressor Building, Sub Station & Generator Building, Medical Building & Childcare, MDB Building)	The building engineering is required to prepare a full set of architectural and structural drawings.	within 6 weeks
13.	Lack of as-built drawings. (Security Shed)	The building engineer is required to prepare a full set of as-built drawings with complete structural details.	within 6 weeks

Item No.	Observation	Action Plan	Timeline
14.	Inadequate connection. (Security Shed)	Building engineer is required to prepare a safety check report of the structure for uplift pressure of wind according to Accord Building Standards.	within 6 weeks