

Kaixi Fashion Bangladesh Co Ltd

FS-SFB # 02,DEPZ(Old Zone),Ashulia,Savar,Dhaka-1349

(23.9521950, 90.2725070)

15 November 2023



1. Building Information

Main Building: Four storied (G+3) reinforced concrete (RC) structure.

Utility Shed: Single storied shed

Security & Fire Command Shed: Single storied shed.

Fire Hydrant Shed: Single storied shed over basement.

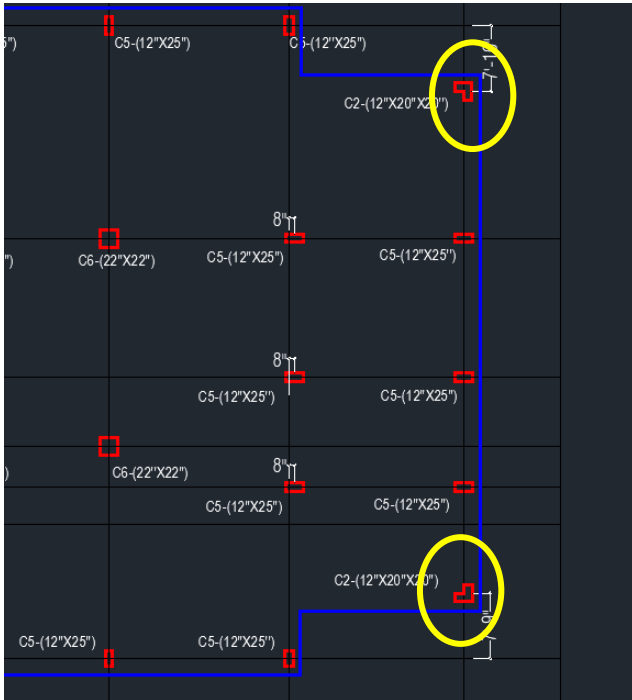
Storage & Dining Shed: Single storied shed

Substation Building: Single storied reinforced concrete (RC) structure.

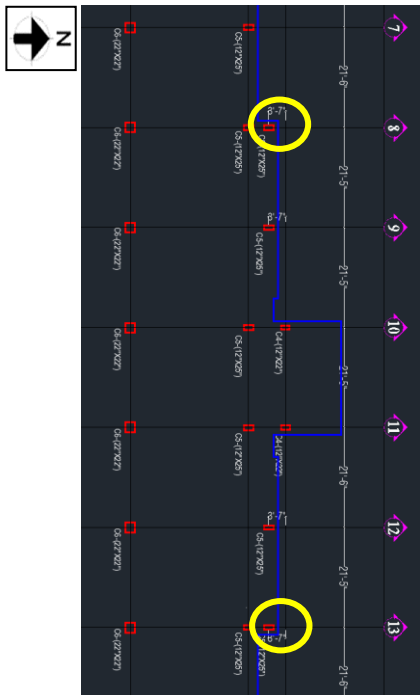
2. Observations

Main Building:

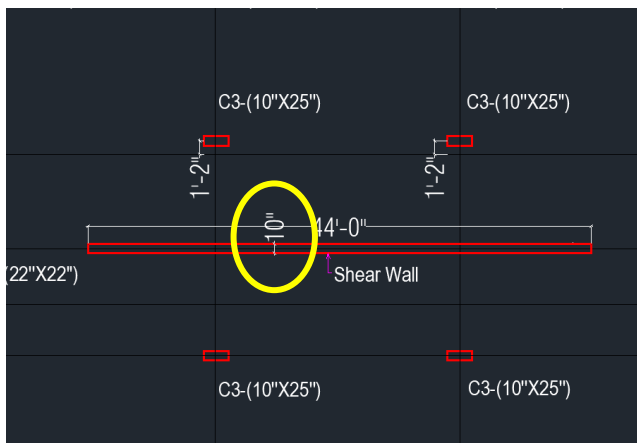
Observation-1: Discrepancy and missing information in as-built drawing (Main Building)



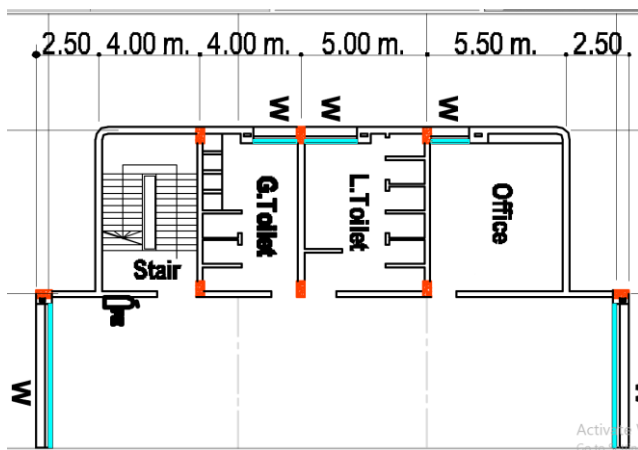
Description: L shape column is shown for each corner of the building, but arch shape column was found onsite.



Description: Marked columns were shown as 625mmX300mm in drawing but found as 625mmX250mm.



Description: Shear wall thickness was measured as 200 mm instead of 250 mm.



Description: 500 mm floor build up found in toilet area which was not shown in as built drawing.

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



Description: Crack was found on brick wall at several locations. The building engineer is required to investigate the area and repair the crack with a suitable method.

Observation-3: Column surface damage due to vehicle/trolley impact (Main Building).



Description: Column surface was found damaged due to vehicle/trolley impact. The building engineer is required to repair the damaged column and provide adequate barriers to avoid vehicle/trolley impact.

Observation-4: Nonstructural elements found not anchored/braced (Main Building).



Description: Nonstructural elements found not anchored/braced. The building engineer is required to brace/anchor all nonstructural elements including storage racks within the factory.

Utility Shed

Observation-5: Apparently inadequate connection (Utility Shed)



Description: Steel members were found inserted into brick wall therefore connection of steel members appeared to be inadequate. The building engineer is required to check the connection and suggest remedial action.

Storage & Dining Shed, Substation Room

Observation-6: Lack of lateral stability and apparently non engineered shed (Storage & Dining Shed)



Description: No lateral load transfer media was found in the storage portion. And the dining portion was apparently non-engineered. The building engineer is required to check the lateral stability and connection adequacy of the structure and prepare a design report with necessary remedial actions.

Observation-7: Lack of as-built drawing (Storage & Dining Shed, Substation Room)



Description: At the time of inspection as-built drawing of Storage & Dining Shed, Substation Room was not available onsite. The building engineer is required to produce as-built drawing of the structures.

3. Action Plan

Observation	Action Plan	Timeline
Main Building		
Discrepancy and missing information in as-built drawing (Main Building)	The building engineer is required to update as-built drawing and revise the design report with analysis accordingly.	within 6 weeks
Discrepancy and missing information in as-built drawing (Main Building)	Implement remediation work if required.	within 6 months
Crack on brick wall (Main Building)	Building engineer is required to investigate the area and repair the crack with a suitable method.	within 6 weeks
Column surface damage due to vehicle/trolley impact (Main Building)	The building engineer is required to repair the damaged column and provide adequate barriers to avoid vehicle/trolley impact.	within 6 weeks
Non-structural elements found unbraced/not anchored (Main Building)	Factory is required to brace/anchor all nonstructural elements.	within 6 months
Utility Shed		
Apparently inadequate connection (Utility Shed)	The building engineer is required to check the connection and suggest remedial action.	within 6 weeks
Apparently inadequate connection (Utility Shed)	Implement remediation work where required	within 6 months
Storage & Dining Shed, Substation Room		
Lack of lateral stability and apparently non engineered shed (Storage & Dining Shed)	The building engineer is required to check the lateral stability and connection adequacy of the shed.	within 6 weeks
Lack of lateral stability and apparently non engineered shed (Storage & Dining Shed)	Implement remediation work where required	within 6 months
Lack of as-built drawing (Storage & Dining Shed, Substation Room)	The building engineer is required to produce as-built drawings including structural connection detail.	within 6 weeks