

B2B Excellence Ltd (Extension 2)

Mirzapur Purbapara, 8 No Mirzapur Mowza, Mirzapur, Gazipur
(24.089050, 90.356431)

10 December 2023



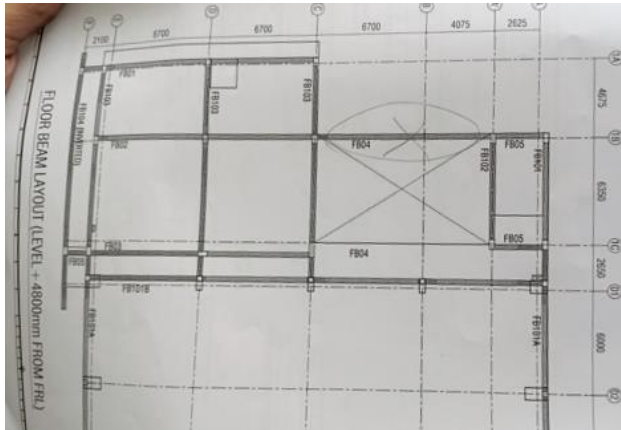
1. Building Information

Warehouse Building : Two storied (G+1) structure.

Idle Machine Shed : Single storied structure.

2. Observations:

Observation-1: Mismatch in as-built drawing. (Warehouse Building)



Beam layout plan at +4.8 m level



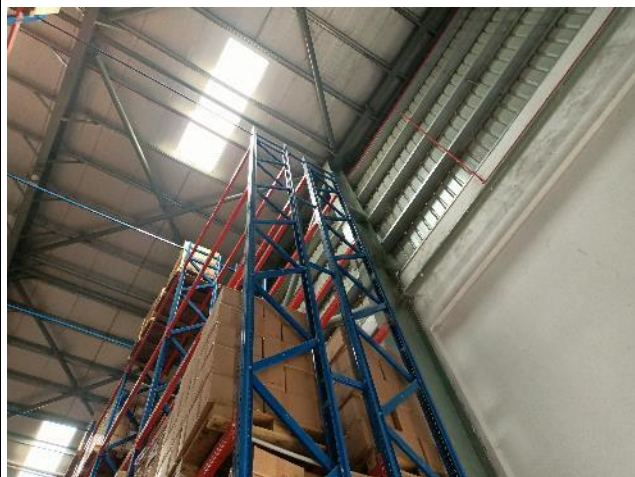
No beam at +4.8 m level

Description: At front beam was found missing in first floor level. The building engineer is required to update the as-built drawing correcting the beam layout and submit to RSC.

Observation-2: Absence of design documents. (Warehouse Building)



RC Part



Steel Part

Description: As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, design report was not available which is required to be prepared in compliance with BNBC 2020.

Observation-3: Column susceptible to vehicle/trolley impact. (Warehouse Building)



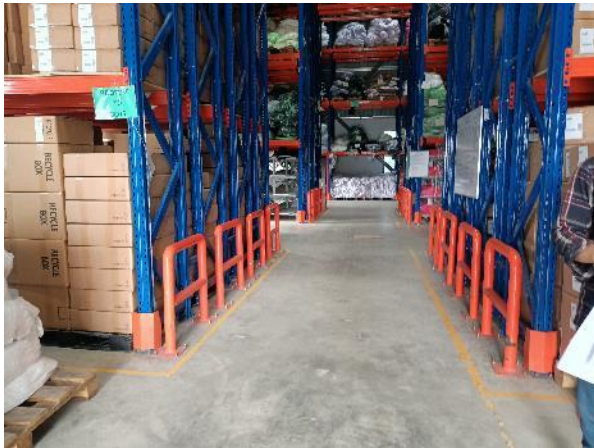
Vehicle impact risk on column



Trolley impact on column

Description: Columns on loading/unloading and ramp areas are susceptible to vehicle/trolley impact. The building engineer is required to take necessary action to provide barrier around the column to avoid vehicle/trolley impact in the columns.

Observation-4: Almost 6 m height racking system. (Warehouse Building)



Racking on floor



Racking on floor

Description: Almost 6 m height racking system was found on ground floor at shed section. The stability checks of the racking system required to be reviewed by RSC.

Observation-5: Lack of drawings. (Idle Machine Shed)



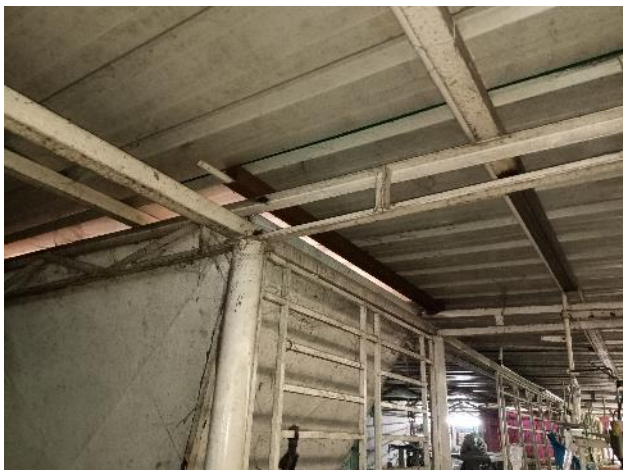
Idle Machine Shed



Framing of Idle Machine Shed

Description: Structural and architectural drawings were not found for the Idle Machine Shed. The building engineer is required to survey the structure and prepare a full set of as-built drawings in compliance with BNBC.

Observation-6: Apparently non-engineered connection. (Idle Machine Shed)



Apparently non-engineered connection



Framing of Idle Machine Shed

Description: Apparently inadequate connections were observed at the lightweight roof of the single storied Sheds. The building engineer is required to check the connection adequacy of the lightweight roof against the uplift pressure of wind.

3. Action Plan:

Items No.	Observation	Action Plan	Timeline
1.	Mismatch in as-built drawing. (Warehouse Building)	The building engineer is required to update as-built drawing with necessary connection details.	within 6 weeks
2.	Absence of design documents. (Warehouse Building)	Building is required to prepare a set of design report in compliance with BNBC.	within 6 weeks
3.		Implement remediation work if required.	within 6 months
4.	Column susceptible to vehicle/trolley impact. (Warehouse Building)	The building engineer is required to take necessary action to provide barriers around the column to avoid vehicle/trolley impact in the columns.	within 6 weeks
5.	Almost 6 m height racking system. (Warehouse Building)	The stability checks of the racking system required to be reviewed by RSC.	within 6 weeks
6.		Implement remediation work if required.	within 6 months
7.	Lack of drawings. (Idle Machine Shed)	The building engineer is required to survey the whole structure and prepare a full set of as-built drawings with connection details.	within 6 months
8.	Apparently non-engineered connection. (Idle Machine Shed)	Building engineer is required to check the connection of the steel roof for the uplift pressure of wind.	within 6 weeks
9.		Complete implementation of remedial works if required.	within 6 months