

Issue-01

05th May 2026

Danys Knit wear Limited (Extension)

Surabari, Kashimpur, Gazipur Sadar, Gazipur

(23.976669, 90.312532)

16 April 2026



1. Building Information

1)	Shed-01: Wastage & Boiler Shed	: Single storied steel shed.
2)	Shed-02: Finishing Shed	: Single storied steel shed.
3)	Shed-03: Compressor Room	: Single storied steel shed.
4)	Shed-04: MDB Room	: Single storied steel shed.
5)	Shed-05: Bonded Warehouse	: Single storied steel shed.
6)	Shed-06: Accessories Store	: Single storied steel shed.
7)	Building-03: Utility Building	: Single storied RC structure.
8)	Building-04: Pump Room	: Single storied (B+G) underground RC structure.

2. Observation

Observation-01: Non-engineered structure – inadequate member size, poor connection details, deflected and sagged members. [Shed-01]



Description: At the time of inspection, non-engineered structural system including inadequate member size, poor connection details, deflected and sagged members were observed for the mentioned structures.

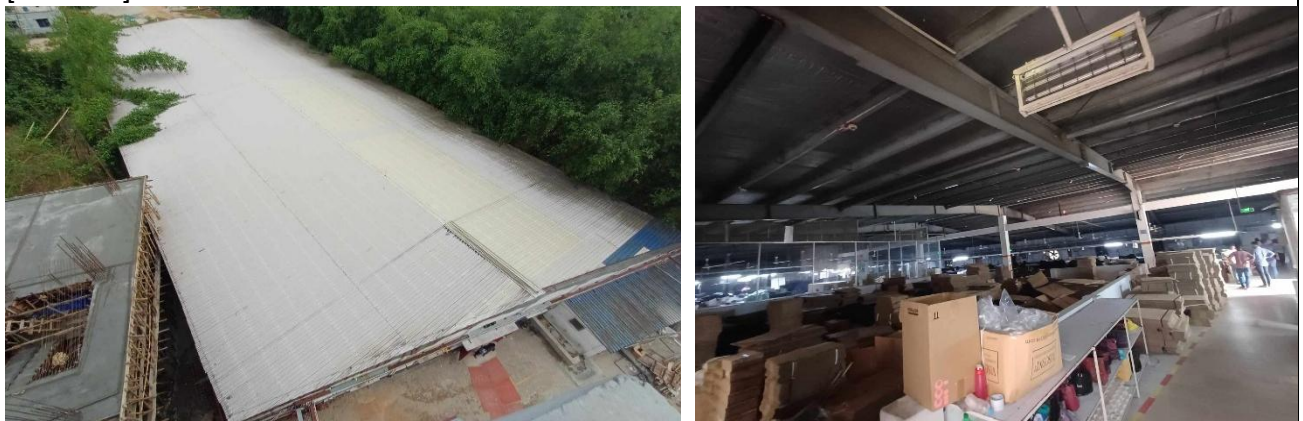
- 1) Building engineer is required to carry out Engineering Assessment (EA) to check for the member adequacy and connection details against lateral and vertical loading.
- 2) The building engineer is required to investigate the sagged and deflected members and carry out the required remedial works.

Observation-02: Unrestrained brick wall. [Shed-01]



Description: At the time of inspection, 3m to 5m high brick wall observed without head restraint. Building engineer is required to provide necessary alternatives to stabilize the unrestrained brick wall.

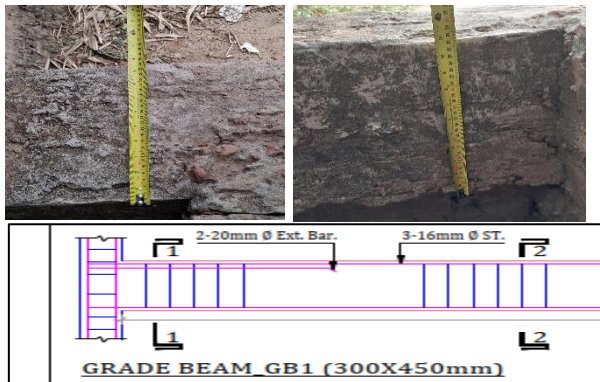
Observation-03: Lack of design report and stability system in the long direction at periphery. [Shed-02]



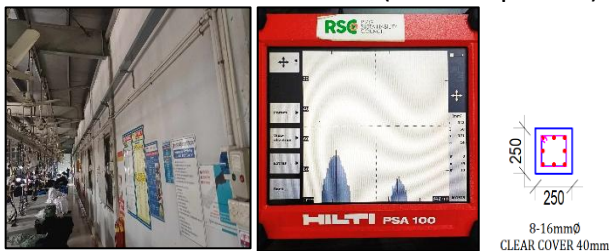
Description: Every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 & section 1.9.1.2 of BNBC (part-6).

At the time of inspection, no design report was available for captioned structure. Also, tie beam was missing in the long direction for RC columns at periphery. The building engineer is required to check the structure and prepare a set of design documents in compliance with BNBC and submit to RSC for detailed review.

Observation-04: Mismatch and lack of information in the as-built drawings. [Shed-02]



GB size found 240X270mm (without plaster)



Peripheral column re-bar profile found 2/3 instead of 3/3

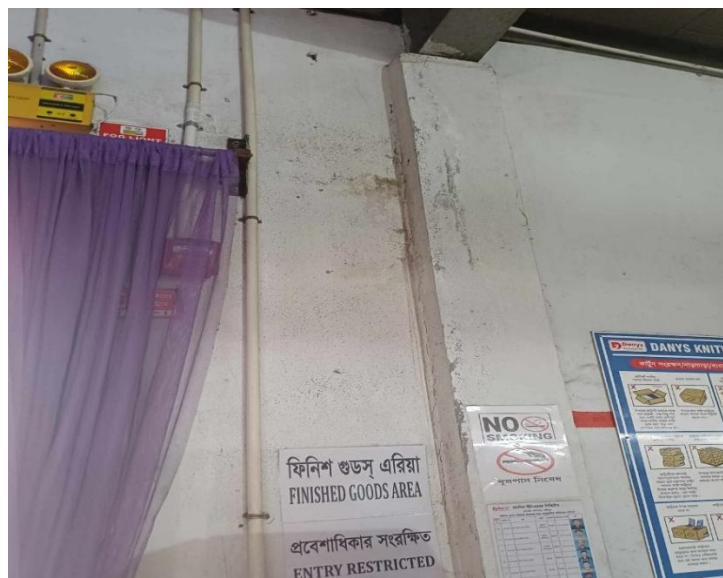


Lack information in the structural drawing for the toilet part and Spot removing shed

Description: At the time of inspection, mismatch and lack of information were observed the structure.

The building engineer is required to survey the whole structure and update the as-built drawings reflecting the on-site condition.

Observation-05: Dampness on the brick wall. [Shed-02]



Description: At the time of inspection, dampness was observed on the brick wall. The factory is required to remove the dampness with suitable method.

Observation-06: Connection gap in the rafters. [Shed-02]



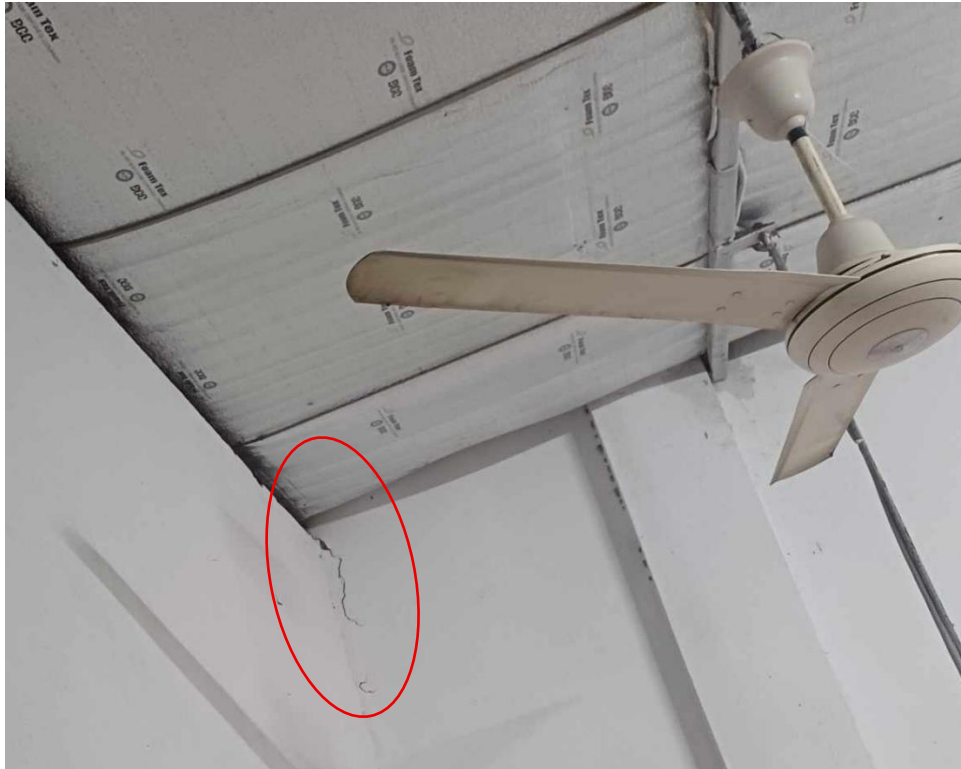
Description: At the time of inspection, connection gaps were observed on the rafters. The factory is required to fill the connection gap with a suitable method.

Observation-07: Missing bolts in the steel connections. [Shed-02]



Description: At the time of inspection, missing bolts were observed on the strut connections. The factory is required to identify the locations and install all missing bolts.

Observation-08: Crack on brick wall. [Shed-02]



Description: At the time of inspection, crack on brick wall observed on the spot removing room wall. The factory is required to repair the crack with suitable a method.

Observation-09: Inadequate member size, poor connection details. [Extension of Shed-02]



Spot Removing Room



Toilet Zone

Description: At the time of inspection, non-engineered structural system including inadequate member size, poor connection details were observed for the mentioned structure.

The building engineer is required to carry out Safety Check for members & connection adequacy.

Observation-10: Cut off plate test sample location not filled yet. [Shed-02]



Description: The sample cut for the plate test has not been filled in yet. The factory is required to fill the sample cut locations using the same type of plate section.

Observation-11: Standard construction safety practices. [Shed-02]



Description: At the time of inspection, construction safety practices were not up to the mark. i.e. inadequate fall protection, safety training influence, caution mark etc. The factory is required to follow construction safety guidelines as per the BNBC (Part-7, Chapter 3&4).

Observation-12: Inadequate member size & poor connection details. [Shed-03; Shed-04]



Shed-03: Compressor Room



Shed-04: MDB Room

Description: At the time of inspection, inadequate member size, poor connection details were observed for the mentioned structures.

The building engineer is required to carry out Safety Check for members & connection adequacy.

Observation-13: Non-engineered structure and inadequate framing in long direction. [Shed-05]



Non-engineered structure



Inadequate framing in long direction

Description: At the time of inspection, non-engineered structural system including inadequate member size, poor connection details were observed for part-2. Also, inadequate framing section size observed in the long direction.

The building engineer is required to carry out Engineering Assessment (EA) to check the member adequacy and connection details against lateral loading and vertical loading.

Observation-14: Lack of design report and stability in long direction. [Shed-06]



Description: 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 & section 1.9.1.2 of BNBC (part-6).

At the time of inspection, no design report was available for the captioned structure. Also, vertical bracing was missing in the long direction. The building engineer is required to check the structure and prepare a set of design documents in compliance with BNBC and submit to RSC for detailed review.

Observation-15: Cut off plate test sample location not filled yet. [Shed-06]



Description: The sample cut for the plate test has not been filled in yet. The factory is required to fill the sample cut locations using the same type of plate section.

Observation-16: Anchorage of non-structural elements. [Shed-06]



Description: At the time of inspection, anchorage was missing at some storage racks. Non-structural elements suspended from, attached to, or resting atop the structure shall be adequately anchored and braced to resist earthquake forces.
The factory is required to brace/anchor all non-structural elements.

Observation-17: Less pedestal column support on the baseplate. [Shed-06]



Description: At the time of inspection, steel column baseplate was observed displaced and less support on the RC pedestal columns.
The building engineer is required to check the adequacy of the connection of the base plate and pedestal columns.

Observation-18: Non-engineered structure – inadequate member size, poor connection details, deflected and sagged members. [Canopy of Shed-06]



Description: At the time of inspection, non-engineered structural system including inadequate member size, poor connection details, deflected and sagged members were observed for the mentioned structures.

- 1) Building engineer is required to carry out Engineering Assessment (EA) to check for the member adequacy and connection details against lateral and vertical loading.
- 2) The building engineer is required to investigate the sagged and deflected members and carry out the required remedial works.

Observation-19: Heat damage to the roof slab. [Utility Building]



Description: At the time of inspection, heat damage was observed on the roof slab. The building engineer is required to investigate heat damage and carry out the required NDT including carbonation test. Prepare and submit the investigation report with remedial action to the RSC.

Observation-20: Lack of design report. [Pump Room]



UGWR top slab



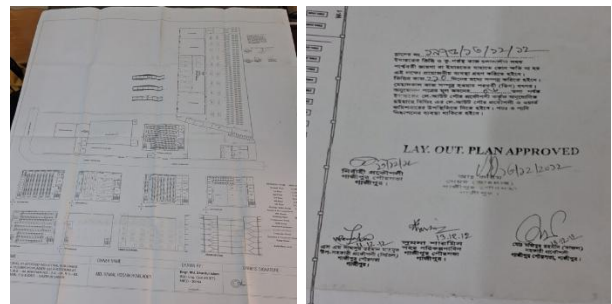
Description: Every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 & section 1.9.1.2 of BNBC (part-6).

Parking was observed on the ground slab of the pump room and underground water reservoir. At the time of inspection, no design report was available for the captioned structure. The building engineer is required to prepare a set of design documents including floor load plan for parking zone in compliance with BNBC and submit to RSC for detailed review.

Observation-21: Validity and duration of building permit. [Shed-01, Shed-02, Shed-06, Building-3]

3.2.7 Duration of Permit

Works for which permit has been obtained under the provisions of this Code shall be valid for a duration of 5 years. For projects of exceptionally large magnitude the Building Official may extend the duration of such permit. On expiry of a permit, the owner shall obtain a fresh permit which may be granted by the Building Official on satisfaction of the provisions of the version of the Code in force at that time.



BNBC 2006: Duration of the building permit

All structure permit on December-2012

Description: The construction was started after 2018 for Shed-01, Shed-02, Shed-06, and Building-3. However, the building permit was taken on December-2012. So, the mentioned structures were constructed after the validity period of the building permit.

The factory is required to obtain fresh permit from the local authority, the structures shall be subjected to reassessment based on the obtained Building permit in accordance with the applicable provisions of the Code.

3. Action Plan

Item No	Observation	Action Plan	Timeline
1.	Non-engineered structure – inadequate member size, poor connection details, deflected and sagged members. [Shed-01]	Building engineer is required to carry out engineering assessment (EA) to check the member adequacy and connection details against lateral loading and vertical loading.	within 6 weeks
2.		The building engineer is required to investigate the sagged and deflected members and carry out the required remedial works.	within 6 weeks
3.		Implement the recommendations of the EA after acceptance from RSC.	within 6 months
4.	Unrestrained brick wall. [Shed-01]	Building engineer is required to provide necessary alternatives to stabilize the unrestraint brick wall.	within 6 weeks
5.	Lack of design report and stability system in the long direction at periphery. [Shed-02]	The building engineer is required to check the structure and prepare a set of design documents in compliance with BNBC and submit to RSC for detailed review.	within 6 weeks
6.		Implement the recommendations of the design documents after acceptance from RSC.	within 6 months
7.	Mismatch and lack of information in the as-built drawings. [Shed-02]	The building engineer is required to survey the whole structure and update the as-built drawings reflecting the on-site condition.	within 6 weeks
8.	Dampness on the brick wall. [Shed-02]	The factory is required to remove the dampness with suitable method.	within 6 weeks
9.	Connection gap in the rafters. [Shed-02]	The factory is required to fill connection gaps with a suitable method.	within 6 weeks
10.	Missing bolts in the steel connections. [Shed-02]	The factory is required to identify the locations and install all missing bolts.	within 6 weeks

Item No	Observation	Action Plan	Timeline
11.	Crack on brick wall. [Shed-02]	The factory is required to repair the crack with a suitable method.	within 6 weeks
12.	Inadequate member size, poor connection details. [Extension of Shed-02]	The building engineer is required to carry out Safety Check for member & connection adequacy.	within 6 weeks
13.		Implement the recommendations of Safety Check report after acceptance from RSC.	within 6 months
14.	Cut off plate test sample location not filled yet. [Shed-02]	The factory is required to fill the sample cut locations using the same type of plate section.	within 6 weeks
15.	Standard construction safety practices. [Shed-02]	The factory is required to follow construction safety guidelines as per the BNBC (Part-7, Chapter 3&4).	within 6 weeks
16.	Inadequate member size & poor connection details. [Shed-03]	The building engineer is required to carry out Safety Check for members & connection adequacy.	within 6 weeks
17.		Implement the recommendations of Safety Check report after acceptance from RSC.	within 6 months
18.	Inadequate member size & poor connection details. [Shed-04]	The building engineer is required to carry out Safety Check for members & connection adequacy.	within 6 weeks
19.		Implement the recommendations of Safety Check report after acceptance from RSC.	within 6 months
20.	Non-engineered structure and inadequate framing in long direction. [Shed-05]	Building engineer is required to carry out EA to check the member adequacy and connection details against lateral and vertical loading.	within 6 weeks
21.		Implement the recommendations of the EA after acceptance from RSC.	within 6 months

Item No	Observation	Action Plan	Timeline
22.	Lack of design report and stability in long direction. [Shed-06]	The building engineer is required to check the structure and prepare a set of design documents in compliance with BNBC and submit to RSC for detailed review.	within 6 weeks
23.		Implement the recommendations of the design documents after acceptance from RSC.	within 6 months
24.	Cut off plate test sample location not filled yet. [Shed-06]	The factory is required to fill the sample cut locations using the same type of plate section.	within 6 weeks
25.	Anchorage of non-structural elements. [Shed-06]	The factory is required to brace/anchor all non-structural elements.	within 6 weeks
26.	Less pedestal column support on the baseplate. [Shed-06]	The building engineer is required to check the adequacy of the connection between the base plate and pedestal columns and submit to RSC for detailed review.	within 6 weeks
27.		Implement the recommendations after acceptance from RSC.	within 6 months
28.	Non-engineered structure – inadequate member size, poor connection details, deflected and sagged members. [Canopy of Shed-06]	Building engineer is required to carry out engineering assessment (EA) to check the member adequacy and connection details against lateral and vertical loading.	within 6 weeks
29.		The building engineer is required to investigate the sagged and deflected members and carry out the required remedial works.	within 6 weeks
30.		Implement the recommendations of the EA after acceptance from RSC.	within 6 months

Item No	Observation	Action Plan	Timeline
31.	Heat damage to the roof slab. [Utility Building]	The building engineer is required to investigate the heat damage and carry out the required NDT tests. Prepare and submit the investigation report to the RSC.	within 6 weeks
32.		Carry out the remedial works as per the recommendations of investigation report after acceptance from RSC.	within 6 months
33.	Lack of design report. [Pump Room]	The building engineer is required to prepare a set of design documents in compliance with BNBC and submit to RSC for detailed review.	within 6 weeks
34.		Produce and actively manage a set of floor loading plan considering foundation, column and floor capacity.	within 6 weeks
35.		Implement the recommendations of the design report after acceptance from RSC.	within 6 months
36.	Validity and duration of building permit. [Shed-01, Shed-02, Shed-06, Building-3]	The factory is required to obtain fresh permit from the local authority, the structures shall be subjected to reassessment based on the obtained Building permit in accordance with the applicable provisions of the Code.	within 6 months