

Knit Radix Limited (Extension)

Shasongaon, Panchabati to Boktaboli Road, Enayatnagar,
Fatullah, Narayanganj, Dhaka, Bangladesh.

(23.625455, 90.470965)

12 September 2024

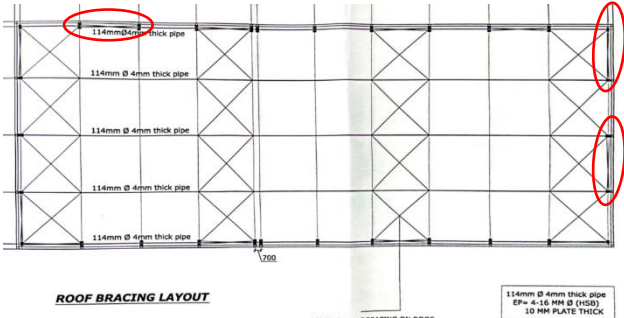


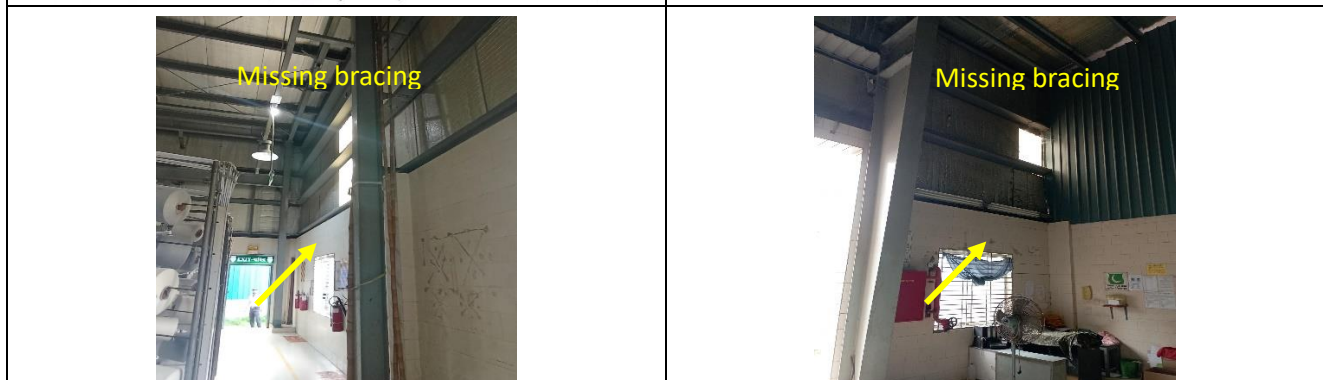
1. Building Information

1. Shed-1: Single-storied prefabricated steel shed.

2.Observation

Observation 1: Discrepancy and missing information in the provided drawing (Shed-1).

PROJECT NAME 19800 SFT STEEL SHED CLIENT KNIT RADIX LTD. LOCATION NARAYANGANJ STEEL MARK BUILDINGS 17/13, THIRD FLOOR PARIBAG, SONARGACHAN ROAD, Phone: (+8802)8652380, (+8802)8653260, Fax: (+8802)8653452 Email: mailbox@steelmarkbuildings.com Website: www.steelmarkbuildings.com DRAWN BY ROWSHON ARA PARVIN (RITA) DESIGNED BY Engr. AHASAN HABIB B.S.C. (CIVIL ENGINEERING) CHECKED BY Engr. MAHBUBUR RAHMAN B.S.C. (CIVIL ENGINEERING) STEEL STRUCTURE DRAWING	 ROOF BRACING LAYOUT
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Description: Vertical bracing was missing at marked locations therefore bracing system was not found symmetric. Besides, RC details of the substructure were missing from the provided drawing. The building engineer is required to update the as-built drawings as per 1.9.1 BNBC (Part 6). Also, check the lateral stability of the structure and propose a remediation plan.

Observation 2: Lack of design documents (Shed-1).



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, the design report and soil test report were not available. The factory is required to engage a geotechnical engineer to prepare a set of soil test reports. Also, the building engineer is required to prepare a set of design reports as per 1.9.1 BNBC (Part 6).

Observation-3: Nonstructural elements found not anchored/braced (Shed-1).



Description: Nonstructural elements (storage racks and plastic water tank) were found not anchored/braced. The building engineer is required to anchor/brace all nonstructural elements within the factory.

3.Action Plan

Item No.	Observation	Action Plan	Timeline
1.	Discrepancy and missing information in the provided drawing (Shed-1).	The building engineer is required to update the as-built drawings as per 1.9.1 BNBC (Part 6).	within 6 weeks
		Also, check the lateral stability of the structure and propose a remediation plan.	within 6 weeks
2.	Lack of design documents (Shed-1).	The factory is required to engage a geotechnical engineer to prepare a set of soil test reports.	within 6 weeks
		Also, the building engineer is required to prepare a set of design reports as per 1.9.1 BNBC (Part 6).	within 6 weeks
		Implement remediation work if required.	within 6 months
3.	Nonstructural elements found not anchored/braced (Shed-1).	The building engineer is required to anchor/brace all nonstructural elements within the factory.	within 6 weeks