

J.K. KNIT COMPOSITE LIMITED (EXTENSION 2)

10/1, South Dariapur, Savar, Dhaka

(23.834640, 90.255159)

6 October 2025

Structural Inspection Report

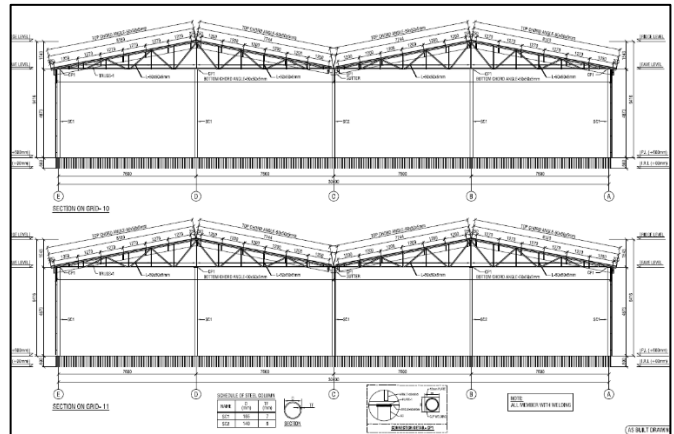


1. Building Information:

All Over Print (AOP) Shed Single storied steel shed.

2. Observations

Observation-01: Inadequate as built drawings. (All Over Print (AOP) Shed).



Description: In available structural drawing, no connection details were available like connection plate dimensions, thickness, welding details etc. The building engineer is required to survey the whole structure and prepare full set of credible as-built drawings.

Observation-02: Lack of design report, material test report, soil test report and lateral stability. (All Over Print (AOP) Shed).



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 2020. At the time of inspection, a set of as-built drawings were available for existing structure. However, any construction drawing, design report and soil test report were not available. Also, no in-situ material test report (steel plate test report) was available. In addition, any vertical or horizontal bracing and any compression member was not available. So lateral load carrying system was not clear.

The building engineer is required to verify in situ material test, soil test report, check the lateral stability and prepare an Engineering Assessment (EA) report, load plan and proper remediation plan (if required) and submit to RSC for review.

Observation-03: Non-structural elements not anchored or braced. (All Over Print (AOP) Shed)



Description: Some racks on floors are not anchored or braced to resist lateral forces. The factory is required to anchor/brace all non-structural elements adequately to resist lateral forces.

3. Action Plan

Item No	Observation	Action Plan	Timeline
1.	Lack of design report, material test report, soil test report and lateral stability. (All Over Print (AOP) Shed).	Verify in-situ material strength test to confirm steel member strength.	within 6 weeks
2.		Prepare geotechnical investigation report to perform foundation adequacy check.	within 6 weeks
3.		Building engineer is required to check the lateral stability of the structure and submit the engineering assessment for whole structure for lateral loading to RSC for review.	within 6 weeks
4.		Carry out remedial work if required.	within 6 months
5.	Inadequate as built drawings. (All Over Print (AOP) Shed).	The building engineer is required to survey the structures and prepare comprehensive as built drawings.	within 6 weeks
6.	Non-structural elements not anchored or braced. (All Over Print (AOP) Shed).	The factory is required to anchor/brace all non-structural elements adequately to resist earthquake forces.	within 6 weeks