

Square Fashions Limited (New Extension)

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(24.292326, 90.385091)

21 March 2024



1. Building Informaton

1. **Building-3:** The structure is a 4-storied (G+3) reinforced concrete (RC) building.
2. **Building-8:** The structure is a 5-storied (G+4) prefabricated steel building with five reinforced concrete (RC) blocks.
3. **Building-9:** This structure is a four (G+3) storied Reinforced Concrete (RC) building.
4. **Building-11:** This structure is a three (G+2) storied Reinforced Concrete (RC) building.
5. **Building-12:** This is a two-storied (G+1) RC Structure.
6. **Building-14:** This structure is a five (G+4) storied Reinforced Concrete (RC) building.
7. **Building-18:** This is a single-storied RC Structure.
8. **Building-19:** The structure is a partially 2-storied (G+1) reinforced concrete (RC) building.

2. Observations

Observation-1: Lack of design report (Building-3).



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 section 1.9.1.1 (part-6, BNBC).

Observation-2: Lack of design report (Building-8).



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, any design report was not available, which is required to be prepared in compliance with section 1.9.1.1 (part-6, BNBC). The rooftop helipad and raised floor are to be considered in the design report.

Observation 3: Undocumented steel connection bridge (Building-8).



Description: The connection bridge is structurally connected to the building on the east, which is not shown in the drawing. The building engineer is required to update the drawing and check the connection and lateral stability of the bridge along with the main building.

Observation 4: Missing nut/bolts and over-slotted connections (Building-8).



Description: Missing nuts/bolts and over-slotted connections were observed in several locations of the building. The building engineer is required to repair the connections and check the adequacy as well.

Observation 5: Dampness and corrosion on steel deck floor/beams (Building-8).



Description: Dampness and corrosion on steel deck floor/beams were observed in several locations of the building. The building engineer is required to repair these with a suitable method.

Observation-6: Lack of design documents (Building-9).



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 section 1.9.1.1 (part-6, BNBC).

Observation 7: Lack of design documents (Building-11).



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/as-built drawing was not available which is required to be prepared in compliance with section 1.9.1 (part-6, BNBC).

Observation-8: Lack of as-built drawing (Building-11).



Description: During inspection, only partial construction drawing was available. However, no as-built drawing for Building-11 was available on site. The building engineer is required to prepare as-built drawings as per accurate on-site conditions.

Observation 9: Lack of design documents (Building-12).



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/as-built drawing was not available which is required to be prepared in compliance with BNBC.

Observation 10: Lack of design documents (Building-14).



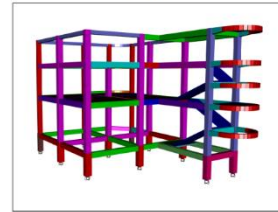
Description: As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, design report/as-built drawing was not available which is required to be prepared in compliance with section 1.9.1 (part-6, BNBC).

Observation-11: The building is to be checked against lateral loading (Building-18).



**DESIGN REPORT OF SUB-STATION BUILDING OF
SQUARE FASHIONS LIMITED**

Project: 2-Storey Sub-Station Building (Building-18)
Location: Zomada, Habarun, Bhadrak, Mysore
Client: Square Fashions Ltd
Date: October 2023
Revision: 0



Submitted by:



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Description: A design report was available on-site at the time of inspection. Because of the requirement of lateral loading, the building engineer is required to submit the design report to RSC for further review.

Observation 12: Falling hazard (Building-18).



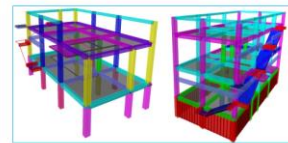
Description: The stair railing was missing. The building engineer is required to provide a railing to protect against falling hazards.

Observation-13: The building to be checked against lateral loading (Building-19).



**DESIGN REPORT OF UTILITY BUILDING
(EXTENSION) OF SQUARE FASHIONS LIMITED**

Project: 3-Storey Utility Building (Extension) (Building-19)
Location: Zamarda, Habarbar, Bhahika, Myanmar
Client: Square Fashions Ltd
Date: March 2022
Revision: 0



Submitted by:



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Description: At the time of inspection, a design report was available on site. The building engineer is required to submit the design report to RSC for further review for the requirement of lateral loading.

3. Action Plan:

Observation	Action Plan	Timeline
Lack of design report (Building-3).	At the time of inspection, a design report was not available, which is required to be prepared in compliance with section 1.9.1.1 (part-6, BNBC).	within 6 weeks
Lack of design report (Building-3).	Implement remedial work if required.	within 6 months
Lack of design report (Building-8).	At the time of inspection, design report was not available which is required to be prepared in compliance with section 1.9.1.1 (part-6, BNBC). The rooftop helipad and raised floor are to be considered in the design report.	within 6 weeks
Lack of design report (Building-8).	Implement remedial work if required.	within 6 months
Undocumented steel connection bridge (Building-8).	The building engineer is required to update the drawing and check the connection and lateral stability of the bridge along with the main building	within 6 weeks
Undocumented steel connection bridge (Building-8).	Implement remedial work if required.	within 6 months
Missing nuts/bolts and over-slotted connections (Building-8).	The building engineer is required to repair the connections and check the adequacy as well.	within 6 weeks
Dampness and corrosion on steel deck floor/beams (Building-8).	The building engineer is required to seal the source of water and repair the dampness/corrosion with a suitable method.	within 6 weeks
Lack of design documents (Building-9).	At the time of inspection, design report was not available which is required to be prepared in compliance with section 1.9.1 (part-6, BNBC).	within 6 weeks
Lack of design documents (Building-9).	Implement remedial work if required.	within 6 months
Lack of design documents (Building-11).	At the time of inspection, design report was not available which is required to be prepared in compliance with section 1.9.1 (part-6, BNBC).	within 6 weeks
Lack of design documents (Building-11).	Implement remedial work if required.	within 6 months

Lack of as-built drawing (Building-11).	The building engineer is required to prepare as-built drawings as per accurate on-site condition.	within 6 weeks
Lack of design documents (Building-12).	At the time of inspection, design report/as-built drawing was not available which is required to be prepared in compliance with section 1.9.1 (part-6, BNBC).	within 6 weeks
Lack of design documents (Building-12).	Implement remedial work if required.	within 6 months
Lack of design documents (Building-14).	At the time of inspection, design report/as-built drawing was not available which is required to be prepared in compliance with section 1.9.1 (part-6, BNBC).	within 6 weeks
Lack of design documents (Building-14).	Implement remedial work if required.	within 6 months
The building is to be checked against lateral loading (Building-18).	The building engineer is required to submit the design report to RSC for further review for the requirement of lateral loading.	within 6 weeks
The building is to be checked against lateral loading (Building-18).	Implement remedial work if required.	within 6 months
Falling hazard (Building-18).	The building engineer is required to provide a railing to protect against falling hazards.	within 6 weeks
The building to be checked against lateral loading (Building-19).	The building engineer is required to submit the design report to RSC for further review for the requirement of lateral loading.	within 6 weeks
The building to be checked against lateral loading (Building-19).	Implement remedial work if required.	within 6 months