

Southern Services Ltd (Extension 2)

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(23.909474, 90.318330)

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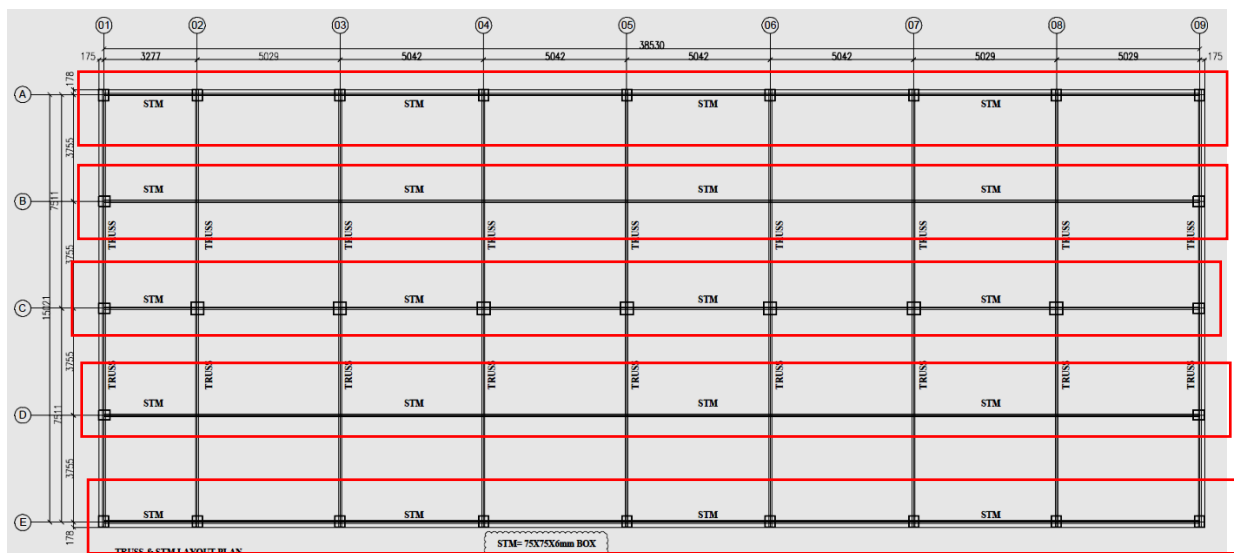


1. Building Information

1. This is a single-storied steel shed.

2. Observations

Observation-1: Lack of lateral stability system (bracing & strut along the ridge). (Building 2)



Compression strut layout plan

Description: Lateral load transfer media compression struts were missing along the ridge. So, the lateral stability of the structure is questionable. A design report was available for the building. The design report did not incorporate the adequacy of steel members' connections. However, the building engineer is required to incorporate an adequacy check of steel member's connections in the design report including the review against lateral loading, and submit it to RSC for detailed review. Once the review of design documents is finalized, implement the proposed remedial works (if any).

Observation-2: Nonstructural elements found not anchored/braced (Building 2)



Description: Non-structural elements suspended from, attached to, or resting atop the structure shall be adequately anchored and braced to resist earthquake forces. Factory is required to brace/anchor all non-structural elements (storage racks).

3. Action Plan

Item No.	Observation	Action Plan	Timeline
01	Lack of lateral stability system (bracing & strut along the ridge) (Building 2)	The design report needs to be reviewed against lateral loading, incorporate the connection adequacy check in the design report, and submit it to the RSC for detailed review.	within 6 weeks
02		Carry out the suggested remedial works.	within 6 months
03	Nonstructural elements found not anchored/braced (Building 2)	Factory is required to brace/anchor all non-structural elements.	within 6 months