

Southern Services Ltd (Extension)

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(23.909522, 90.318592)

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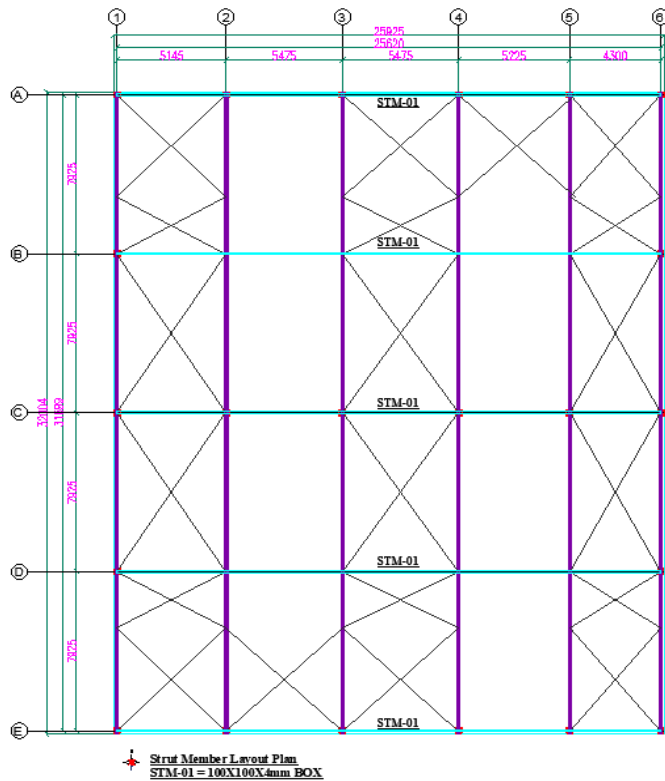


Building Information

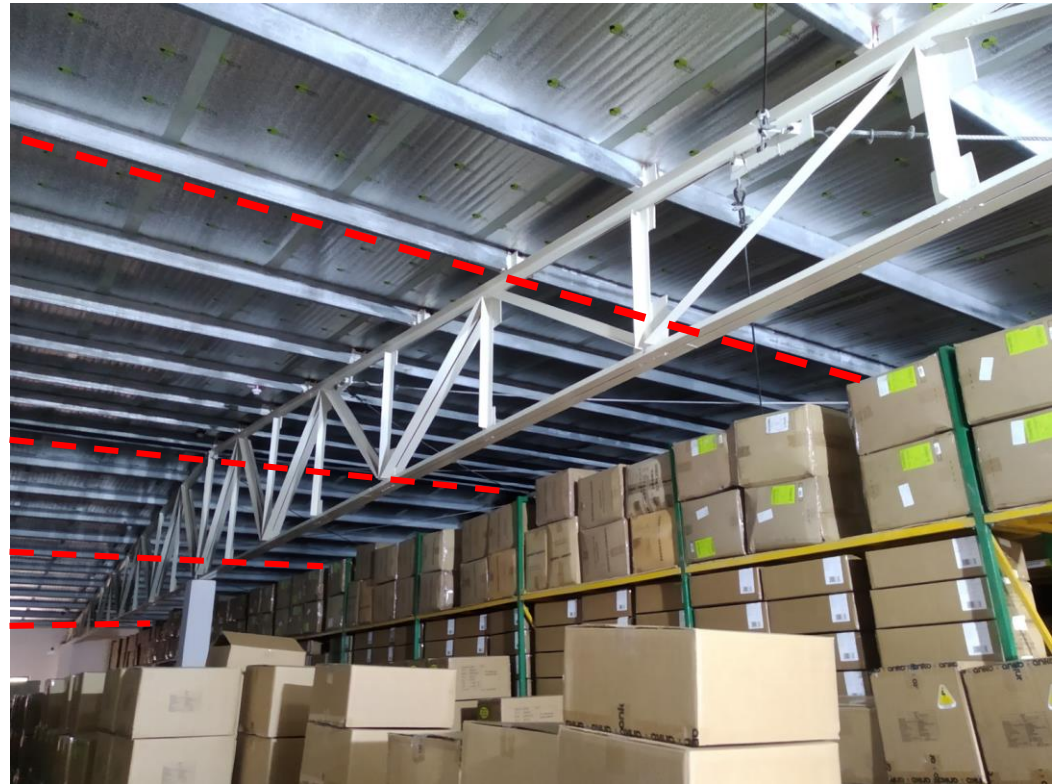
Shed 03: The structure is single storied steel shed.

Observations

Lack of lateral stability in long direction



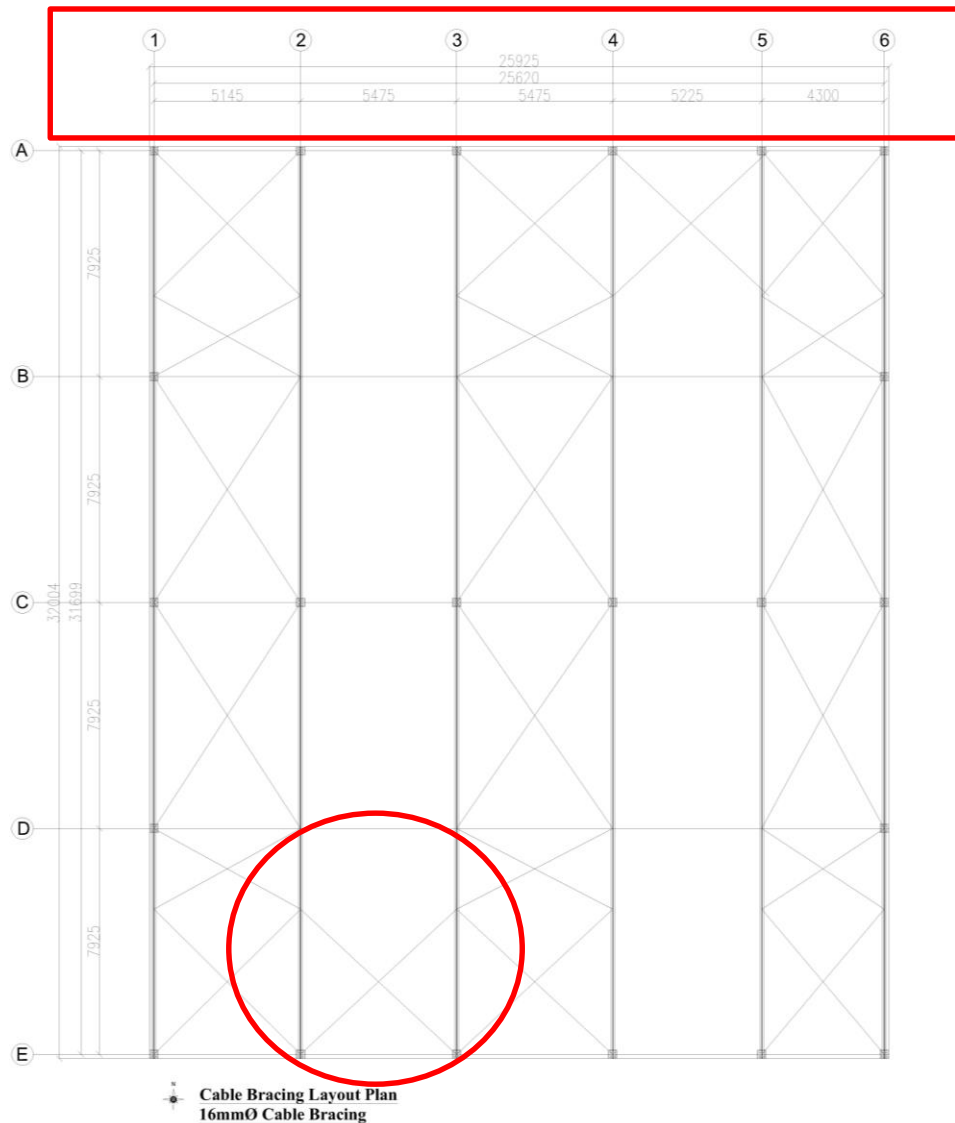
Continuous compression member
shown in the as-built drawing



Absence of continuous compression member at the shed

The building engineer is required to review the lateral stability of the shed.

Inconsistences in as-built drawing



Grid dimension not
matched with the drawing

16 mm cable bracing shown in drawing but on site
12 mm bracing found



12 mm Cable Bracing

Observation

Trolly impact on columns



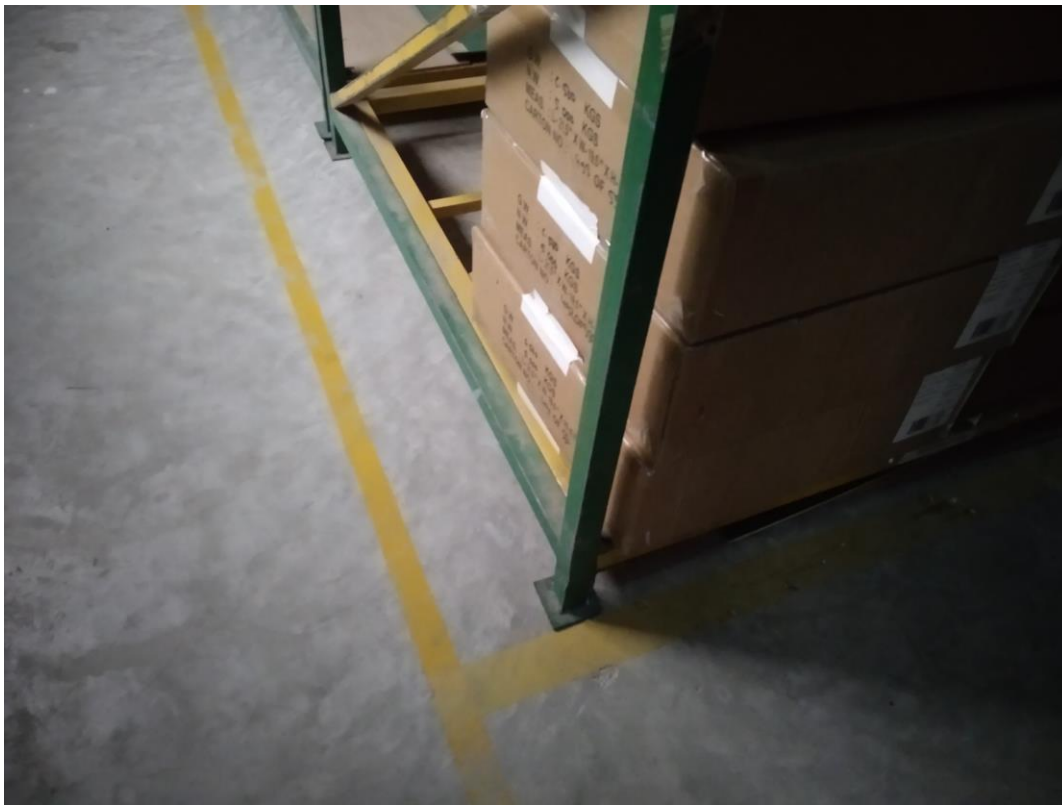
Column damaged by the trolley movement

Trolley impact was observed in the columns. Building engineer is required to repair the damaged columns and provided safety barrier surrounding the columns.

Storage rack not anchored or braced



Storage Rack



Storage Rack not anchored with ground floor slab

Storage rack not anchored with ground floor slab to protect the thrust of earthquake. Building engineer is required to anchor the storage racks with ground floor slab properly.

Problems Observed

Item 1: Lack of lateral stability in long direction.

Item 2: Inconsistences in as-built drawing.

Item 3: Trolly impact on columns.

Item 4: Storage rack not anchored or braced.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Lack of lateral stability in long direction.	Building engineer is required to review the lateral stability of the shed and suggest necessary remedial action.	6-weeks
02	Lack of lateral stability in long direction.	Carry out remedial works where required.	6-months
03	Inconsistences in as-built drawing.	Building engineer is required to survey the whole structure and prepare as-built drawings.	6-weeks
04	Trolly impact on columns.	Building engineer is required to repair the damaged columns and provided safety barrier surrounding the columns.	6-weeks
05	Storage rack not anchored or braced.	Building engineer is required to anchor the storage racks with ground floor slab properly.	6-weeks