

PNG (BD) LTD. (NEW SHED)

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(22.9414841, 91.5560009)

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Building Information:

- 1. Store Shed:** Single-storied steel shed.

Observations

Design report not available

Observation: Store Shed



Store Shed

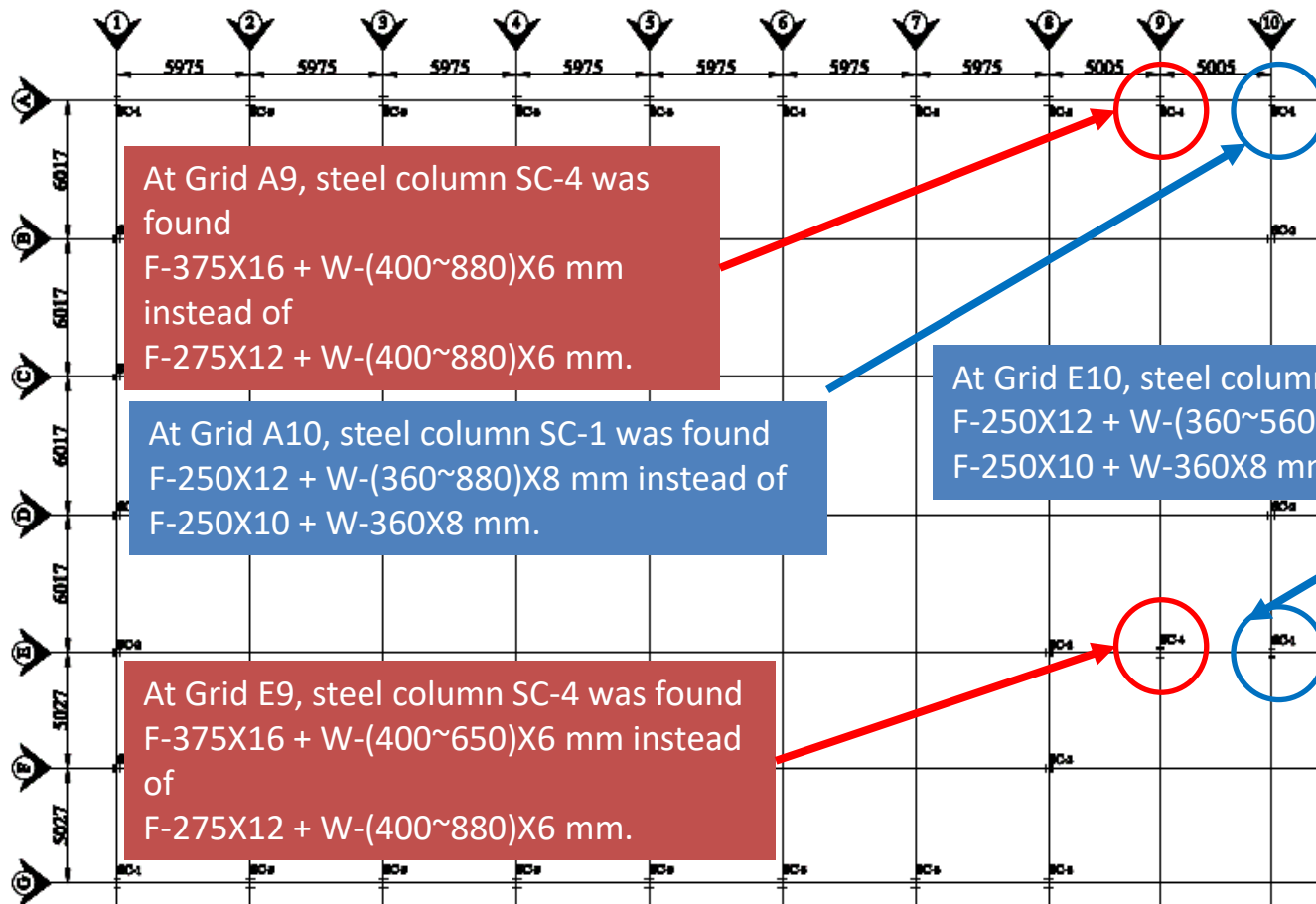
As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC.

At the time of inspection, the design report was not available which is required to be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 of BNBC (part-6).

Observation: Store Shed

Discrepancy in as-built drawing

Observation: Store Shed



Steel Column Layout

STEEL COLUMN NAME	SIZE AT PL LEVEL(+0 mm)				SIZE AT +4890 mm LEVEL				SIZE AT +5970 mm LEVEL & ABOVE				SECTION
	FLANGE	THICKNESS	WEB	THICKNESS	FLANGE	THICKNESS	WEB	THICKNESS	FLANGE	THICKNESS	WEB	THICKNESS	
SC-1	250 mm	10 mm	360 mm	8 mm	250 mm	10 mm	360 mm	8 mm	250 mm	10 mm	360 mm	8 mm	
SC-2	275 mm	10 mm	290 mm	8 mm	275mm	10 mm	290 mm	8 mm	275 mm	10 mm	290 mm	8 mm	
SC-3	375 mm	16 mm	425 mm	14 mm	375mm	16 mm	880 mm	14 mm	375 mm	16 mm	840 mm	14 mm	
SC-4	275 mm	12 mm	400 mm	6 mm	275mm	12 mm	880 mm	6 mm	275 mm	12 mm	840 mm	6 mm	

Steel column schedule according to provided as-built drawing

Observation: Store Shed



At Grid A9, steel column was found F-375X16 + W-(400~880)X6 mm instead of F-275X12 + W-(400~880)X6 mm.

At Grid E9, steel column was found F-375X16 + W-(400~650)X6 mm instead of F-275X12 + W-(400~880)X6 mm.

Building Engineer is required to survey the whole structure and to prepare accurate as-built drawing.

Observation: Store Shed

Crack observed on the ground slab & wall

Observation: Store Shed



Crack was observed on the ground slab and walls. Building Engineer is required to investigate the reason of the crack and suggest remedial action.

Problems Observed

Store Shed:

Item 01: Design report not available.

Item 02: Discrepancy in as-built drawing.

Item 03: Crack observed on the ground slab & wall.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Design report not available.	Building engineer is required to prepare design report in compliance with section 1.9.1 of BNBC (part-6).	6-weeks
02	Design report not available.	Implement the recommendation of the design report.	6-months
03	Discrepancy in as-built drawing.	Building engineer is required to survey the structure & prepare accurate as-built drawings with structural details.	6-weeks
04	Crack observed on the ground slab & wall	Building engineer is required to investigate the reason of the crack and prepare an investigation with required remedial action.	6-weeks
05	Crack observed on the ground slab & wall	Carry out remedial work where required.	6-months