



Farkantex Ltd.(New Shed)

SECTOR # 5(A), PLOT #1&2, C.E.P.Z , CHATTOGRAM-4223

Co-ordinates: 22.2929785N ,91.7727128E

26th September 2019





Observations



Foundation Check for Proposed Mezzanine Floor

Observations: Shed 2 (New)



MEZZANINE BEAM CONNECTION DETAILS CONTINUED

All Bolts A 325 N

Beams: $F_y = 34 \text{ KN/cm}^2$; $F_u = 44.8 \text{ KN/cm}^2$

End Plate: 10mm thick; $F_y = 34.5 \text{ KN/cm}^2$; $F_u = 44.8 \text{ KN/cm}^2$

Welding using E70XX Electrode; Weld Size = Beam Web thickness (but $\leq 5 \text{ mm}$)

Type	Bolt Diameter	End Connection Capacity, KN		Type	Bolt Diameter	End Connection Capacity, KN	
		Beam Web Thk. : 4 mm	Beam Web Thk. : 5 mm.			Beam Web Thk. : 4 mm	Beam Web Thk. : 5 mm.
MZE-002	3/4"	114	141	MZE-004	3/4"	158	197

(4) 3/4" x 51 A325 BOLTS

(6) 3/4" x 51 A325 BOLTS

MZE-	3/4"	202 for	252 for	MZE-	3/4"	307 for 5	368 for 6	413 for 8
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Section 3 : Design Reference Tables and Computer Explanation

- * Type "S" Panel Properties and Load Table
- * Z Shape Purlin Properties and Design Table
- * Z Shape Girt Properties and Design Table
- * End Wall Girt Design Table
- * Z Shape Purlin and Girt lap details
- * [Shape Properties
- * Eave Strut Properties
- * Eave Strut Capacity Table
- * How ASFAD Works
- * Rigid Frame Connection Details
- * Type "K" Panel properties load table
- * Mezzanine Joists Design Table
- * Mezzanine Joist Connections
- * Mezzanine Beam Design Table
- * Mezzanine Beam Connection Details

The design report shows mezzanine deck for Shed 2. In the case the factory decides to build a mezzanine floor in future, as-built drawings of mezzanine floor and detailed foundation calculation are required to be submitted to ACCORD prior to construction.

Observations: Shed 2 (New)



Non-engineered Shed

Observations: Dining Shed



Dining Shed



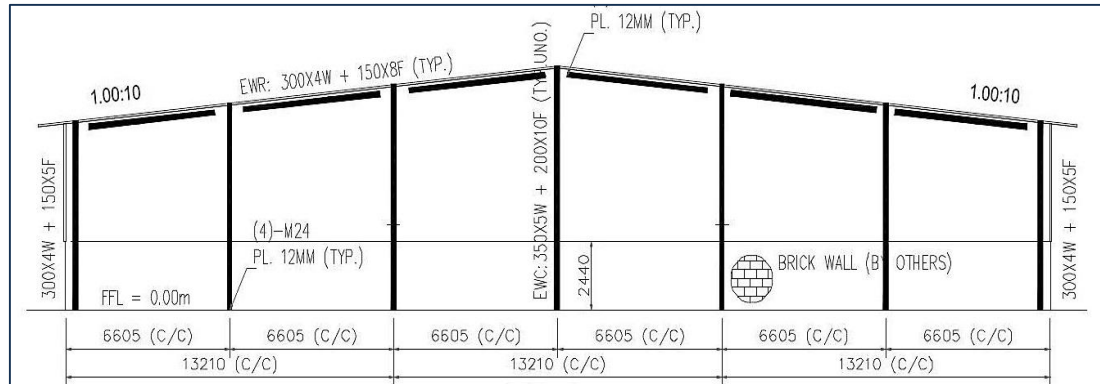
Joint Details

Apparently non-engineered Dining shed. Factory engineer is required to replace the shed with an engineered shed.

Observations: Dining Shed



Lack of As built drawings



No proper as built structural or architectural drawings were available for Shed 2(New).
Factory Engineer is required to produce as built structural and architectural drawings
for the Shed 2 (New).



No documents or drawings were available for utility room. Factory Engineer is required to produce as built drawings for the utility room



Problems Observed

Shed 2 (New):

Item 1: Foundation Check for Proposed Mezzanine Floor

Dining Shed:

Item 2: Non-engineered Shed.

Shed2(New) & Utility room:

Item 3: Lack of As built drawings



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Foundation Check for Proposed Mezzanine Floor (Shed 2(New))	Factory Engineer is required to produce as-built drawings and provide detailed foundation check in case mezzanine floor is built.	6-weeks
2	Foundation Check for Proposed Mezzanine Floor (Shed 2(New))	Carry out any remedial work if necessary.	6-months
3	Non-engineered Shed (Dining Shed)	Factory engineer is required to replace the shed with an engineered shed.	6-weeks
4	Lack of As built drawings (Shed 2(New) & Utility Room)	Factory Engineer is required to produce as built structural and architectural drawings for Shed 2 (New).	6-weeks
5	Lack of As built drawings (Shed 2(New) & Utility Room)	Factory Engineer is required to produce as built drawings for the utility room.	6-weeks