



Quazi Abedin Tex Ltd

Shovapur, Rajfulbaria, Savar, Dhaka
(23.807356N, 90.258660E)
8th February 2017





Observations



Poor connection in joints & lack of detail in drawings



Poor Connection Details-Wastage storage

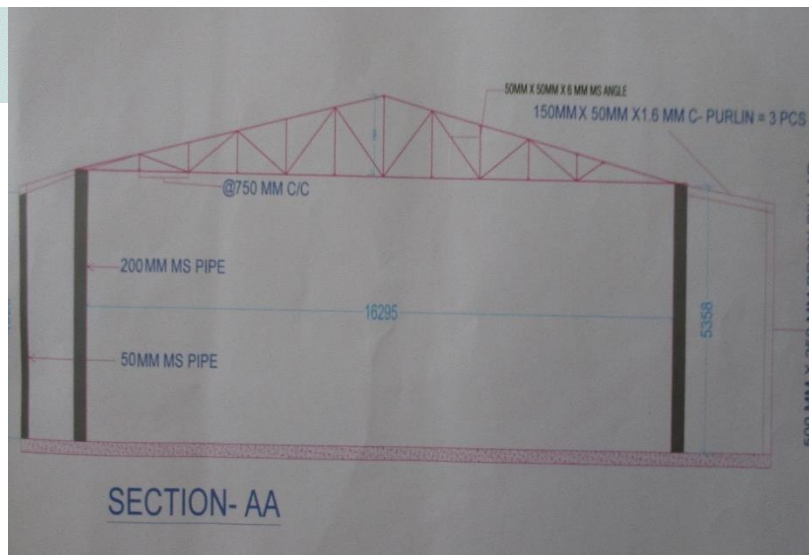


Poor connection -Dining shed



Defected structural member-Boiler shed

Steel sheds were seemed to be non engineered. Poor connection in joints, some defecate members were observed. Building engineer is required to check the connections and defected structural member of sheds .



Roof supported by slender pipe post.

Drawings shows dining sheds roof truss is Pratt truss on site Howe truss system was observed. Building Engineer is required to check the stability against lateral loading and produce an as built drawings for dining shed.



Observations



Extension to be carried out

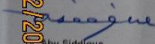


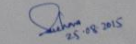
BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)
DEPARTMENT OF CIVIL ENGINEERING
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CONCRETE LABORATORY

BRTC No. : 1100-91206 /15-16/CE; Dt: 19/8/2015
Sent by : GIM (Project), GATL
Ref. No. : Letter, Dt: 19/8/2015
Project : Quazi Abedin Tex. Ltd., Savar, Dhaka
Sample : Cylinder [Mix proportion(as quoted): 1:1.25:2.50, Aggregate Type: Stone chips]
Location : 4th Floor Column
Test : Compressive Strength [ASTM C39]
Date of Test : 20/8/2015

Sl. No.	Date of Casting as per the Letter	Specimen Designation/ Frog Mark	Specimen Area (sq. in)	Maximum Load (lb)	Crushing Strength (psi)	Average Crushing Strength (24.5 MPa)	Mode of Failure
1	8/8/2015	-	11.70	41,152	3,517	3560 psi	Combined *
2	(14 days test)	-	11.94	41,605	3,485	(24.5 MPa)	Combined *
3	-	-	11.70	42,964	3,672	(250 kg/cm ²)	Combined *

Notes: Samples were received in sealed condition. * Combined = Mortar and Aggregate failure.

Designed by: 
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Test Performed by: 
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08/02/2017 00:32

Contract Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representation of the samples reported to be tested. It is recommended that samples are sent in a secure and sealed cover/packages/container under the supervision of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by any authorized person, and not by the Contractor/Supplier.

Factory has permit of 10 storey building from local authority, factory management have intension to extend minimum of one floor within 6-month. If any extension above 6-storey(excluding basement) is to be carried out, building engineer is required to carry out a Detail Engineering Assessment considering BNBC-2006 provision.

Concrete cylinder test report was available on site. Columns were designed for concrete strength, $f'_c=28$ Mpa. Several concrete cylinder test reports show compressive strength, f'_c below 28 Mpa (4000 psi). Building engineer is required to evaluate all the test results prior to commencement of construction of additional floors.



Problems Observed

- 1: Poor connection in joints & lack of detail in drawings.
- 2: Extension to be carried out.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Poor connection in joints & lack of detail in drawings	Building Engineer is required to check the stability against lateral loading and produce an as built drawings for dining shed.	6-weeks
2	Poor connection in joints & lack of detail in drawings	Check adequacy of all connection for all sheds.	6-weeks
3	Poor connection in joints & lack of detail in drawings	Carry out the recommendation from Engineering Assessment	6-months
4	Poor connection in joints & lack of detail in drawings	Implement repair works for the connection where required	6-months
5	Extension to be carried out	Factory engineer to evaluate test report of concrete cylinder prior to commencement of further construction above 5 storey.	6-months