



Regency Three Limited (Unit-5)

Plot 27-30 & 43-48, Sector-8, CEPZ, Chittagong, Bangladesh

(22.280971N, 91.774819E)

20th November, 2016

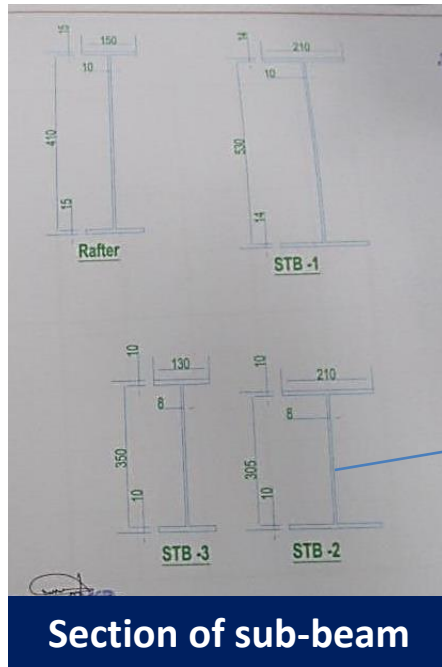




Observations



Discrepancies Between As- Built Structural Drawing and On Site Condition

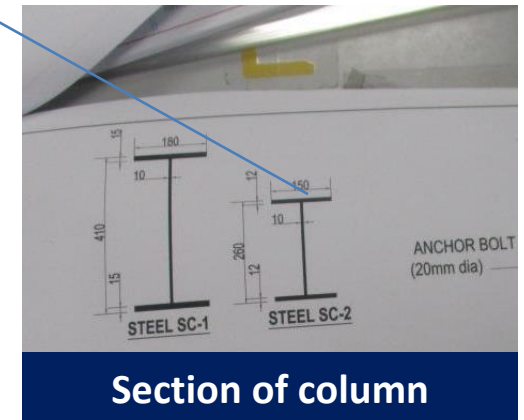


Section of sub-beam



Mezzanine floor layout plan (Building B)

The thickness of flange does not match with drawings. The size of sub beam did not match with provided drawings. Factory engineer required to update the as built drawing and also check the adequacy of structure member as per site condition.



Section of column

Observation: Building B



Non Engineered Sheds



Boiler and Compressor room



WTP shed



Transformer and generator room

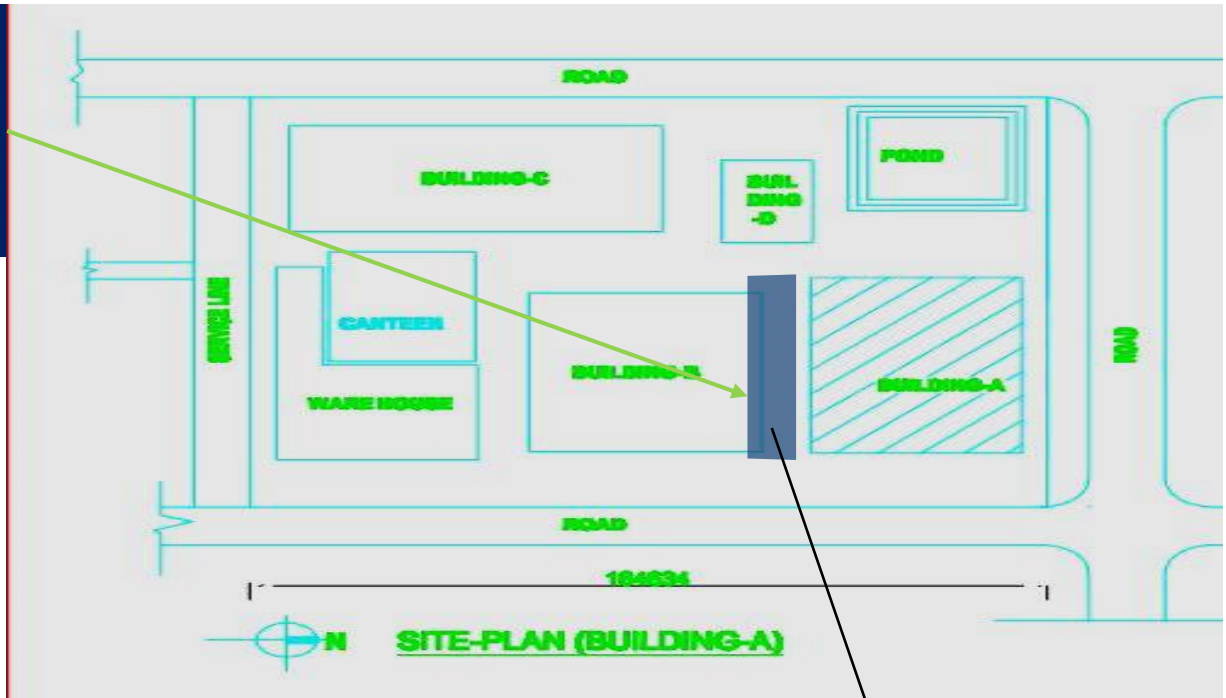
steel sheeting supported by steel purlin/angle system on wall or steel posts. Connections appear non-engineered. Factory engineer to verify the adequacy of connection and steel member against wind load.

Non Engineered Sheds



A Non Engineered shed was observed in between Building A & B

Connections appeared to be non-engineered. Factory engineer to verify the adequacy of connection and steel member against wind load.



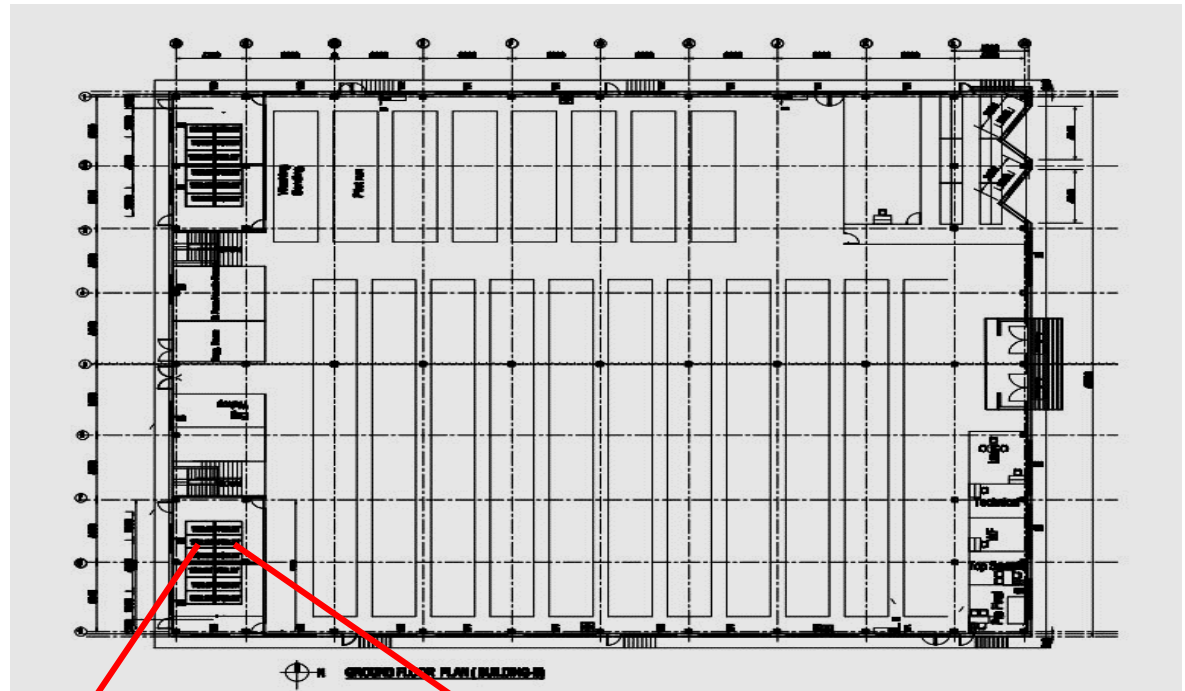
Non Engineered Sheds



Corrosion on Vertical Bracing at Building B



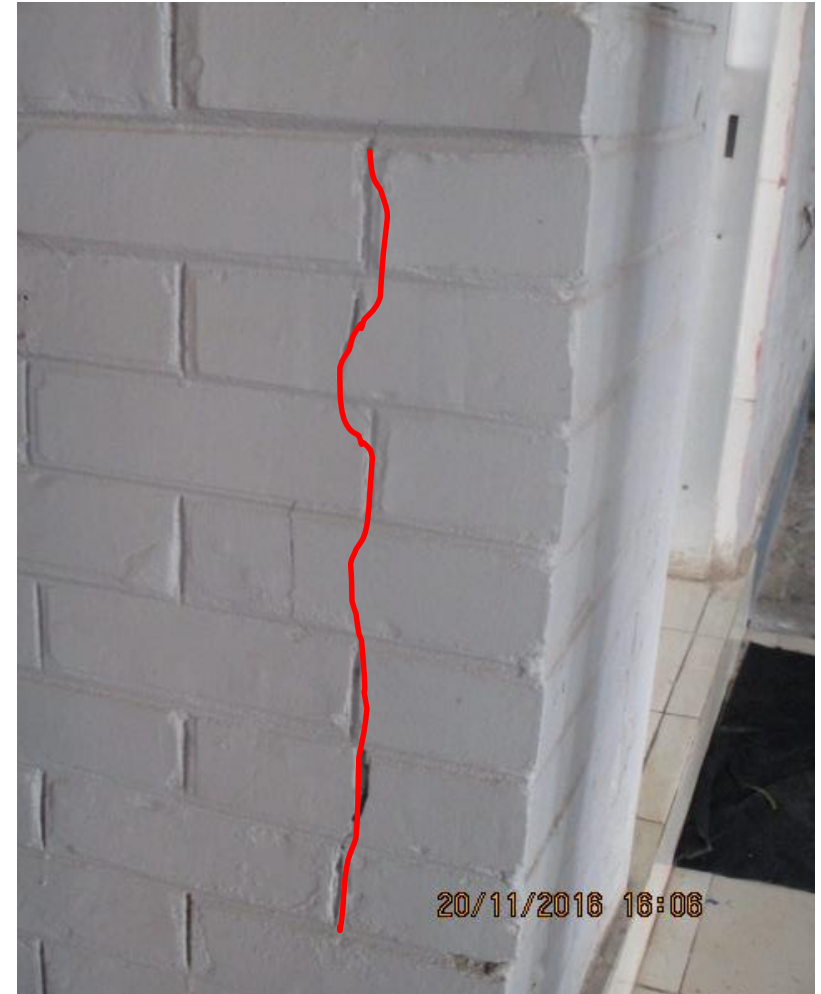
Vertical bracing in the toilet zone in Building B was seen badly corroded.



Corrosion on Vertical Bracing at Building B



Appearance of Cracks on Masonry Wall at Building-A,B &C



Crack n the masonry walls in Building A , B and C.

Appearance of Cracks on Masonry Wall



Priority Actions



Problems Observed

- **ITEM 1:** Discrepancies Between As- Built Structural Drawing and On Site Condition
- **ITEM 2:** Non Engineered Sheds
- **ITEM 3:** Corrosion on Vertical Bracing at Building B
- **ITEM 4:** Appearance of Cracks on Masonry Walls at Building-A,B &C

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Discrepancies Between As-Built Structural Drawing and On Site Condition	Factory engineer to check, collect information and produce accurate and complete as-built documentation.	6-weeks
2	Discrepancies Between As-Built Structural Drawing and On Site Condition	Factory engineer required to check the adequacy of structure member against vertical and lateral load.	6-weeks
3	Non Engineered sheds	Factory engineer to check the adequacy of connection and steel member against wind load.	6-weeks
4	Non Engineered sheds	Implement any necessary action suggested in analysis	6-months
5	Corrosion on Vertical Bracing at Building B	Complete further testing on areas of deterioration and have a qualified structural engineer develop a remediation plan.	6-weeks
6	Appearance of Cracks on Masonry Walls at Building- A,B &C	Factory engineer to find out the extent of cracking and suggest proper remedial measures.	6-weeks
7	Appearance of Cracks on Masonry Walls at Building- A,B &C	Implement any necessary action suggested by the engineer	6-months