

# Renaissance Apparels (new building)

C-S Plot # 659 & 660, Mouza 93, Gazipur, Bangladesh  
(23.985252, 90.353014)  
30<sup>th</sup> November, 2016



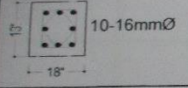
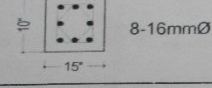
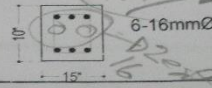
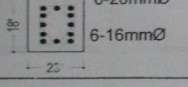
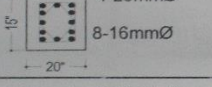
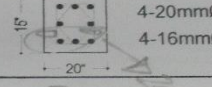
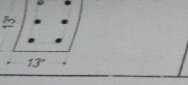
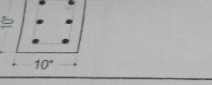


# Observations

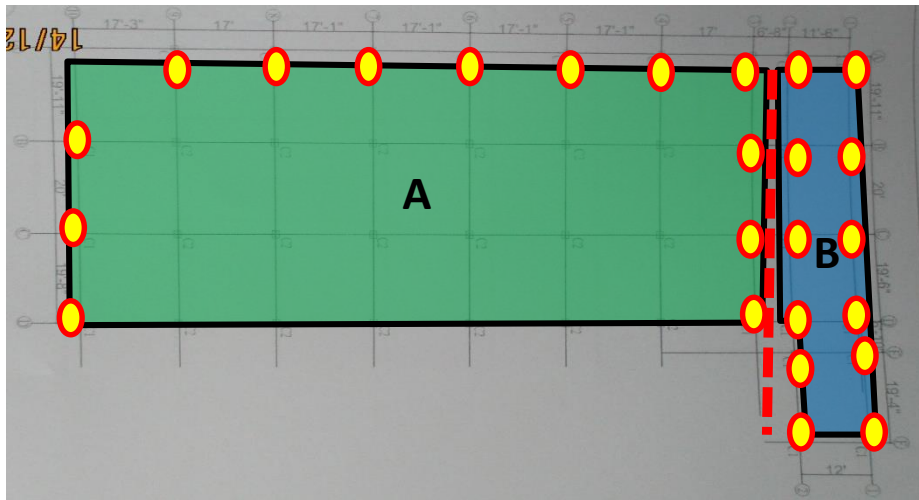


# Discrepancies on the as-built drawings



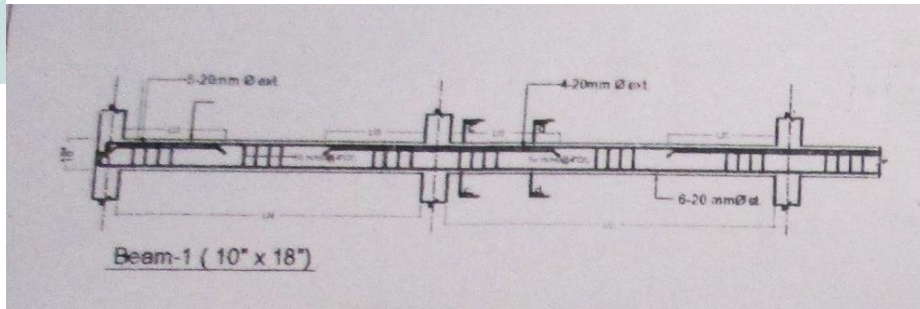
SCHEDULE OF COLUMN			
COLUMN TYPE	REINFORCEMENT 60 GRADE		
	BELOW G.L	GROUND & 1ST FLOOR.	1ST TO 3RD FLOOR
C1	 10-16mmØ 18" x 13"	 8-16mmØ 15" x 10"	 6-16mmØ 15" x 10"
C2	 6-20mmØ 6-16mmØ 20" x 18"	 4-20mmØ 8-16mmØ 20" x 15"	 4-20mmØ 4-16mmØ 20" x 15"
C3	 6-16mmØ 13" x 12"	 6-16mmØ 10" x 10"	

Dimensions of Column C-1 is mentioned 10"X15" in drawings, but we found it to be "12X15" in Part-A and 12"X12" in Part-B

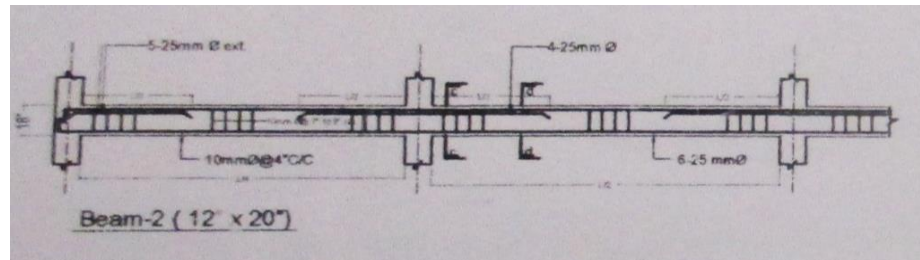


 C1

Column size discrepancy



Dimensions of Beam-1 is mentioned 10"X18" in drawings, but we found it to be 12"X"20



Dimensions of Beam-2 is mentioned 12"X20" in drawings, but we found it to be 10"X15"



Beam size discrepancy

5 Discrepancies on the as-built drawings



# Exposed Rebar on roof

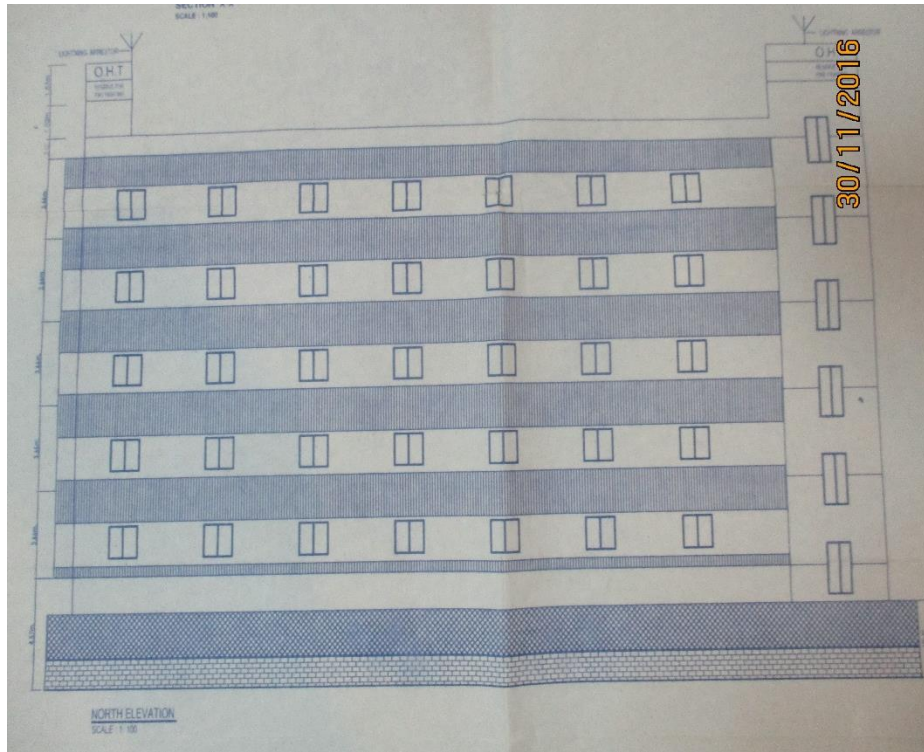


Exposed rebar's were observed at roof. Factory management informed us they will extend vertically in future, that's why they were kept in this condition. Rebar's were found in corroded condition.

## Exposed Rebar on roof



# Provision for future vertical Extension



The building was permitted as 5-Storeyed building from local authority. During inspection, factory management also confirmed that they are going to extend vertically.

## Provision for future vertical Extension



# Problems Observed

**Item 1:** Discrepancies on the as-built drawings

**Item 2:** Exposed Rebar on roof

**Item 3:** Provision for future vertical Extension

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Discrepancies on the as-built drawings	Building Engineer to produce a set of As Built Structural drawings as per As-built condition.	6-weeks
2	Exposed Rebar on roof	Remove the corroded portion and provide proper rust proof material	Immediate - Now
3	Exposed Rebar on roof	If further construction is intended, factory engineer to verify if the rebar's are in good condition and replace them if necessary.	6-weeks
4	Provision for future vertical Extension	If future vertical extension is intended, conduct DEA for the factory building following BNBC.	6-weeks
5	Provision for future vertical Extension	Implement any necessary remedial measures which will be the outcome of DEA.	6-months