



SF Sweaters Ltd. Building – 2

P.O. Salna Bazar, Gazipur, South Salina (Opposite of ABC Complex)

(24.014388N, 90.384952E)

17th May 2017

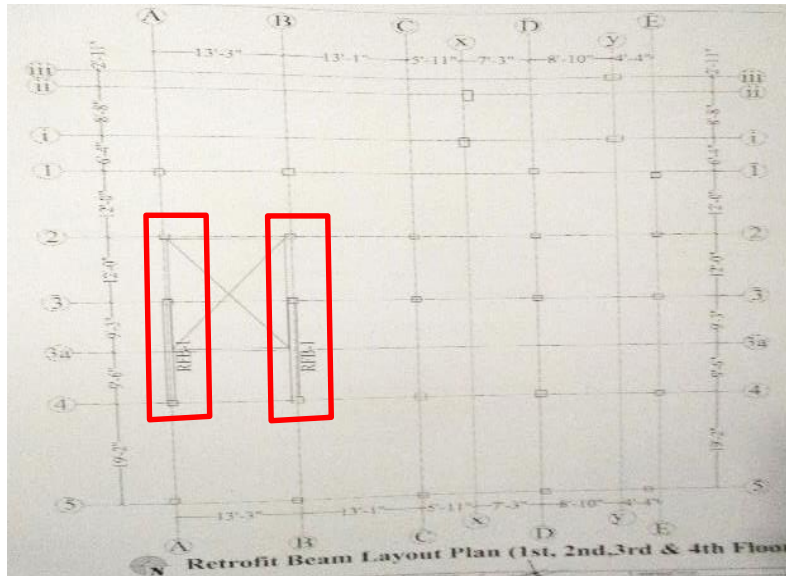




Observations



DEA Report required to be reviewed by ACCORD



Retrofit Ground to 1st Floor Column Layout Plan

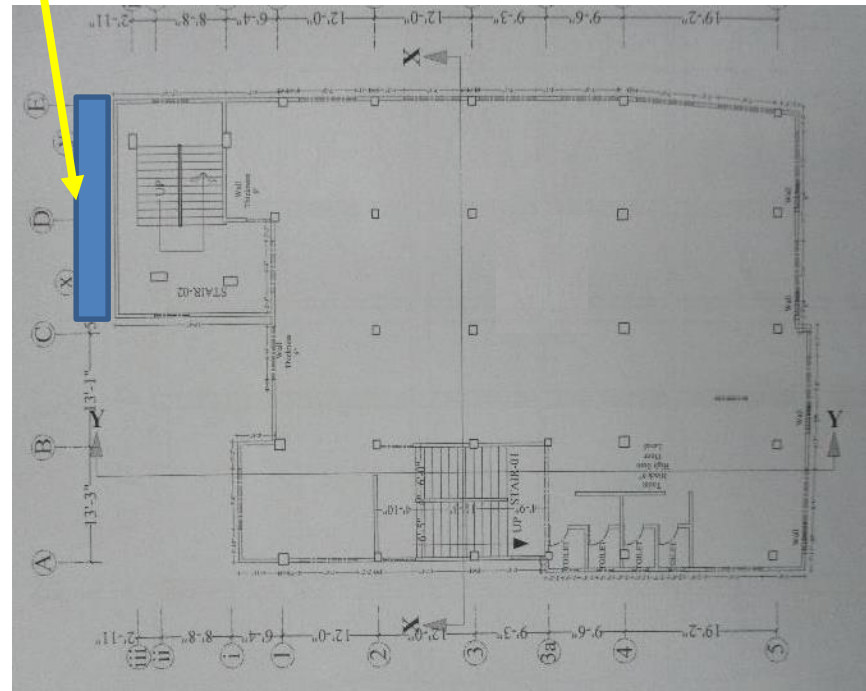
4



Discrepancy observed between drawings and site observation



Undocumented cantilever portion
observed on roof.



Building Engineer required to update As-Built drawings incorporating the extended portion of roof.

Observation: Discrepancy observed between drawings and site observation



C2: 7- 20mm+3-16mm on roof



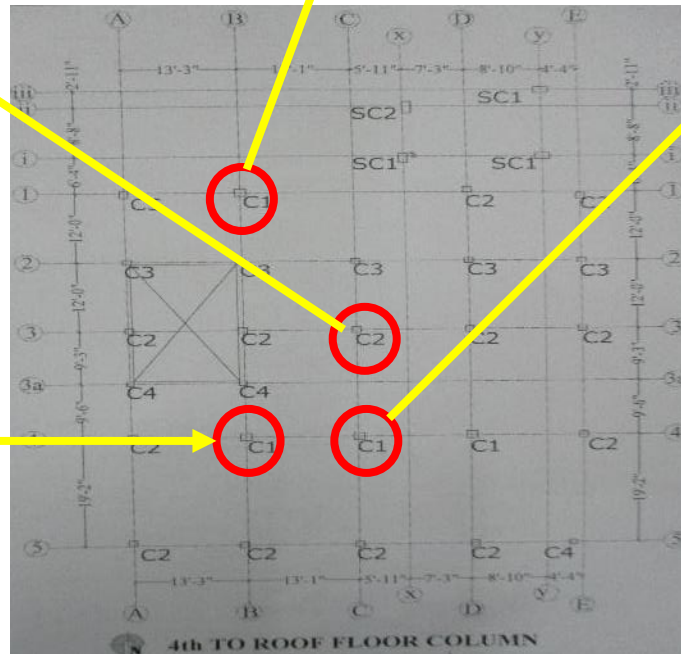
C1: 3- 16mm+9- 20mm on roof



C1: 2- 16mm+5-20mm+2- 16mm on roof



C1: 2- 16mm+5-20mm+2- 16mm on roof

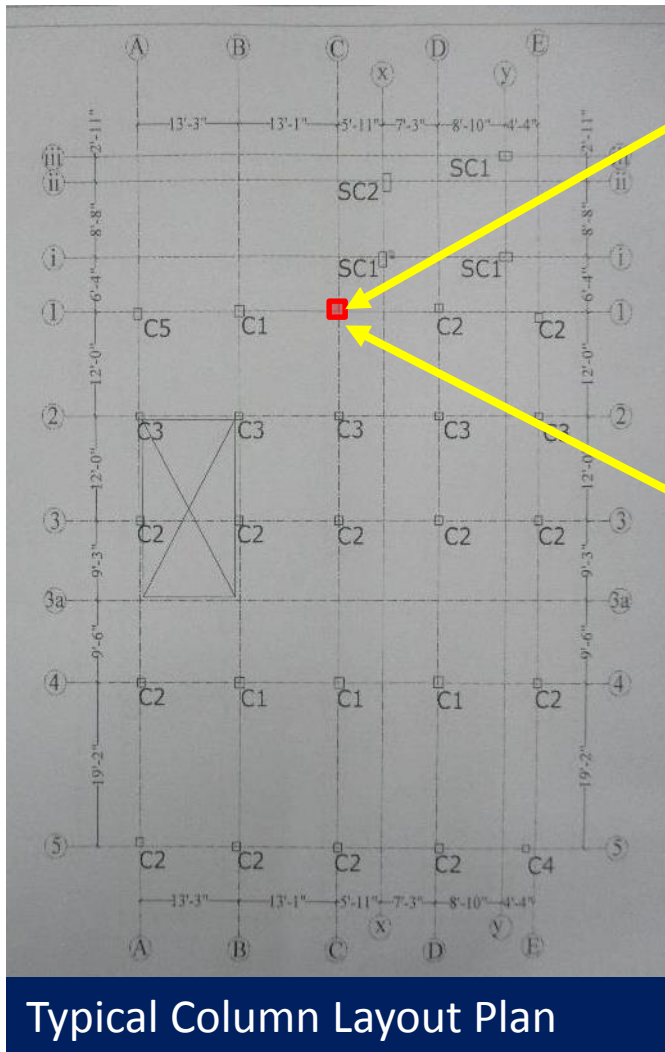


COLUMN SCHEDULE:

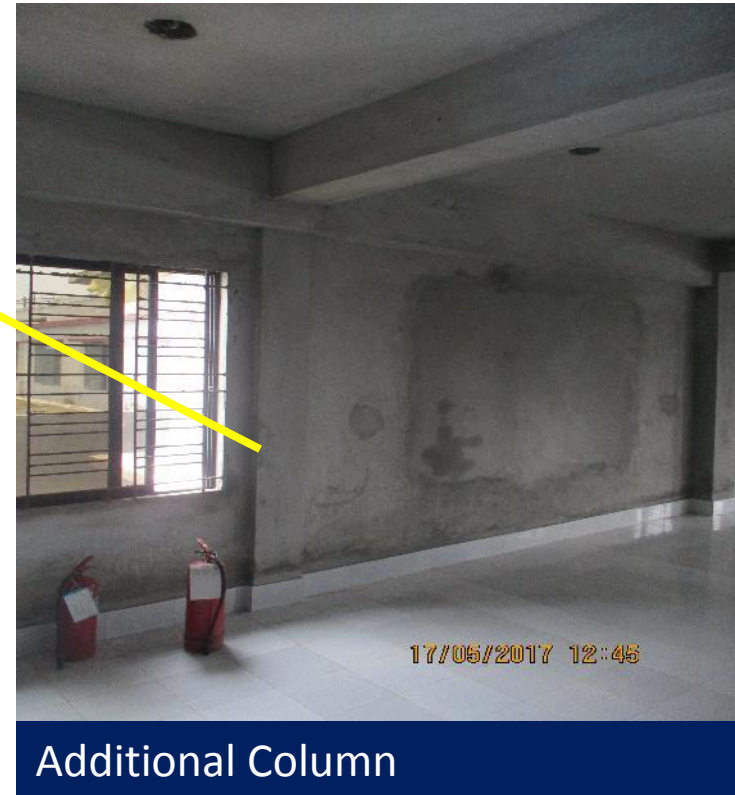
COLUMN IDENTITY	COLUMN SIZE		REBAR DETAILS (GROUND FLOOR TO ABOVE)
	BELOW OF G. BEAM	ABOVE G. BEAM	
C1	18" X 18"	15" X 15"	 4-16mm $\varnothing$ +4-20mm $\varnothing$ +2-22mm $\varnothing$ TIE BAR: 10mm $\varnothing$ @7" C/C
	15" X 15"	12" X 12"	 8 No.s 20mm $\varnothing$ TIE BAR: 10mm $\varnothing$ @7" C/C

Building Engineer required to update As-Built drawings incorporate the verified number of reinforcement in columns.

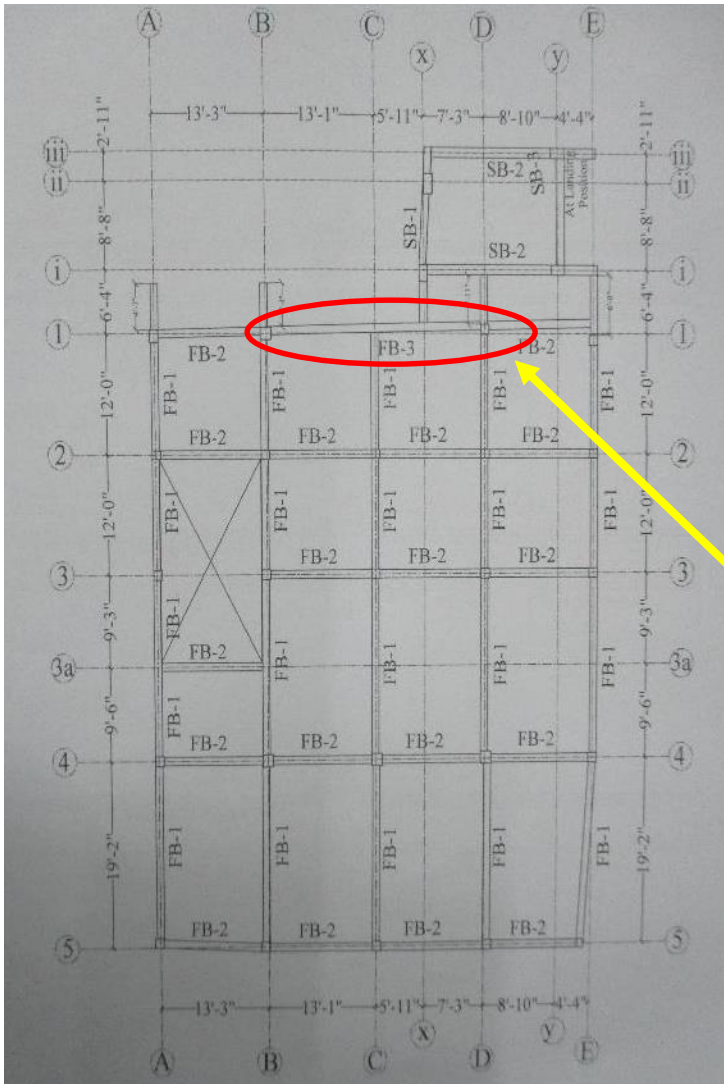
Observation: Discrepancy observed between drawings and site observation



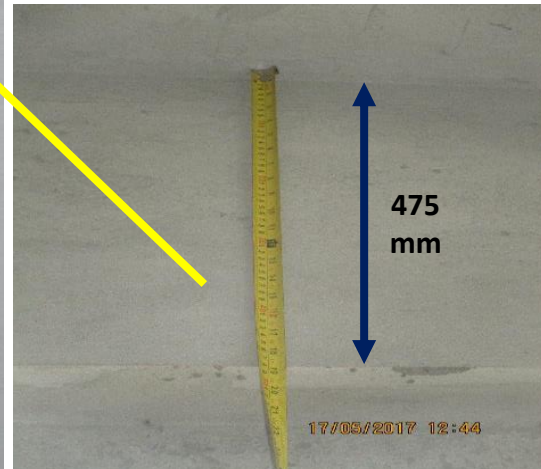
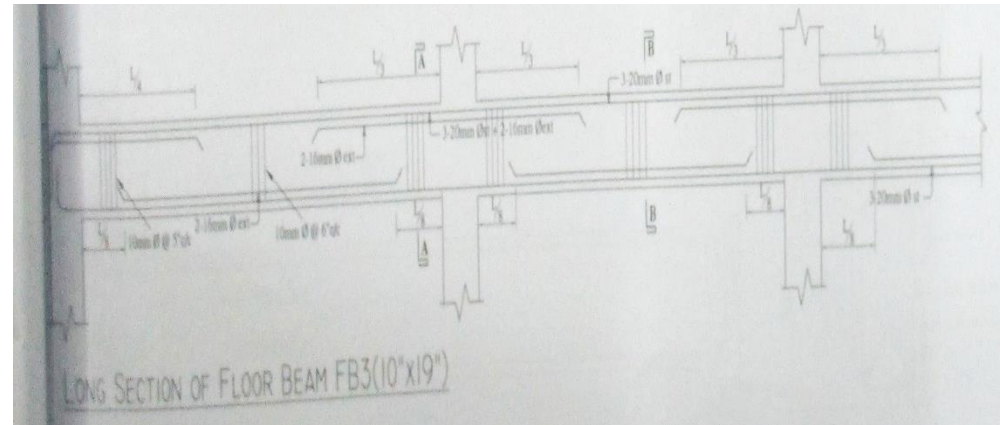
Additional Column was observed from 2nd floor to roof.



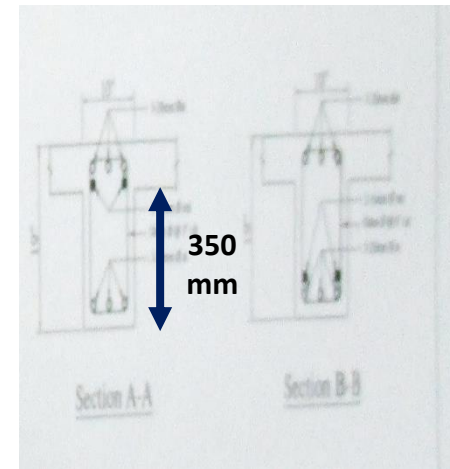
Observation: Discrepancy observed between drawings and site observation



Typical Beam Layout Plan



Down stand of beam
observed 475mm instead
of 350mm



Cross section of FB-
3 Beam

Observation: Discrepancy observed between drawings and site observation



Implement floor load management program



Loading on 1st floor above 2Kpa



Loading on 4th floor above 2Kpa



Loading on 2nd floor above 2Kpa

No load management programs were visible. Factory is required to implement load management program as per its floor loading capacity and Follow the load plans for all floors of the buildings and make sure that the workers understand the loading requirements.

Observation: Implement floor load management program



Dampness observed on several Floors



Dampness observed on wall beside toilet area.



Dampness observed on stair portion



Dampness observed on Peripheral Wall

Dampness observed on several places of the building. Building Engineer is required to investigate the extent of dampness and suggest necessary remedial action.

Observation: Dampness observed on several Floors



Columns susceptible to vehicle impact



The highlighted columns is susceptible to vehicle impact. It is required to take necessary measures to protect the columns.

Observation: Columns susceptible to vehicle impact



Railing missing on stair portion



Stair- 01 portion(3rd floor to roof)



Stair-02 portion

Railing was missing on both stair portion. Factory is required to install railing to avoid falling hazard.

Observation: Railing missing on stair portion



No Documents observed of the steel shed-2



Internal view of shed-2

During inspection, no as built documentation was found for the steel shed. Besides, the shed seems to be non-engineered. Factory is required to produce as built documentation and check the adequacy of the shed against lateral loads.

Observation: No Documents observed of the steel shed-2



Problem Observed

Building-2:

- Item 1: DEA Report required to be reviewed by ACCORD
- Item 2: Discrepancy observed between As-Built drawing and actual condition
- Item 3: Implement floor load management program
- Item 4: Dampness observed on several Floors
- Item 5: Column susceptible to vehicle impact
- Item 6: Railing missing on stair portion

Shed-2:

- Item 7: No Documents observed of the steel shed-2



Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	(Building-2) DEA Report required to be reviewed by ACCORD	Complete the review of Detail Engineering Assessment with ACCORD	6-weeks
2	(Building-2) DEA Report required to be reviewed by ACCORD	Complete the remedial works arise from Detail Engineering Assessment.	6-months
3	(Building-2) Discrepancy observed between As-Built drawing and actual condition	Building engineer to survey the whole building and produce as-built documentation reflecting the as constructed condition	6-weeks
4	(Building-2) Implement floor load management program	Maintain floor loading below 2Kpa	Immediate - Now
5	(Building-2) Implement floor load management program	Factory is required to implement load management program as per its floor loading capacity.	6-weeks
6	(Building-2) Implement floor load management program	Continue to implement loading plan.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
7	(Building-2) Dampness observed on several Floors	Building Engineer is required to investigate the extent of dampness and suggest proper remedial measures accordingly.	6-weeks
8	(Building-2) Dampness observed on several Floors	Carry out remedial works as per recommendation of investigation report.	6-months
9	(Building-2) Column susceptible to vehicle impact	Place protective barrier around susceptible columns.	Immediate - Now
10	(Building-2) Railing missing on stair portion	Install railing properly to avoid falling hazard.	Immediate - Now
11	(Shed-2) No Documents observed of the steel shed-2	Factory is required to produce a set of As Built drawings with respect to the actual condition.	6-weeks
12	(Shed-2) No Documents observed of the steel shed-2	Factory is required to check the adequacy of the roof shed against lateral loads.	6-weeks
13	(Shed-2) No Documents observed of the steel shed-2	Implement remedial works if required.	6-months