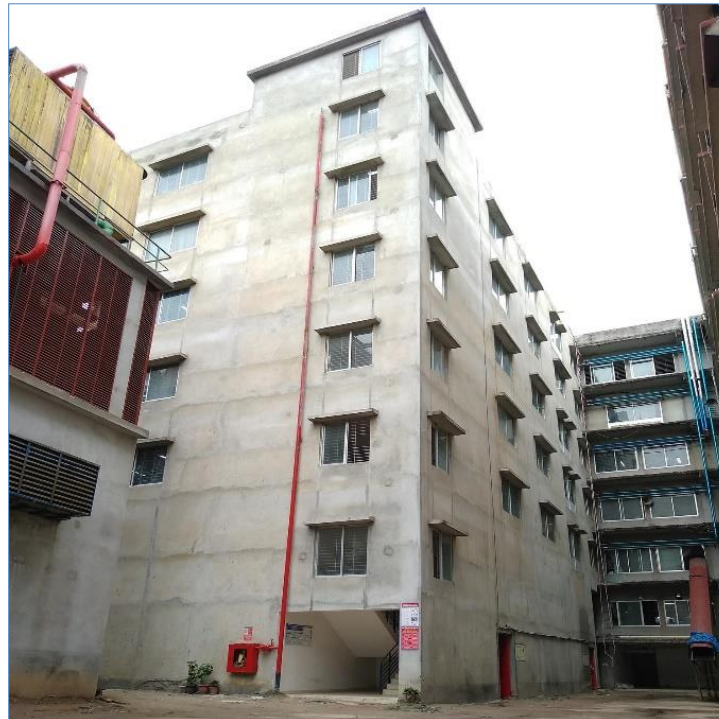




Tamishna Fashion Wear Ltd (new building)

Plot # 247, Bhadam, Nishatnagar, Tongi, Gazipur
(23.898755, 90.358666)
8th July 2019





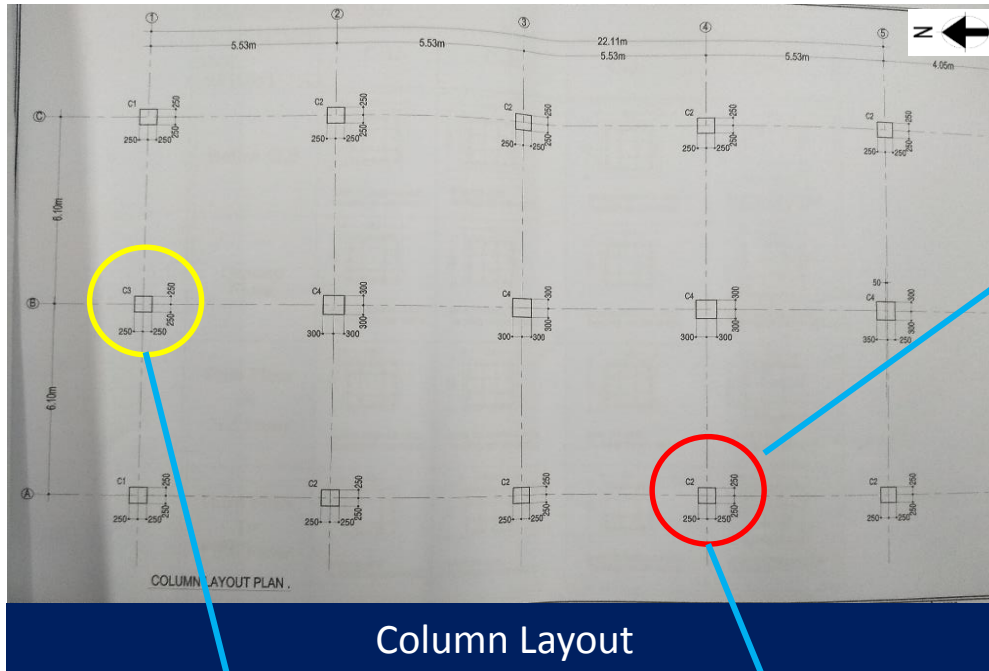
Observations



Discrepancies in as-built drawing

Observations

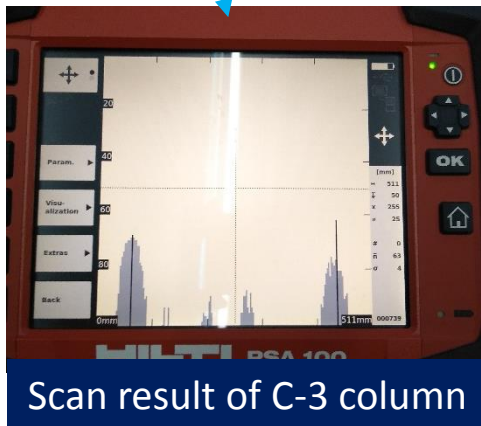
Number of rebar in C-3 and C-2 type column didn't match with column schedule. In C-3 column 4 rebars were counted by ferro scanning in one direction instead of 6 rebars. In C-2 column 5 rebars were counted by ferro scanning in one direction instead of 7 rebars.



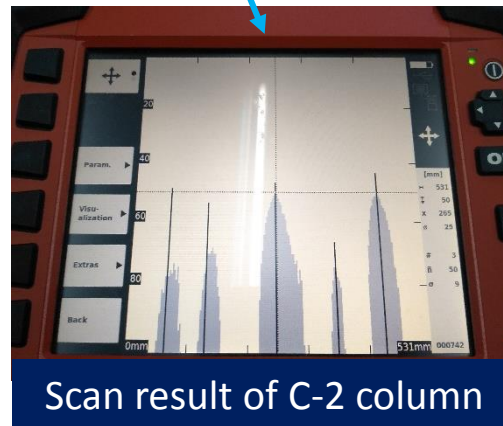
Column Layout



Ferro Scanning



Scan result of C-3 column



Scan result of C-2 column

COLUMN SCHEDULE				
COL. NO. COL. HEIGHT	C-1:	C-2:	C-3:	C-4:
Below G.B	 BAR: 10-200@6-100 Tie: 100@ 100-200-100CC	 BAR: 22-200 Tie: 100@ 100-200-100CC	 BAR: 6-250 + 14-200 Tie: 100@ 100-200-100CC	 BAR: 10-250 + 12-200 Tie: 100@ 100-200-100CC
Ground Floor	 BAR: 10-200@6-100 Tie: 100@ 100-200-100CC	 BAR: 22-200 Tie: 100@ 100-200-100CC	 BAR: 6-250 + 14-200 Tie: 100@ 100-200-100CC	 BAR: 10-250 + 12-200 Tie: 100@ 100-200-100CC
Frist Floor & 2nd Floor	 BAR: 4-200 + 12-100 Tie: 100@ 100-200-100CC	 BAR: 10-200@10-100 Tie: 100@ 100-200-100CC	 BAR: 20-200 Tie: 100@ 100-200-100CC	 BAR: 20-200 Tie: 100@ 100-200-100CC
Third Floor To Fifth Floor	 BAR: 16-100 Tie: 100@ 100-200-100CC	 BAR: 20-100 Tie: 100@ 100-200-100CC	 BAR: 10-200 + 10-100 Tie: 100@ 100-200-100CC	 BAR: 10-200 + 10-100 Tie: 100@ 100-200-100CC

Column schedule



Implement floor load management program

Observations



Current floor loading

No load management program was visible on-site. We have checked the column capacity considering 3 kPa floor live load and minimum concrete strength. The column stresses was found within normal design limit. Follow 3 kPa floor live load on typical floors of the building and make sure that the workers understand the loading requirements.



Problems Observed

Building-6

Item 1: Discrepancies in as-built drawing.

Item 2: Implement floor load management program.



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Discrepancy in as-built drawing	Building Engineer to confirm the number of rebar in all column and prepare accurate as-built structural drawing.	6-weeks
2	Implement floor load management program	Implement floor load management program considering 3 kPa floor live load on typical floors.	6-weeks
3	Implement floor load management program	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity if loading above 3kpa is considered.	6-weeks
4	Implement floor load management program	Continue to implement loading plan.	6-months