



United Costume Limited R.N. Knit Tex Ltd.

Malancha Nagar, I/A, R # 02, West Isdair, Fatullah, Narayanganj
(23.633561N, 90.481962E)

7th January 2019

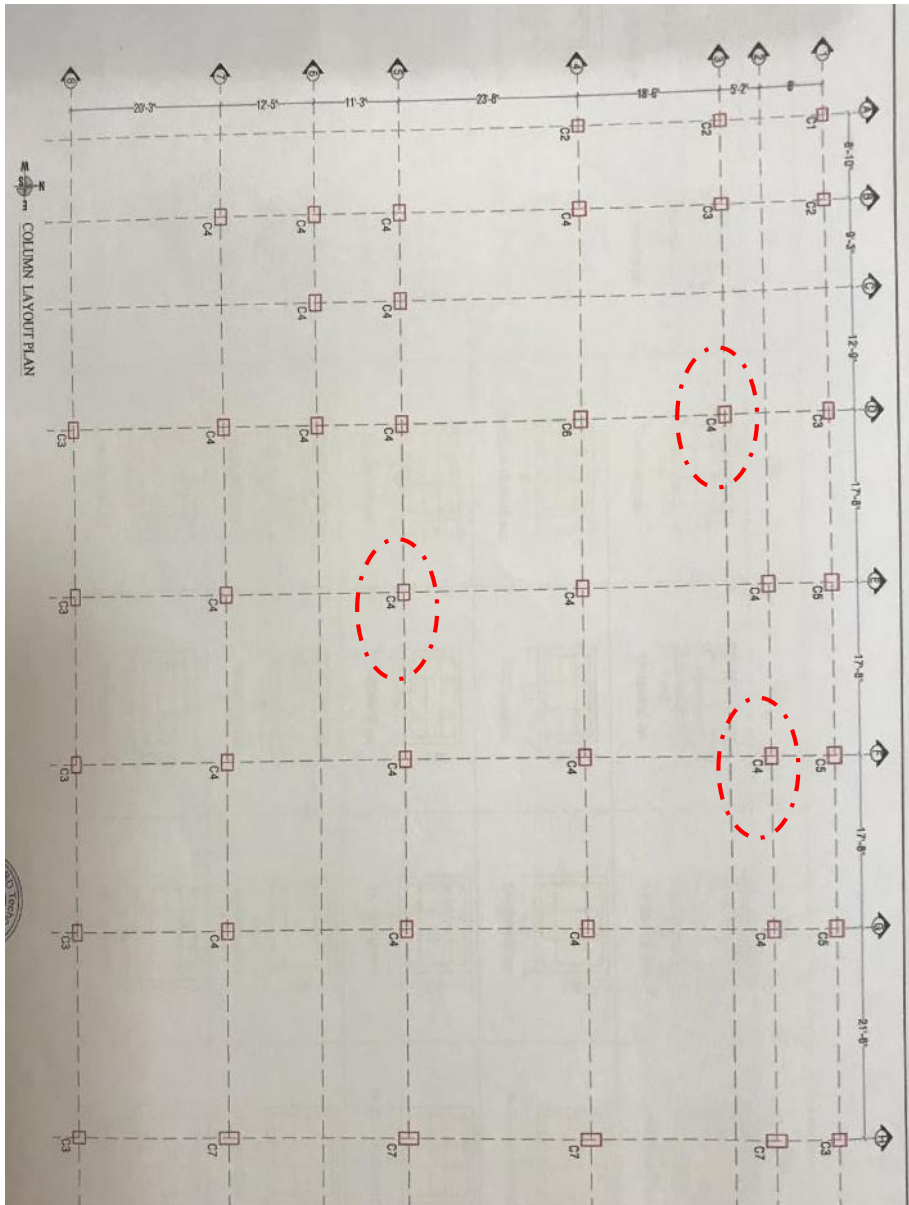




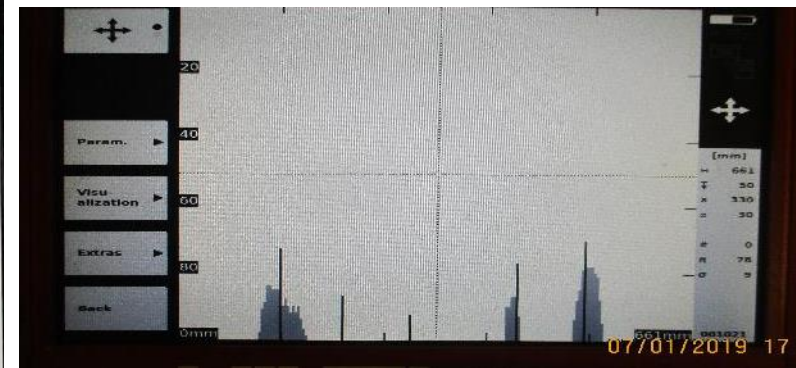
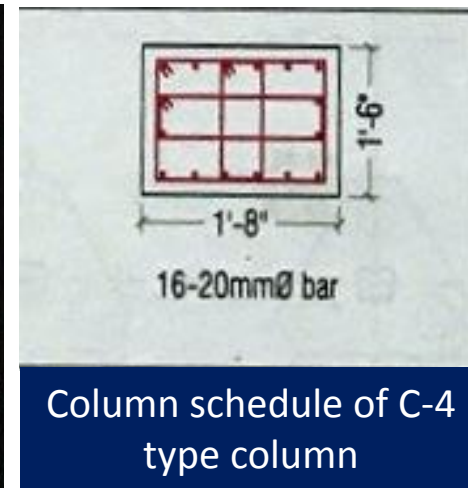
Observations



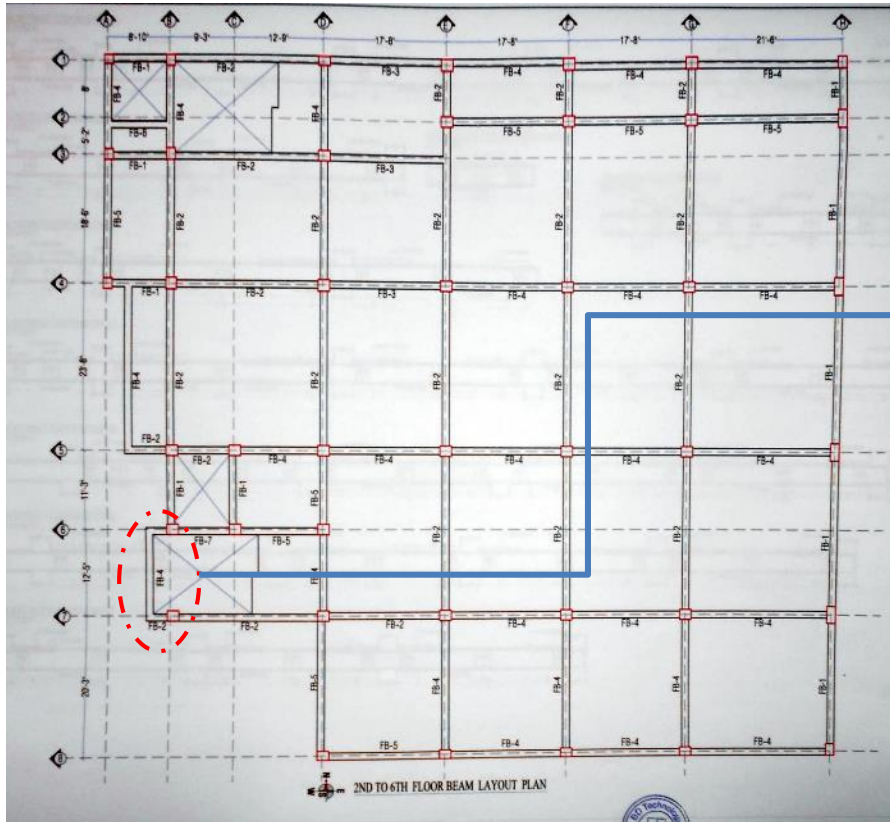
Discrepancies between drawings and on-site observation



Column Layout



The number of rebar of C-4 column was found 5 number in 1'-8" face instead of 6 number as shown in the as-built drawing. The rebar number of the column is required to be confirmed in column schedule and layout.



On the marked location in typical beam layout, no beam was found in any floor except ground floor whereas the beam was shown in as-built drawing.



Missing beam in all floor



Beam is found on Ground floor only



Lateral stability of roof top shed to be verified



Steel frame (No vertical/Horizontal bracing)



Improper welding connection between rafter and column



Steel columns were bolted on roof slab

No vertical bracing or compression strut was observed to provide lateral stability of the shed. Factory is required to check stability of roof Shed against lateral loads.



Implement floor load management program



No load management programs were visible except posting load plan. Factory is required to implement load management program (with signage) as per its floor loading capacity. Follow the load plans for all floors and make sure that the workers understand the loading requirements.



Lack of As-built Documents

10 **Observation: Boiler & Generator Room and Compressor Room**



Compressor Room



Boiler & Generator Room

No As-Built drawings were available on site for the Boiler & Generator Room and Compressor Room. Factory engineer is required to produce as-built drawings reflecting on-site condition.

Observation: Boiler & Generator Room and Compressor Room



Problems Observed

Production Building

Item 1: Discrepancies between drawings and on-site observation

Item 2: Lateral stability of roof top shed to be verified

Item 3: Implement floor load management program

Boiler & Generator Room and Compressor Room

Item 4: Lack of As-built Documents



Priority Actions



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	(Production Building) Discrepancies between drawings and on-site observation	Factory engineer is required to survey all the structural elements properly and update as-built drawings.	6-weeks
2	(Production Building) Lateral stability of roof top shed to be verified	Factory engineer to check the stability of lightweight steel shed against vertical and lateral loads.	6-weeks
3	(Production Building) Lateral stability of roof top shed to be verified	Carry out remedial works resulting from engineering assessment where necessary.	6-months
4	(Production Building) Implement floor load management program	Factory is required to implement load management program (signage, load restriction height marking) as per its floor load plan.	6-weeks
5	(Boiler & Generator Room & Compressor Room) Lack of As-built Documents	Factory engineer is required to survey all the structural elements properly and produce correct as-built drawings.	6-weeks