

Knit Horizon Ltd.

Holding: 36/1,Block-E ,Boherarchala , Sreepur , Gazipur
(24.200399N,90.400936E)
28th December 2016





Observations

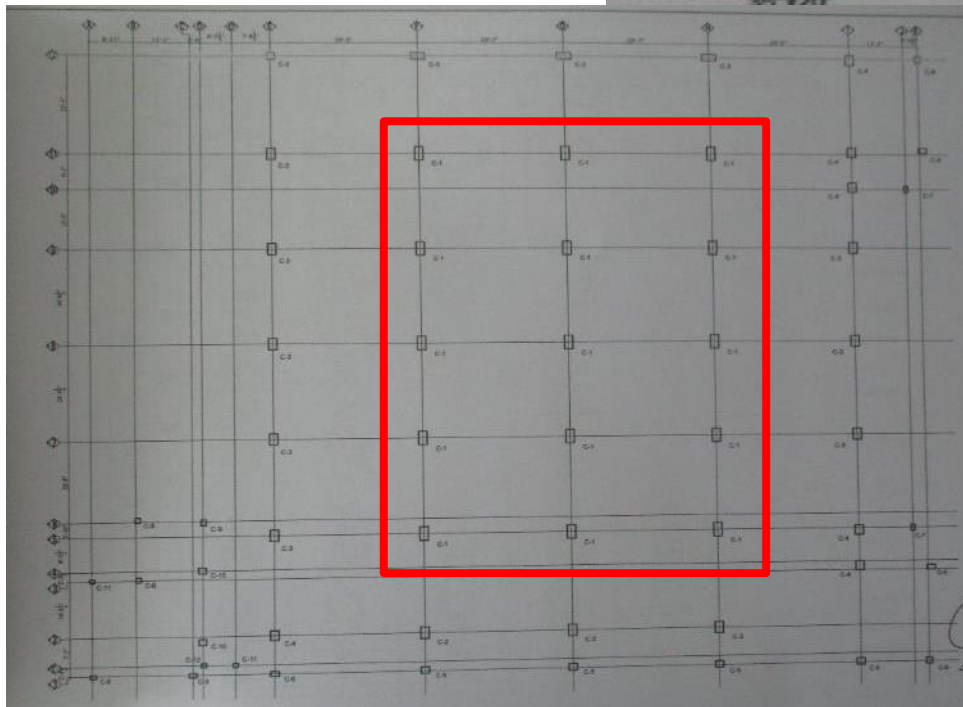
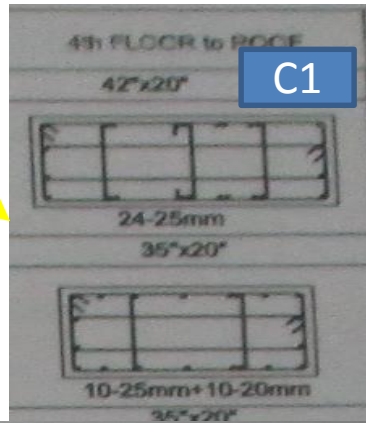


Discrepancy between Structural Drawing and As – Built Condition



COLUMN SCHEDULE

Column No.	Section	Section	Section	Section	Section
C1	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C2	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C3	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C4	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C5	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C6	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C7	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C8	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C9	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C10	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C11	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]
C12	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]



Rebar arrangement of C1 Column not match with column schedule. During inspection (17-25mm + 7 – 20mm) rod found instead of 24 – 25mm rod. (Checked on Roof)

Observation: Discrepancy between Structural Drawing and As – Built Condition

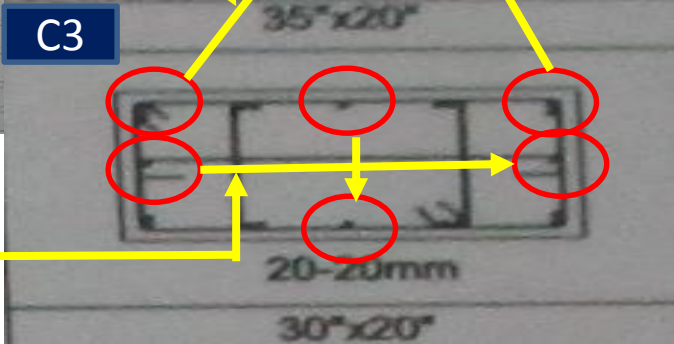


COLUMN SCHEDULE

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]	[Diagram]

Not Bundled

C3



Bundled

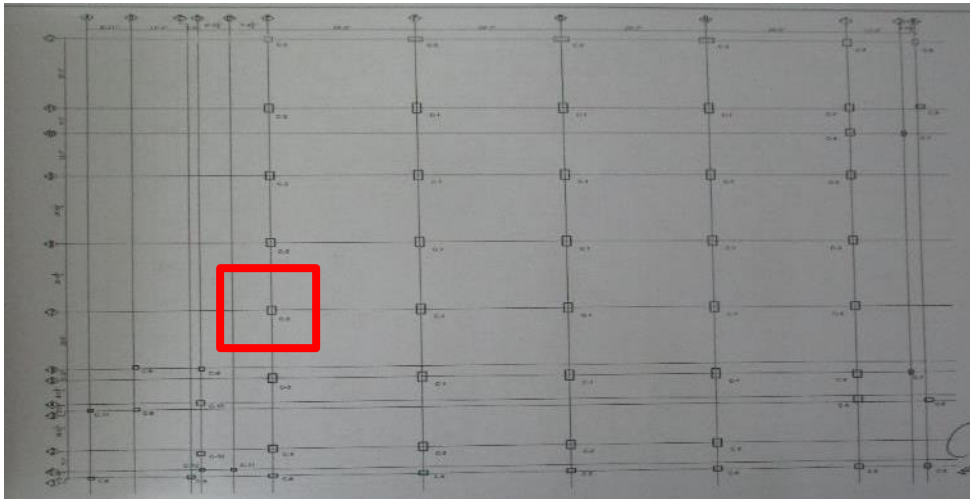


Long Face

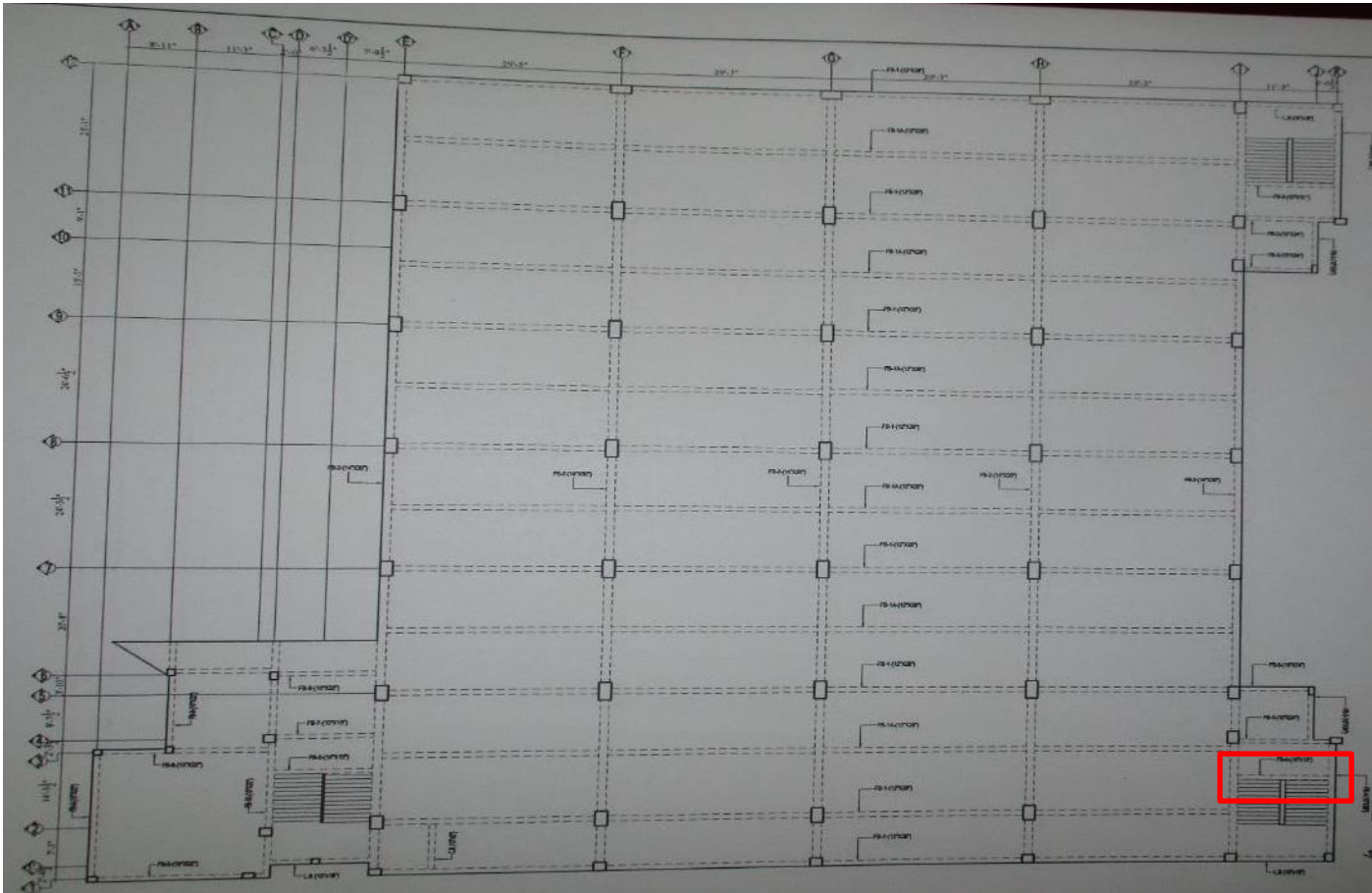


Short Face

Rebar arrangement of C3 Column not match with column schedule at roof



Observation: Discrepancy between Structural Drawing and As – Built Condition

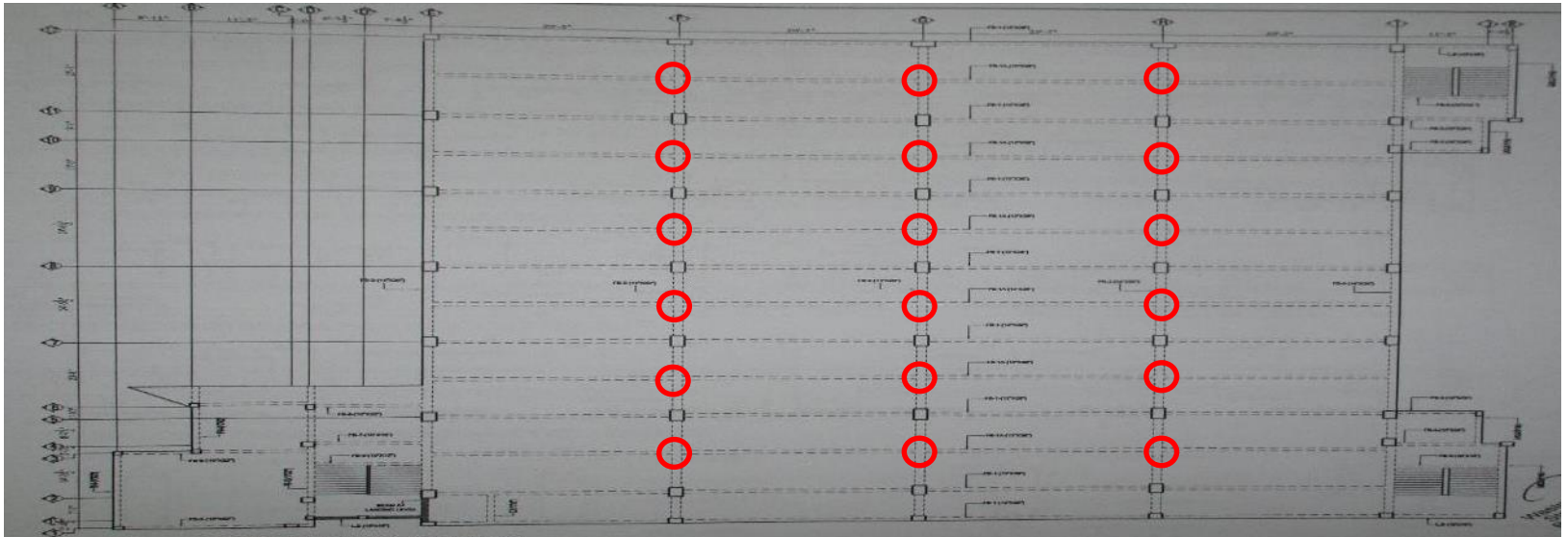
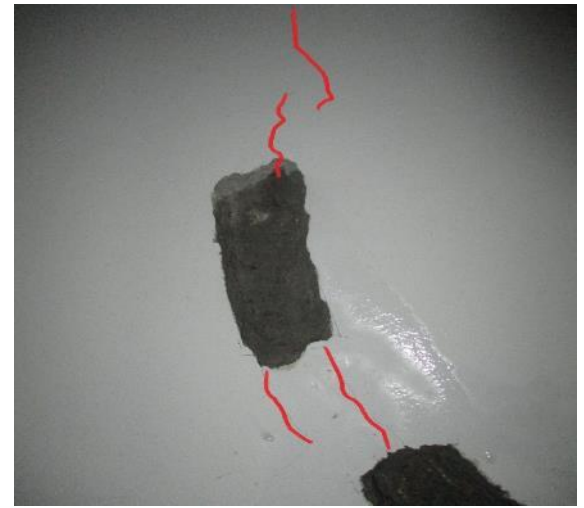


Stair Beam was not found on the highlighted portion on 1st and 2nd floor level

Observation: Discrepancy between Structural Drawing and As – Built Condition

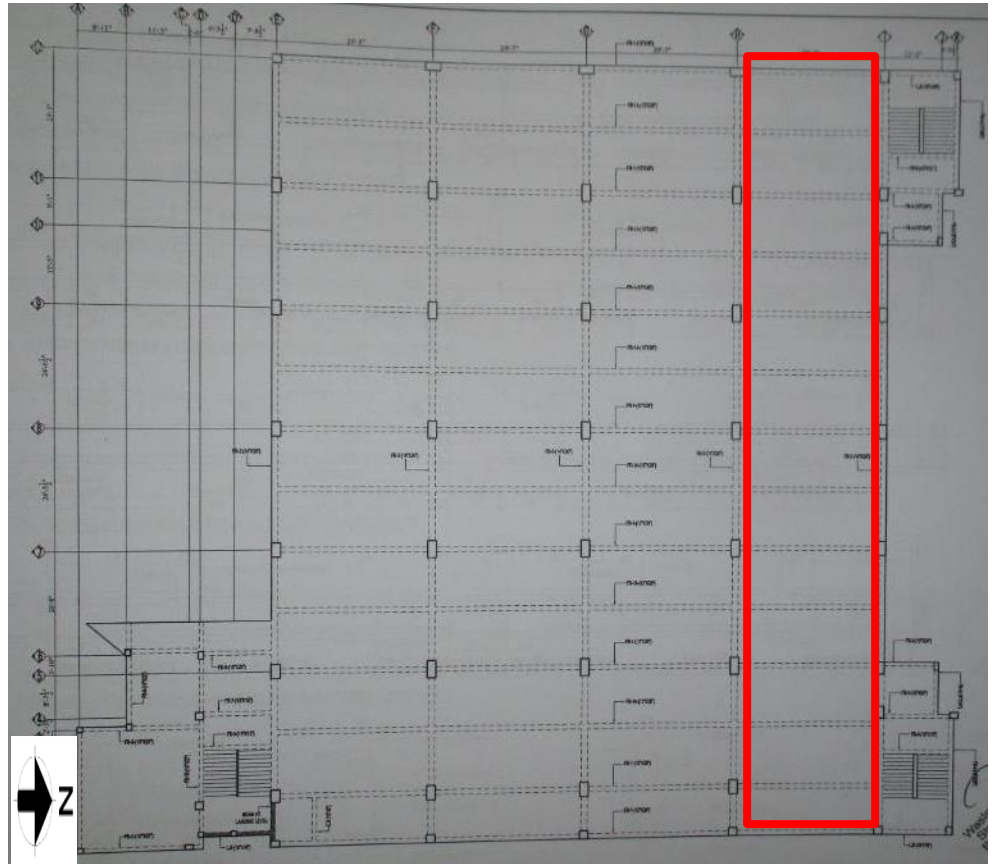
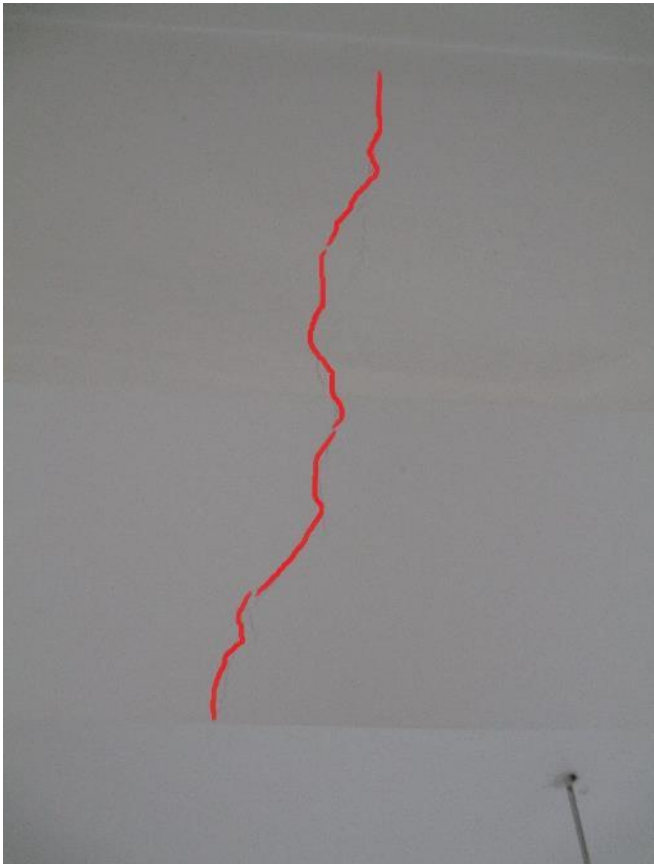


Cracking found on beams and slabs



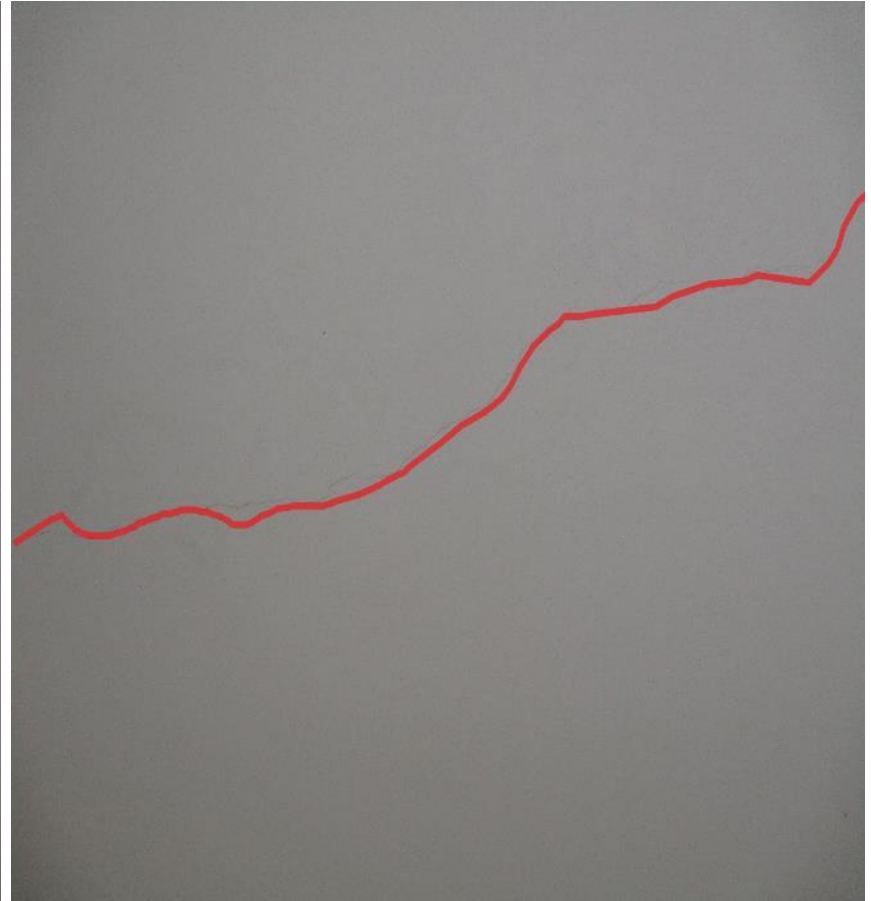
Cracks found on beam to beam joint on every floor above ground.

Observation: Cracking found on beams and slabs



During inspection, cracking was found on mid span of beam of the highlighted bay on several floors.

Observation: Cracking found on beams and slabs



Cracking found on slabs on several panels of different floors.

Observation: Cracking found on beams and slabs



Dampness found on wall of the stair case portion



During inspection, dampness was found on wall of the staircase portion beside toilet area.

Observation: Dampness found on wall of the stair case portion



Inadequate edge protection at roof



During inspection, Parapet height on roof was not found adequate to avoid falling hazard.



Observation : Inadequate edge protection at roof



Non-engineered structures were observed



During inspection, Medical room & child care shed and canteen shed were found as non-engineered. Factory Engineer is required to check the adequacy of member and connection against lateral loads.

Observation : Non-engineered structures were observed



Problems Observed

Main Factory Building

Item 1: Inconsistency between Structural Drawing and As – Built Condition

Item 2: Cracking found on beams and slabs

Item 3: Dampness found on wall of the stair case portion

Item 4: Inadequate edge protection at roof

Medical Room & Child care Shed and Canteen Shed

Item 5: Non-engineered structures were observed



Priority Actions



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Inconsistency between Structural Drawing and As – Built Condition	Factory engineer to check, collect information and produce accurate and complete as-built documentation	6-weeks
2	Cracking found on beams and slabs	Building Engineer to investigate the extent of cracking either structural or non – structural.	6-weeks
3	Cracking found on beams and slabs	Implement strengthening or repairing works if required.	6-months
4	Dampness found on wall of the stair case portion	Qualified Structural Engineer to investigate the cause of dampness and to suggest necessary measures to avoid dampness	6-weeks
5	Dampness found on wall of the stair case portion	Implement repairing works as per engineer’s advice.	6-months
6	Inadequate edge protection at roof	Increase the parapet height to avoid falling hazard.	6-weeks
7	Non-engineered structures were observed	Factory Engineer required to check the members and connections of sheds against lateral loads.	6-weeks
8	Non-engineered structures were observed	Implement remedial action if required.	6-months