Rahman Knit Garments Ltd.

Hariharpara, Panchabati, Fatullah, Narayangonj
(23.63014, 90.48090)
30th December 2020 & 24th January 2021.

RSC RMG SUSTAINABILITY COUNCIL

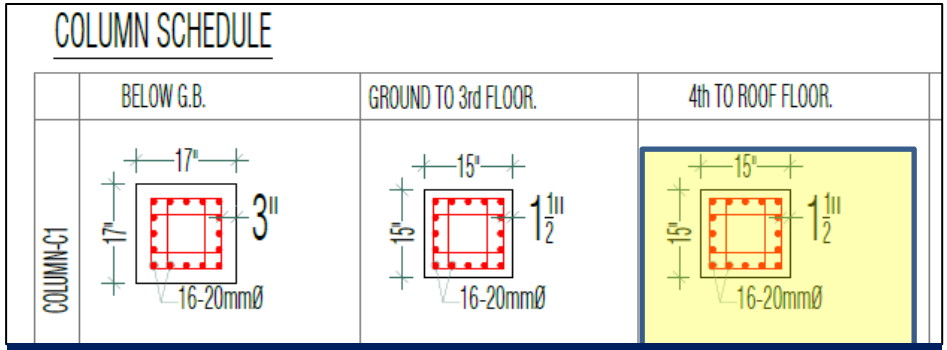
Buildings Information

1. Building 01-Garments Building (G+4 with partial steel shed at roof)
2. Building 02-Knitting Building (G+2)
3. Building 03-Dyeing Shed (part-A) (single storied)
4. Building 03-Dyeing Shed (part-B) (G+Mz)
5. Building 04-Dyeing Office (G+2)
6. Building 05-Stenter Building (G+Mz+1)
7. Building 06-Yarn Building (G+1)
8. Building 07-Office Building (G+1)
9. Boiler Shed (single storied)
10. Utility Shed (single storied)
11. Security Dormitory (single storied)
12. Sub-Station (single storied)
13. Guard Room & Compressor Room (single storied)

Observations

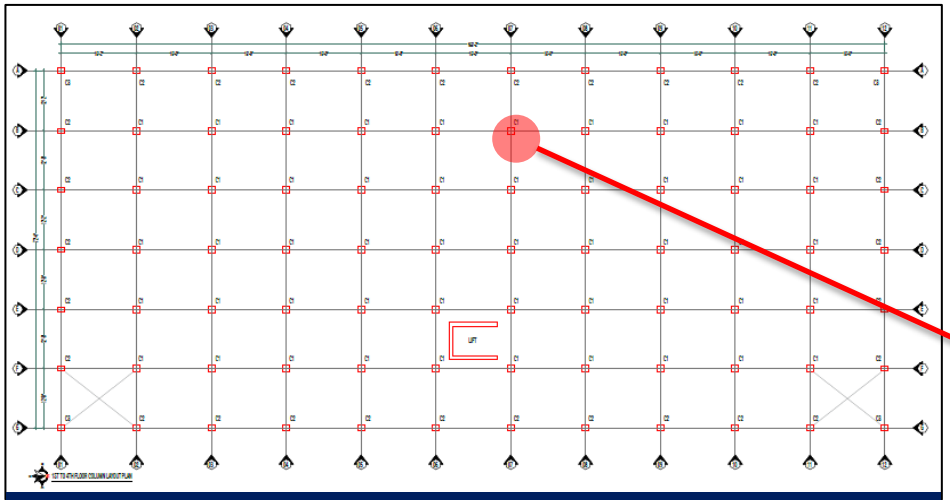
Discrepancies in as-built drawing with on-site condition

Observations: Building 01-Garments Building



16 numbers of rebar shown in as-built column schedule for column C1.

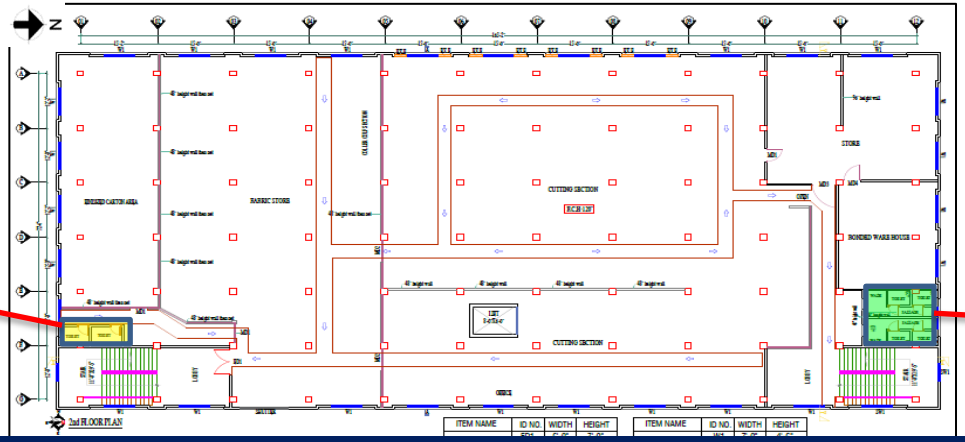
14 number of rebar was found for the column C1 instead of 16 number rebar.



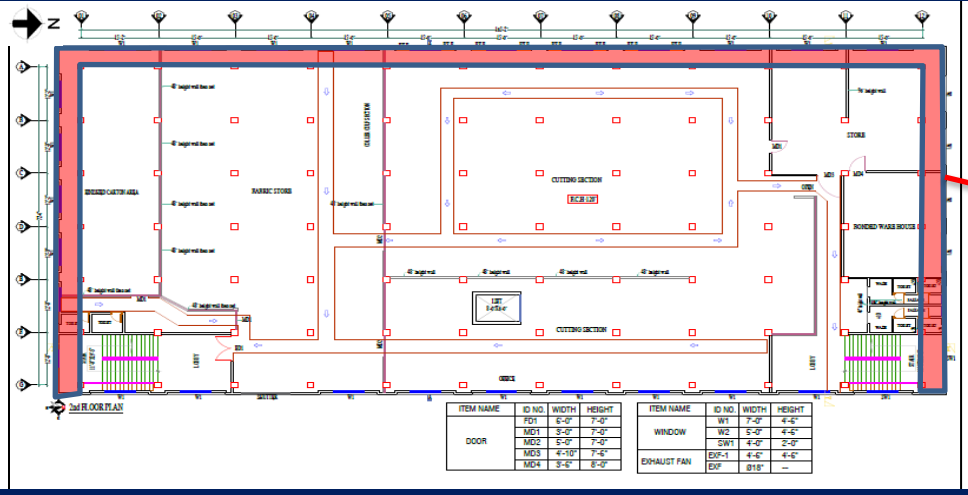
Column Layout plan. Column re-bar was verified by ferro-scanning at marked location (4th floor).

Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition. Also, review the column stress according to the floor capacity.

Observations: Building 01-Garments Building

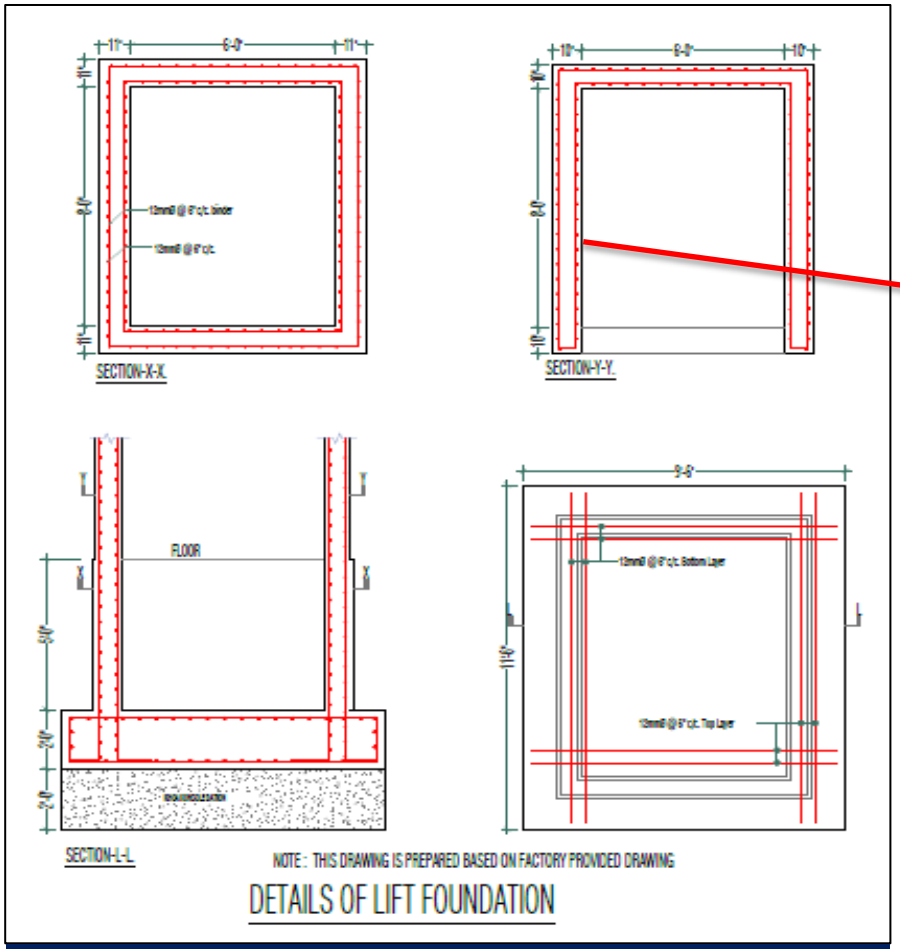


Toilet areas in different floor have built-up approx. 140 mm. This built-up areas are not shown in as-built drawing. The factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.



Cantilever slab was found in highlighted periphery areas measured 1.42m on site but dimension was not mentioned in as-built drawing. Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.

Observations: Building 01-Garments Building



Thickness of shear wall at lift core was mentioned 250 mm in as-built drawing.

Thickness of highlighted RC shear wall at lift core found 200 mm instead of 250 mm. Factory engineer is required to survey the whole structure and update as-built drawing as per on site condition.

Observations: Building 01-Garments Building

Dampness in masonry wall near washroom

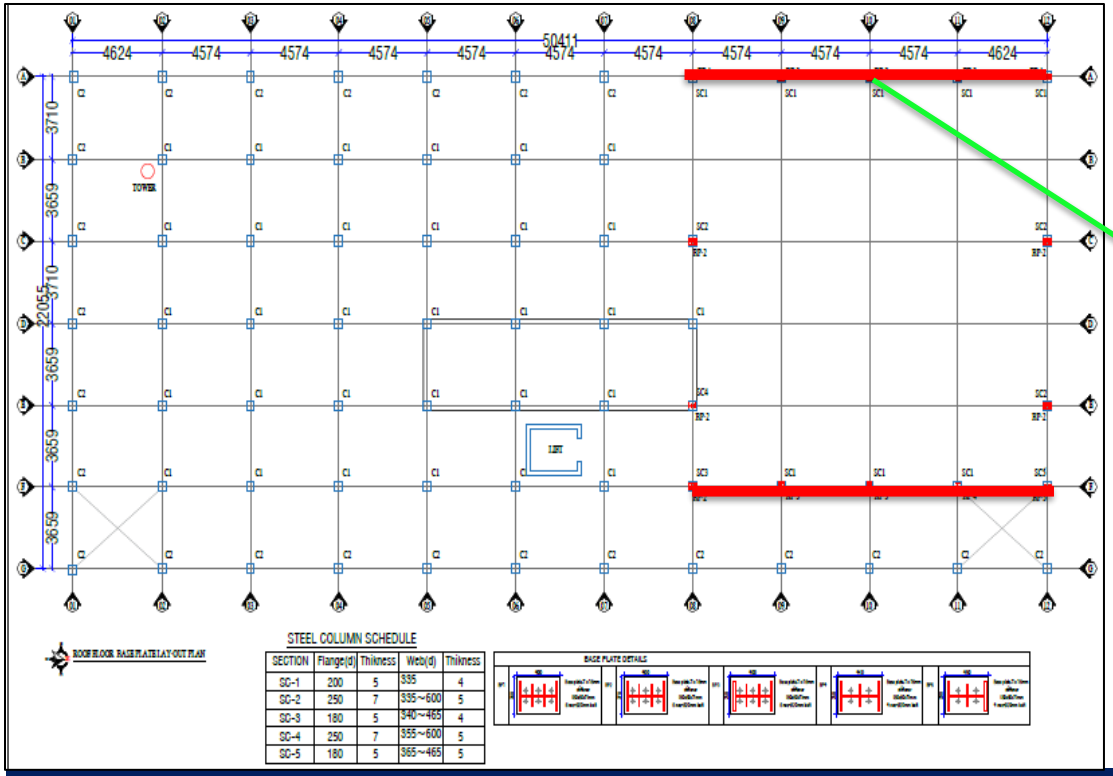
Observations: Building 01-Garments Building

Dampness was found in masonry wall near washroom at several location. Factory engineer is required to investigate the reason of dampness and apply suitable method to repair dampness.

Observations: Building 01-Garments Building

Discrepancies in as-built drawing with on-site condition

Observations: Building 01-Garments Building (roof shed)

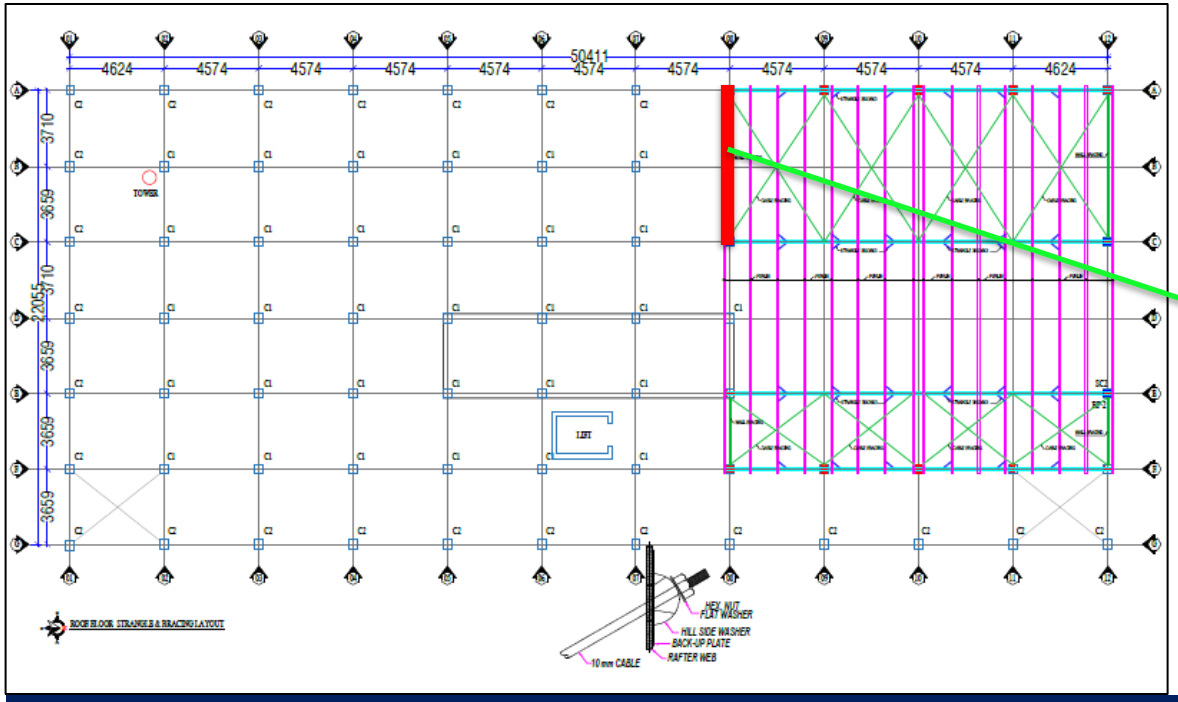


Compression strut has been found in roof shed at edge column to column. But no details has been provided in as-built drawing. Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.

Observations: Building 01-Garments Building (roof shed)

Loose bracing in roof shed.

Observations: Building 01-Garments Building (roof shed)



Loose wall bracing.

Wall bracing was found loose at highlighted location in roof shed. Factory engineer is required to survey the whole structure and tighten all loose bracings.

Observations: Building 01-Garments Building (roof shed)

Corrosion in steel member

Observations: Building 01-Garments Building (roof shed)

Corrosion was found in steel member in several locations. Factory engineer is required to identify the corroded locations and investigate the reason of corrosion and implement proper remedial measure accordingly.

Observations: Building 01-Garments Building (roof shed)

Gap in connection

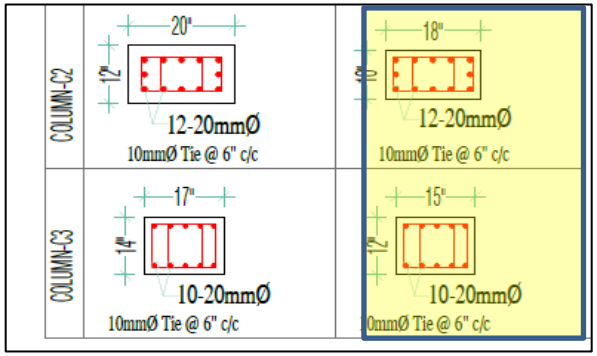
Observation: Building 01-Garments Building (roof shed)

Gaps were found in steel member connection at several locations. Factory is required to repair the connection gaps as per guidance by the factory engineer.

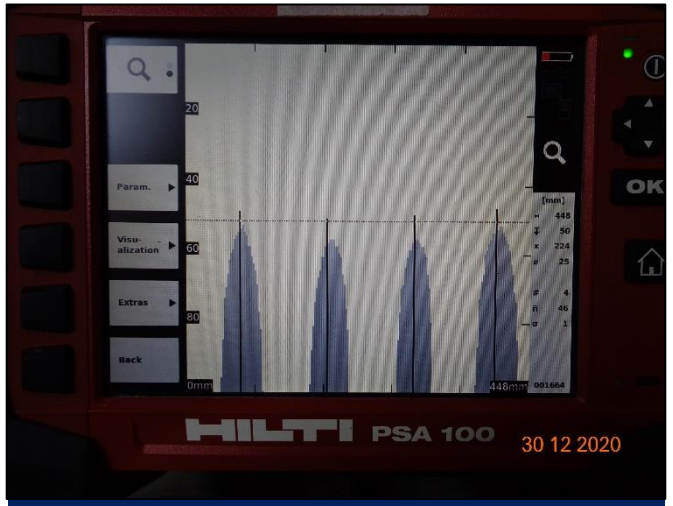
Observation: Building 01-Garments Building (roof shed)

Discrepancies in as-built drawing with on-site condition

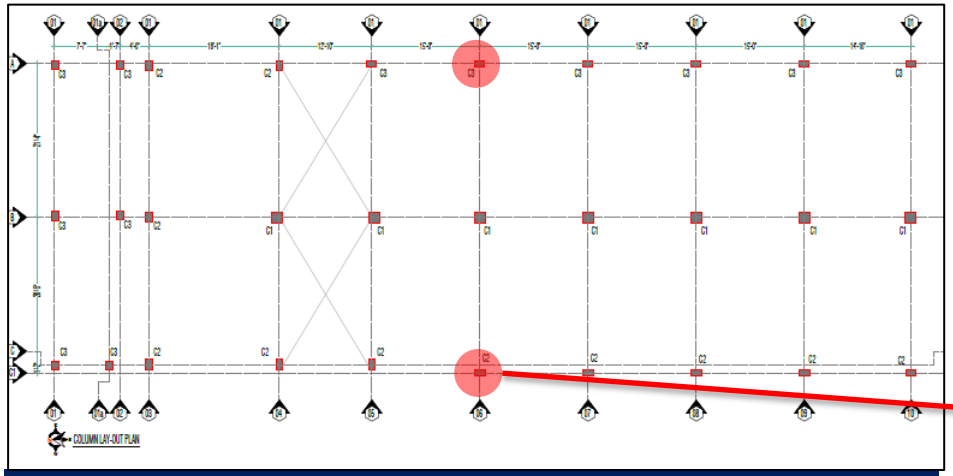
Observations: Building 02-Knitting Building



12 & 10 numbers of rebar shown in as-built column schedule for column C2 & C3, respectively.



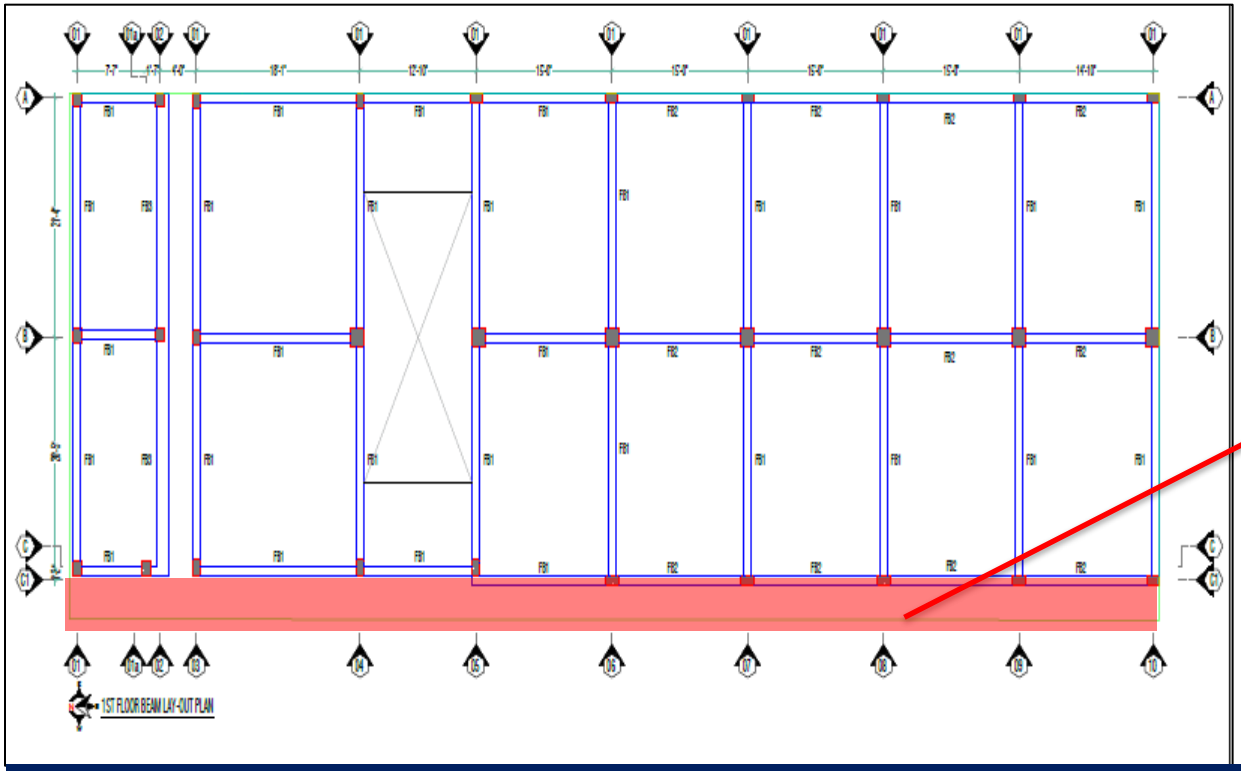
8 & 6 numbers of rebar was found for the column C2 & C3, instead of 12 & 10 number rebar, respectively.

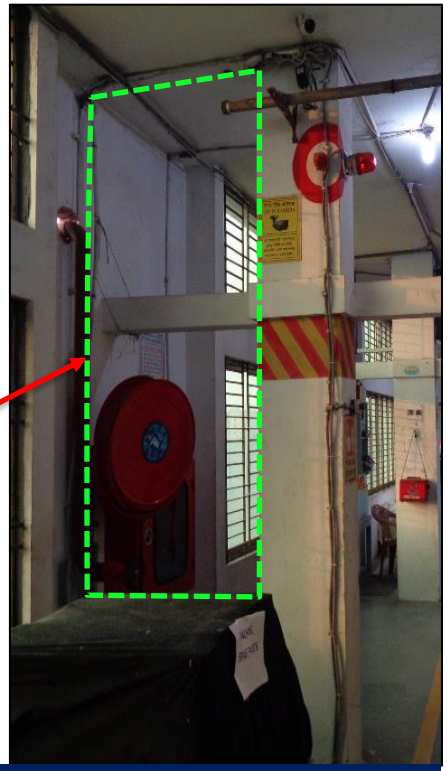


Column Layout plan. Column re-bar was verified by ferro-scanning at marked location.

Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition. Also, review the column stress according to the floor capacity.

Observations: Building 02-Knitting Building



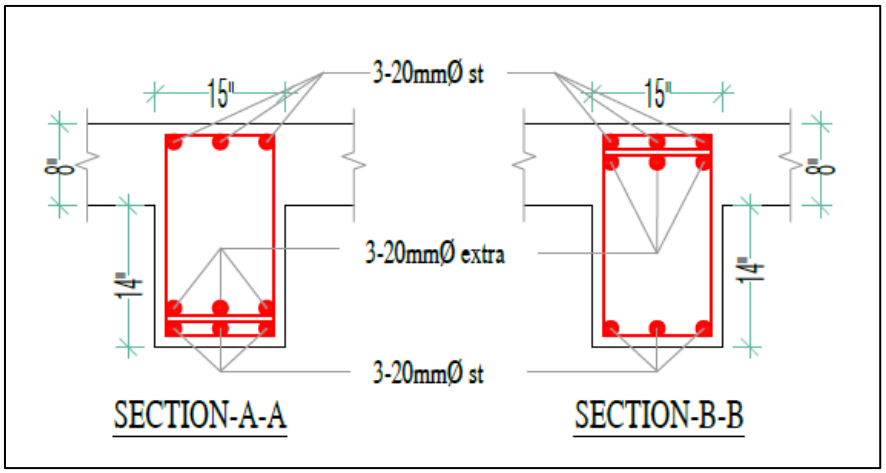


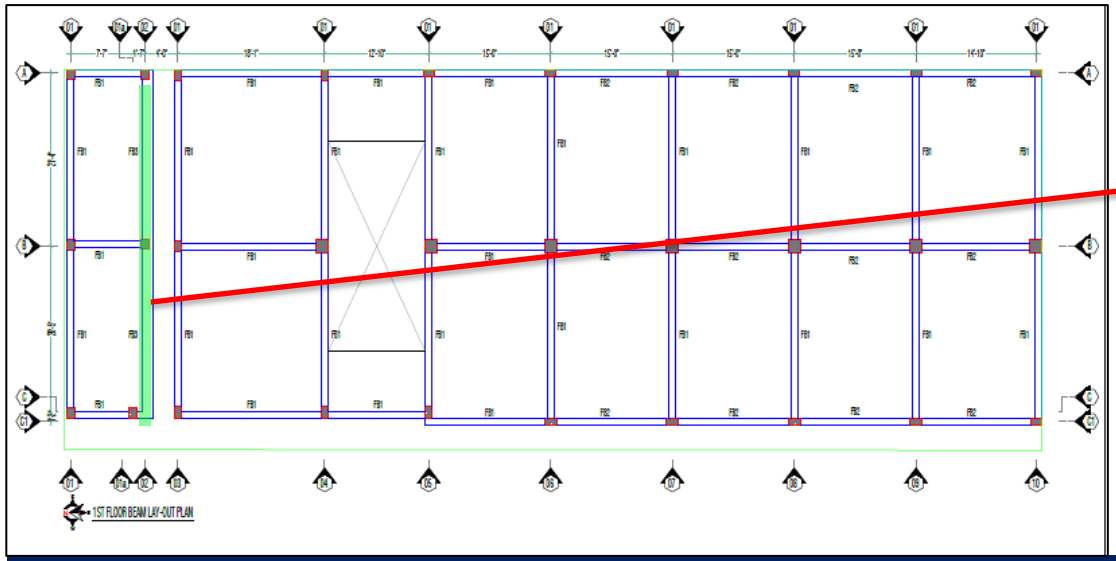
Cantilever slab was found in highlighted periphery areas measured 0.85 m on site but dimension was not mentioned in as-built drawing. Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.

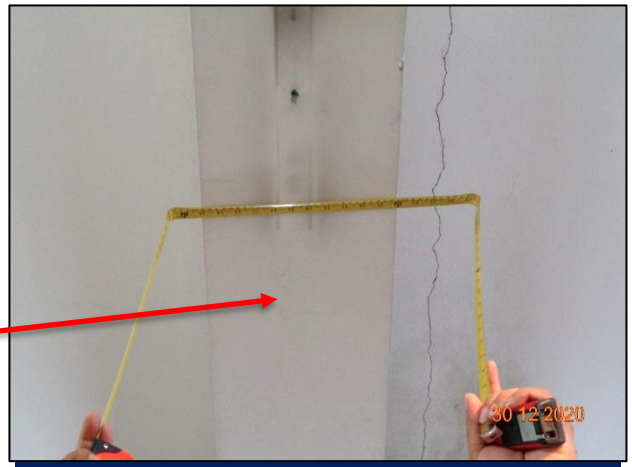
Observations: Building 02-Knitting Building

Capacity of second floor beam to be checked

Observations: Building 02-Knitting Building



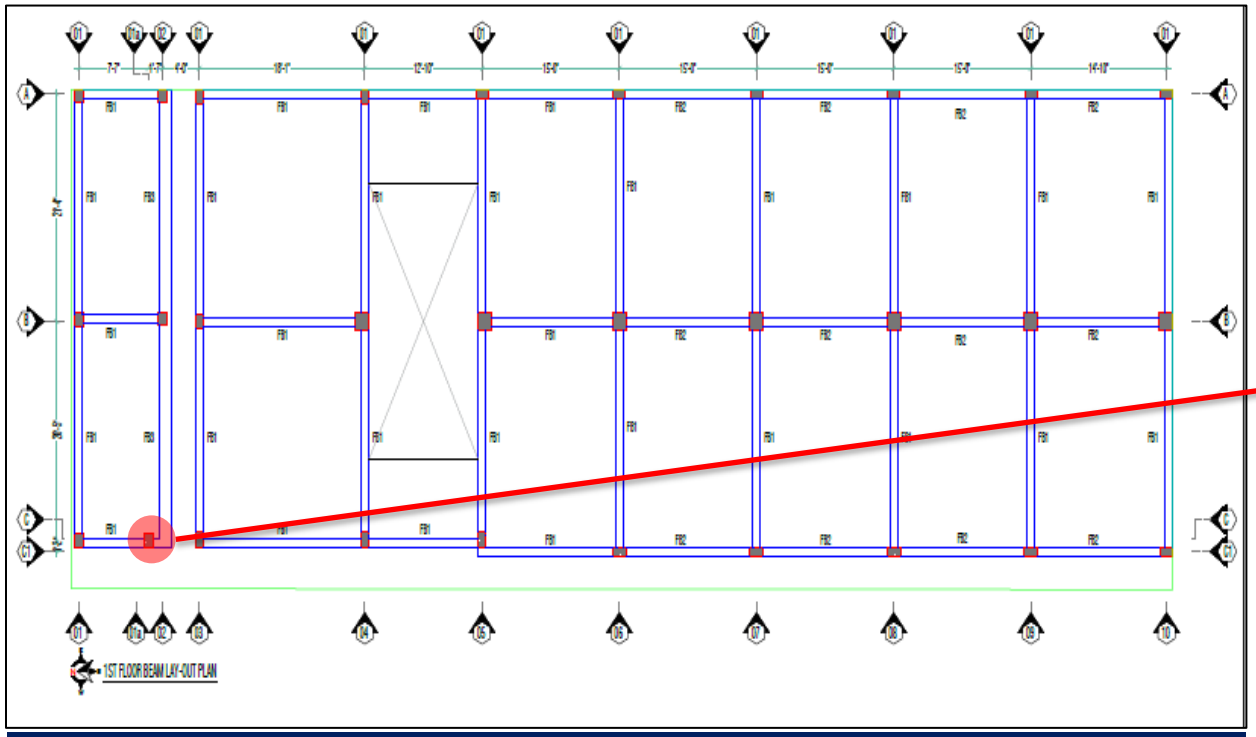




Beam width measured 275 mm

Width of Floor Beam FB3 was found 275mm instead of 375mm. Factory engineer is required to check the adequacy of highlighted beam under existing loading and update the as-built drawing as per on-site condition.

Observations: Building 02-Knitting Building



Second floor Beam layout

Eccentric connection

Eccentric connection was found in highlighted location of the building where beam is resting outside of column which indicates the irregularity in load transfer system. Factory engineer is required to check the adequacy of highlighted beam under existing loading and update the as-built drawing as per on-site condition.

Observations: Building 02-Knitting Building

Lightweight roof shed over stair case appears to be non-engineered

Observations: Building 02-Knitting Building

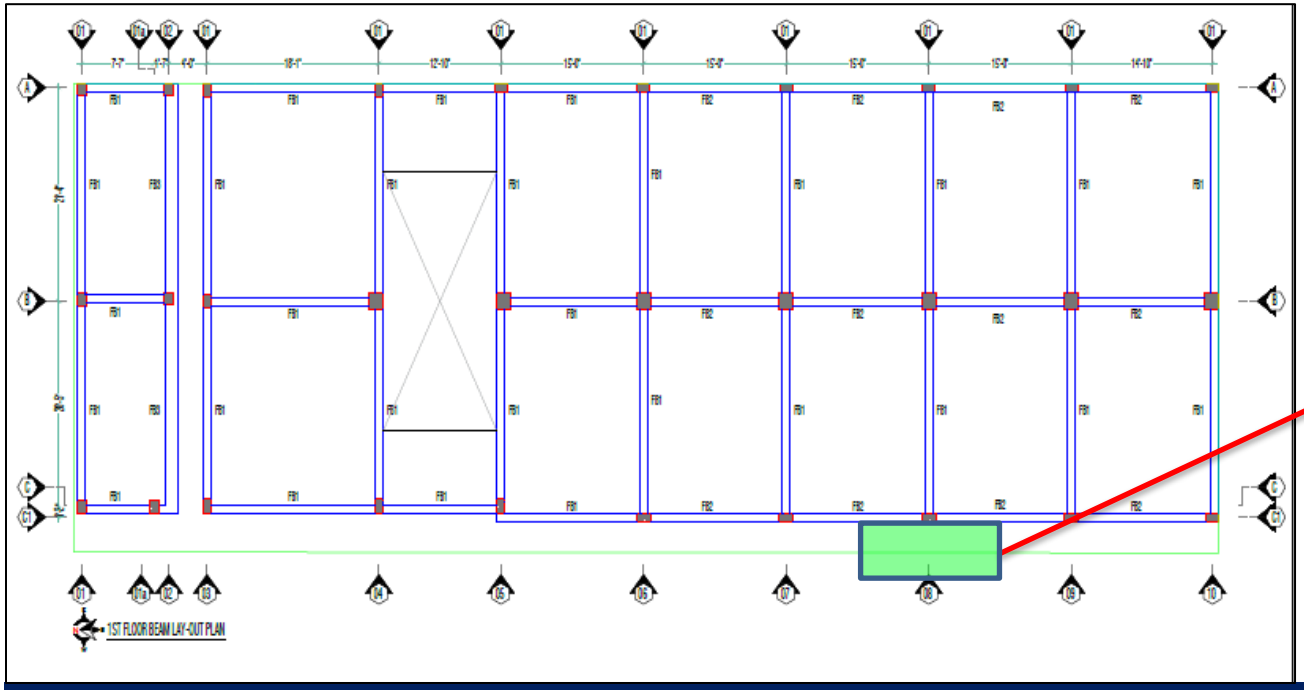
Connection of steel member with brick wall

A lightweight roof shed was found over stair-case. Connection of the steel members with brick wall appears to be non-engineered and steel members appears to be undersized. Factory engineer is required to replace the shed with proper connection and adequate member size otherwise demolish the shed.

Observations: Building 02-Knitting Building

Undocumented external steel stair at west side

Observations: Building 02-Knitting Building

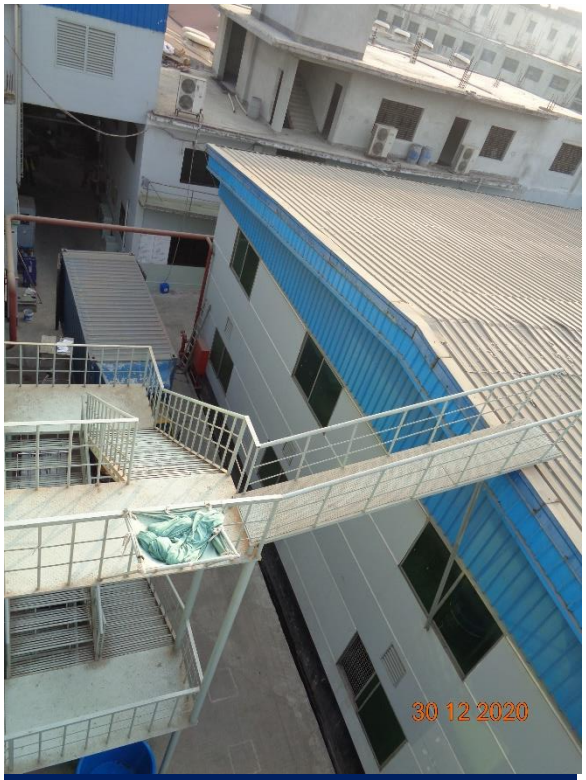


An undocumented steel stair was found adjacent to knitting building. No drawing was available for this steel stair. Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.

Observations: Building 02-Knitting Building

Falling hazard at external stair

Access path to Yarn building



Adjacent steel stair

Adjacent steel stair has access to yarn building which may cause falling hazard. Factory is required to restrict access to Yarn Dyeing Building through this opening.

Observations: Building 02-Knitting Building

Exposed rebar at stair landing

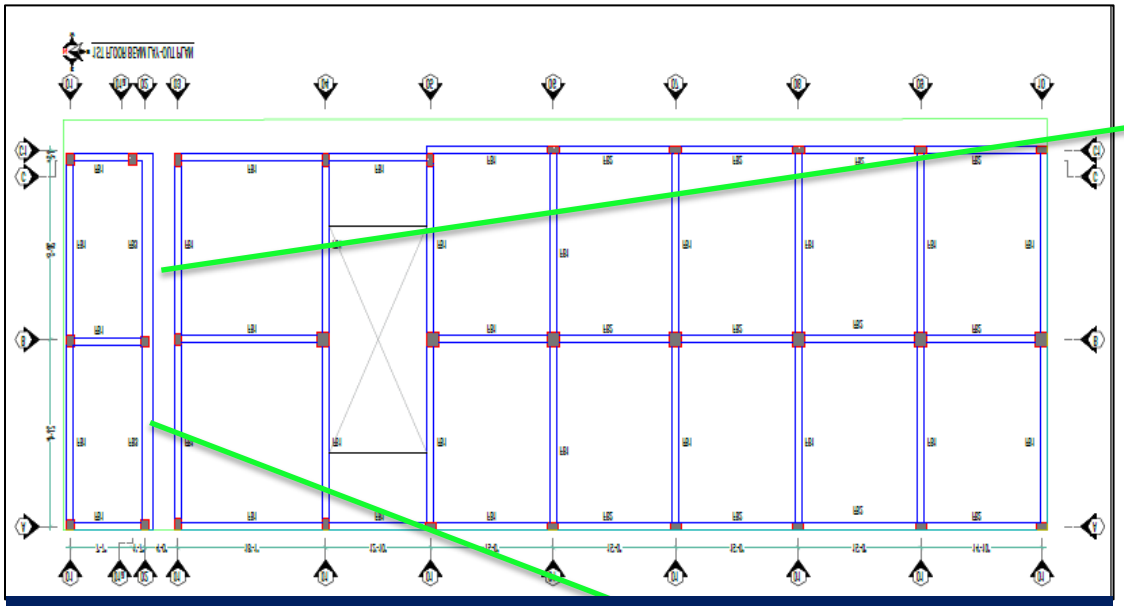
Observations: Building 02-Knitting Building

Exposed rebar at landing

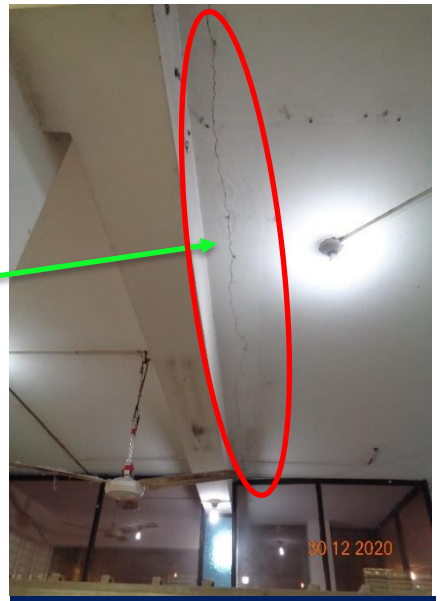
Exposed rebar was found on roof stair landing. The exposed rebar's are prone to be corroded. Factory is required to provide rust proof paint to prevent future corrosion.

Observations: Building 02-Knitting Building

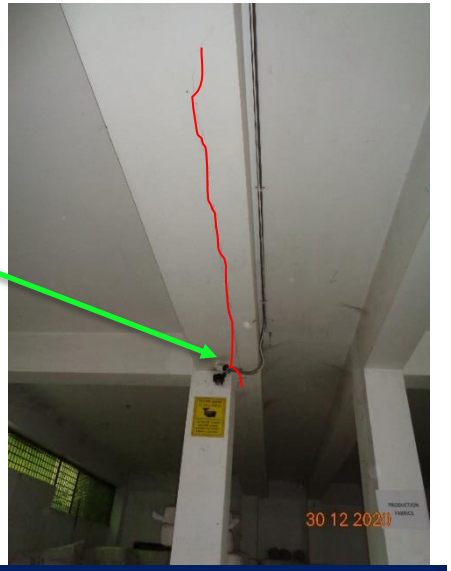
Cracks in beam and slab



Beam Layout



Crack in 2nd floor slab

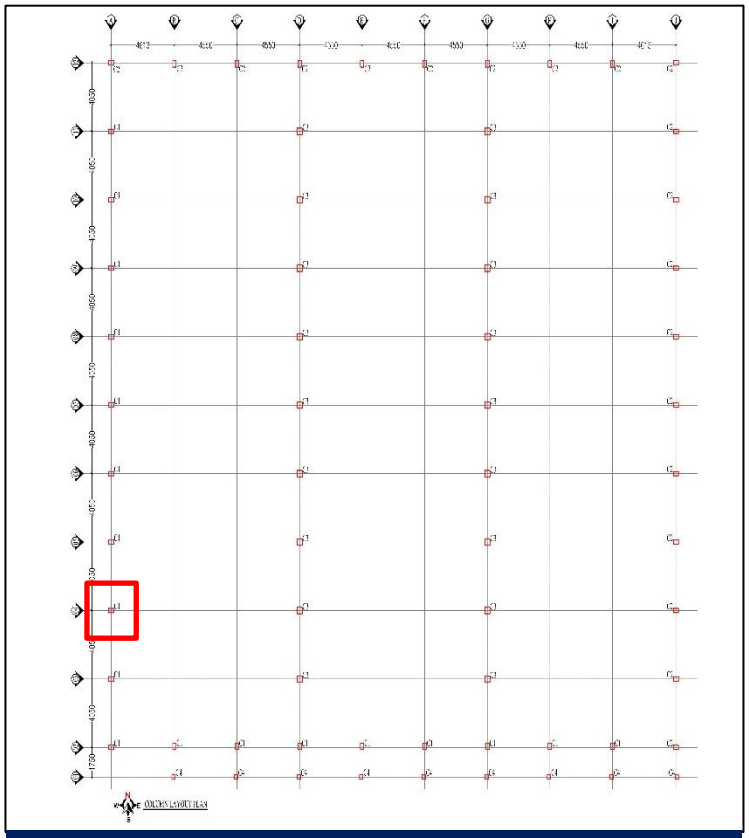


Crack in 1st floor beam

Crack was found in second floor slab and first floor beam. Factory engineer is required to investigate the cause of crack and repair the crack with a suitable method.

Observations: Building 02-Knitting Building

Crack in column



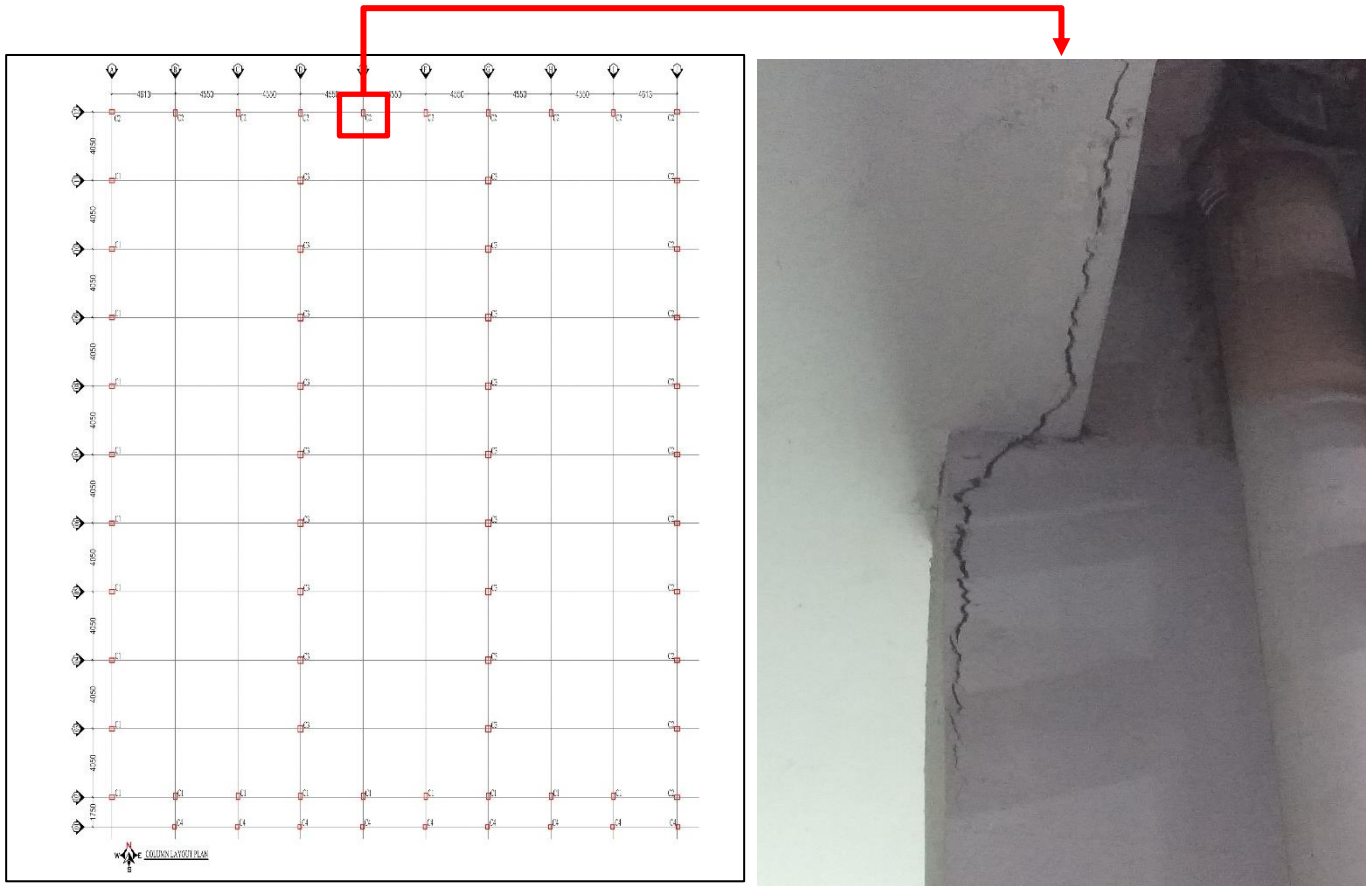
Column layout (cracked column is marked)

Design report

Crack extended to rebars

During inspection, marked column was found cracked on the surface. Upon breaking it was revealed that the crack extends up to rebar. Factory engineer is immediately required to investigate the cause of crack and repair the crack with a suitable method.

Observations: Building 03-Dyeing Shed (Part A)

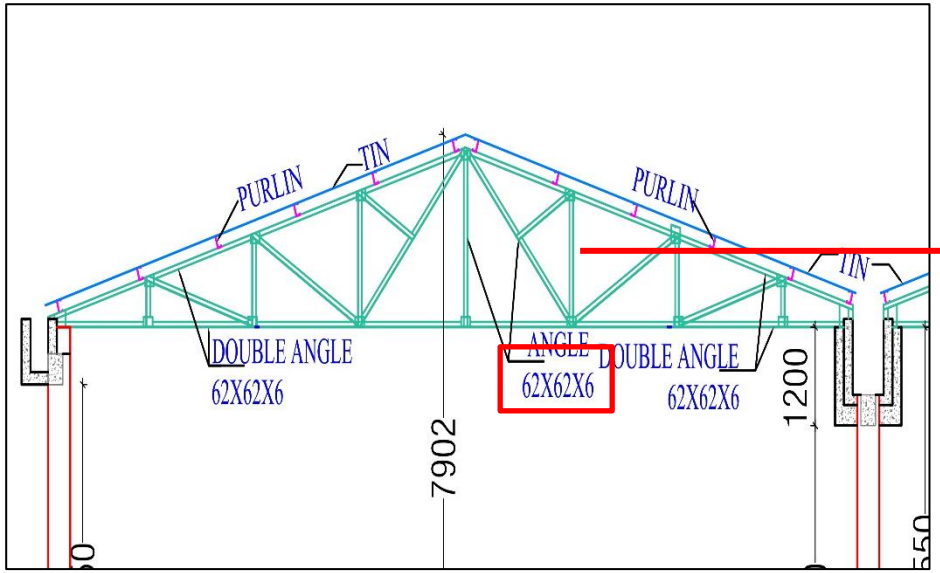


Column layout (cracked column is marked)

During inspection, cracks were observed on highlighted column. Factory engineer is immediately required to investigate the cause of crack and repair the crack with a suitable method.

Observations: Building 03-Dyeing Shed (Part A)

Discrepancies in as-built drawing with on-site condition



Size of diagonal Section shown in drawing 62X62X6

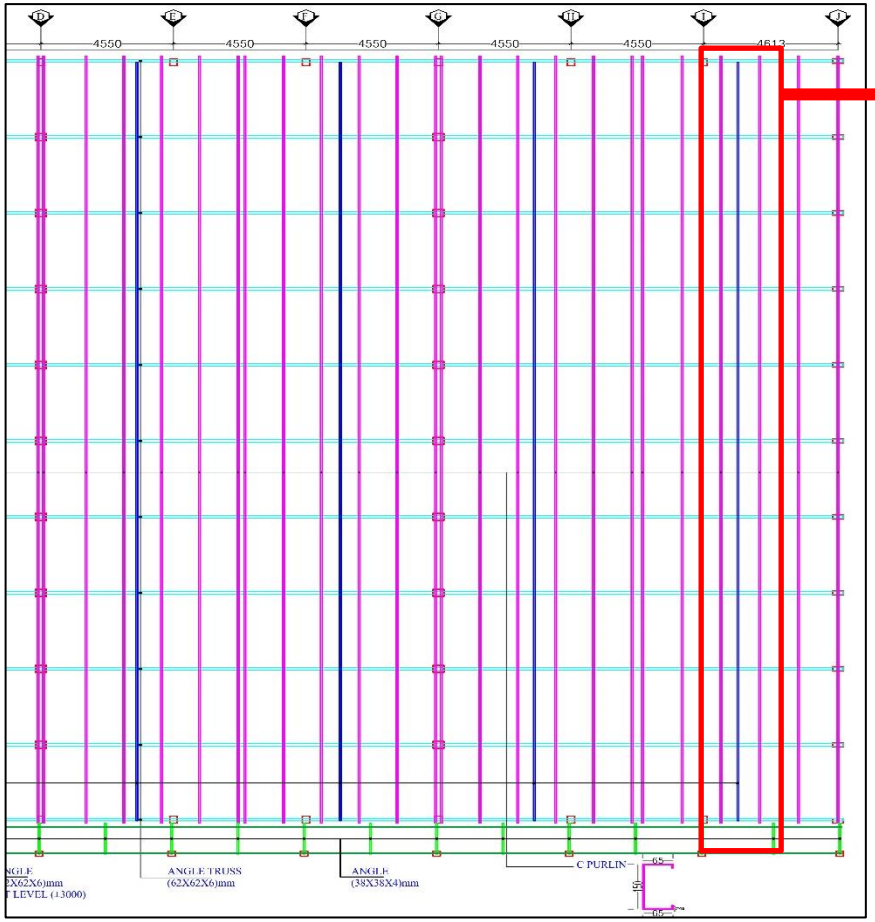
Size measured on site 50X50X6.

The dimension of diagonals of the truss was found 50X50X6 instead of 62X62X6. Factory engineer is required to check the adequacy of truss members against lateral load and update the as-built drawing as per on-site condition.

Observations: Building 03-Dyeing Shed (Part A)

Lack of lateral stability

Observations: Building 03-Dyeing Shed (Part A)



Roof purlin layout plan

Compression strut marked in the picture

The trusses are connected with one another by compression struts only along long direction and roof bracing is not provided therefore lateral stability system along long direction appears to be weak. Factory engineer is required to check the lateral stability of the shed against all lateral loading.

Observations: Building 03-Dyeing Shed (Part A)

Crack and dampness in wall

Observations: Building 03-Dyeing Shed (Part A)

Dampness in wall

Crack in wall

Crack and dampness were found at side wall of the shed. Factory engineer is required to investigate the cause of the crack and dampness. Repair all cracks and dampness as per investigation report.

Observations: Building 03-Dyeing Shed (Part A)

Heavy Corrosion on Structural Members

Observations: Building 03-Dyeing Shed(Part B)

Corrosion damaged column

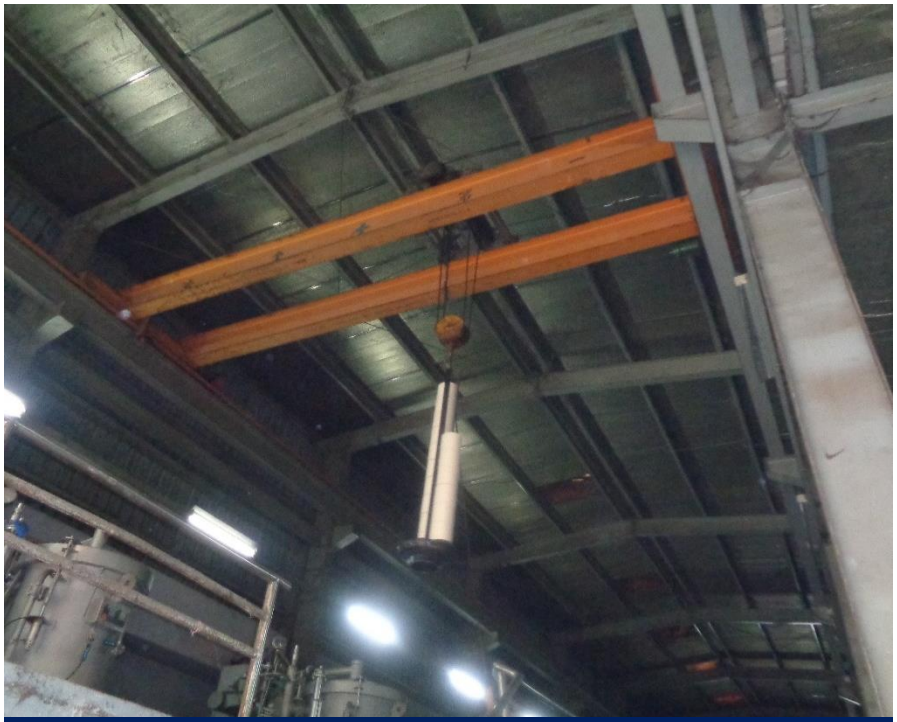
Corroded column

Several columns were found heavily corroded at the time of inspection. Factory engineer is immediately required to investigate the cause of corrosion, repair the corroded columns with a suitable method and provide rust proof paint to all steel members to prevent future corrosion.

Observations: Building 03-Dyeing Shed(Part B)

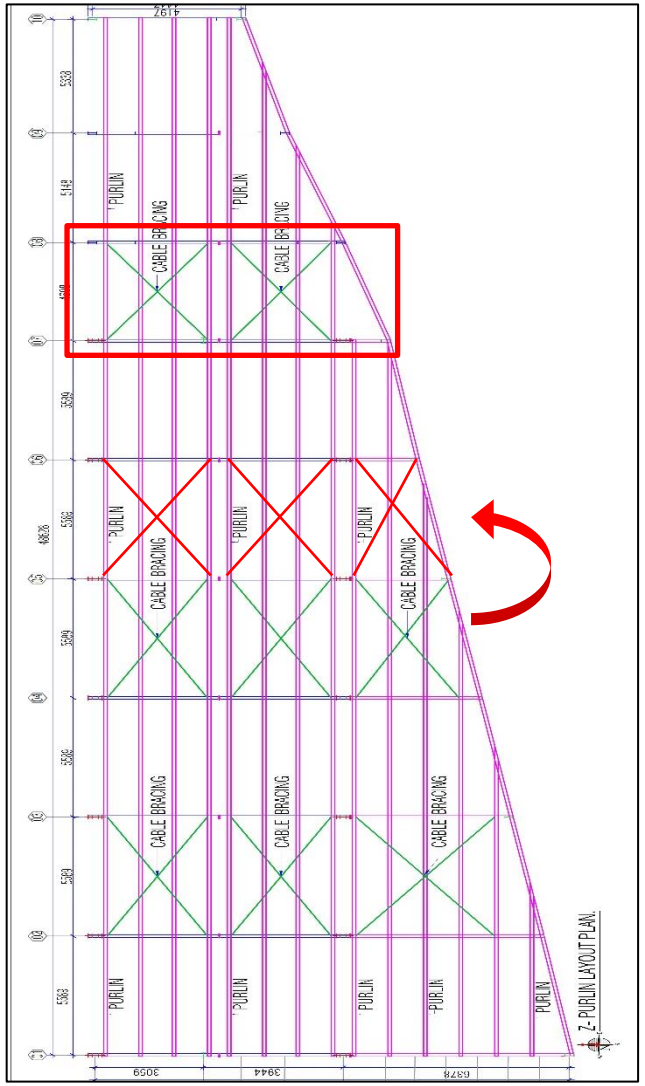
Discrepancies in as-built drawing with on-site condition

Observations: Building 03-Dyeing Shed(Part B)



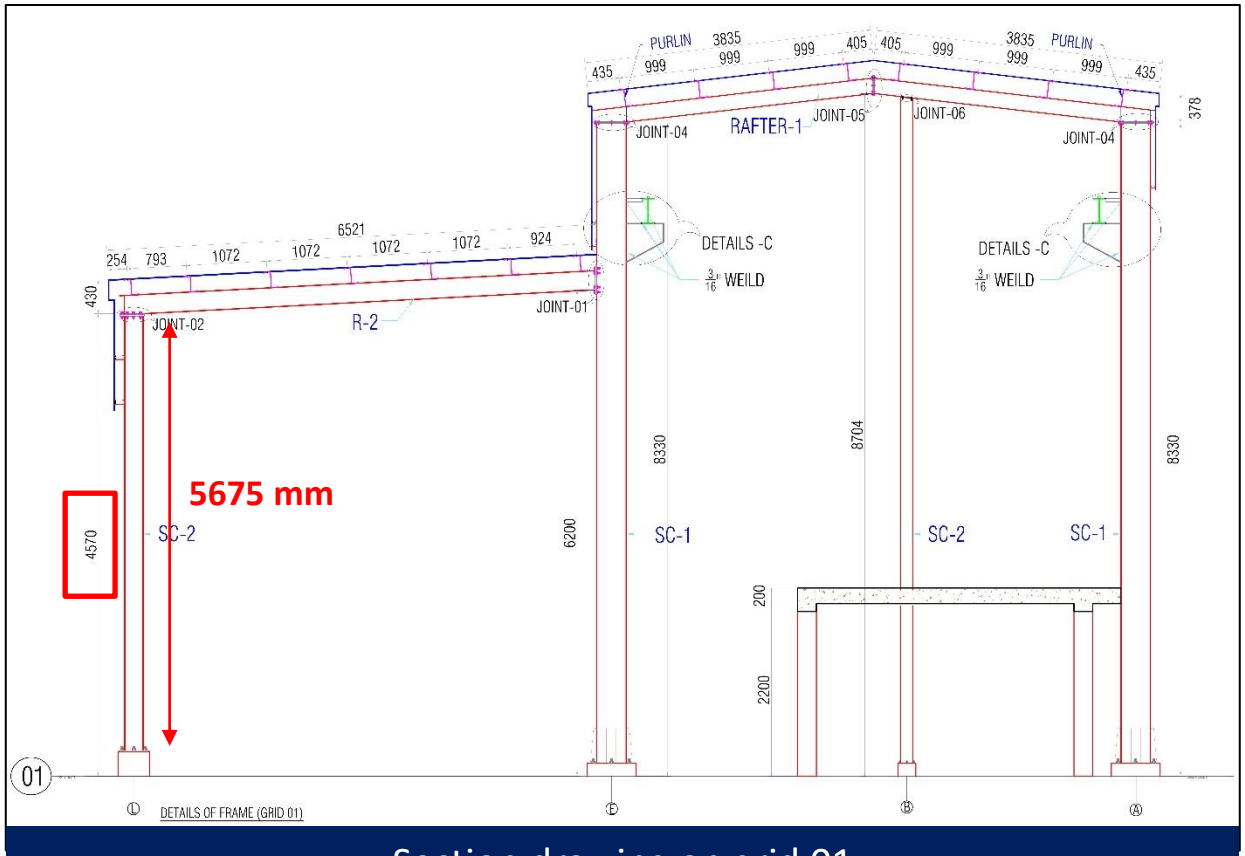
Interior of Dyeing Shed (Part B)

Roof bracings were supposed to be between gridline 4 and 5 as per as built drawings but during inspection cable bracings were found between gridline 5 and gridline 6. Also, bracings between gridline 7 and gridline 8 were missing. Factory engineer is required to check the lateral stability of the shed considering the discrepancies and update the as-built drawing as per on-site condition.



Purlin and roof cable bracing layout

Observations: Building 03-Dyeing Shed(Part B)



Section drawing on grid 01

As per as built drawings, marked height on grid 01 was supposed to be 4570 mm but on site it was measured to be 5675 mm. Factory engineer is required to check the lateral stability of the shed considering the discrepancies and update the as-built drawing as per on-site condition.

Observations: Building 03-Dyeing Shed(Part B)

Undocumented Mezzanine Floor

Drawing is not available for mezzanine floor

Dampness in column

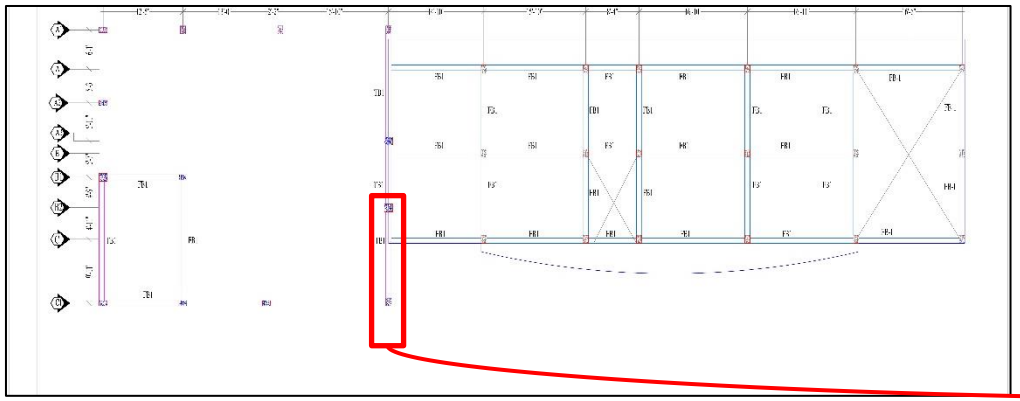
Hole in the slab for boiler pipe

An undocumented Mezzanine floor was found inside Building-3 (Dyeing Shed (part-B) and no drawing was available for this structure. Dampness was visible in column and a whole was found in slab. Factory engineer is required to survey the whole structures and produce as-built drawing for this structure. Check the adequacy of the slab and repair if required. Also, repair all damp areas by the guidance of factory engineer.

Observations: Building 03-Dyeing Shed(Part B)

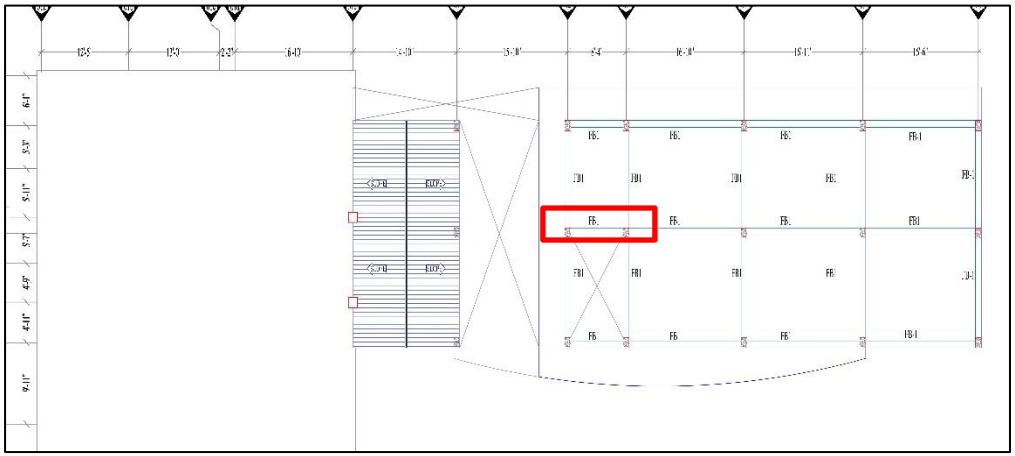
Discrepancies in as-built drawing with on-site condition

Observations: Building 04-Dyeing Office



Marked beam in the 2nd floor beam layout was missing onsite.

Missing beam



Marked beam in the 3rd floor beam layout was found missing onsite.

Some beams were missing physically at several locations which were shown in provided drawing. Factory engineer is required to survey the whole structures and produce as-built drawing for this structure. Also, review the adequacy of the structural system considering the missing beams.

Observations: Building 04-Dyeing Office

Falling hazard at roof level and stair area

Observations: Building 04-Dyeing Office

Railing is missing at staircase

Cantilever portion has no railing

Roof has no parapet wall

Railing was missing at staircase, cantilevered areas and roof level which is prone to falling hazard. Factory is required to provide railing/parapet to prevent those areas from falling hazard.

Observations: Building 04-Dyeing Office

Exposed Rebar at roof level

Exposed rebar

Exposed rebar

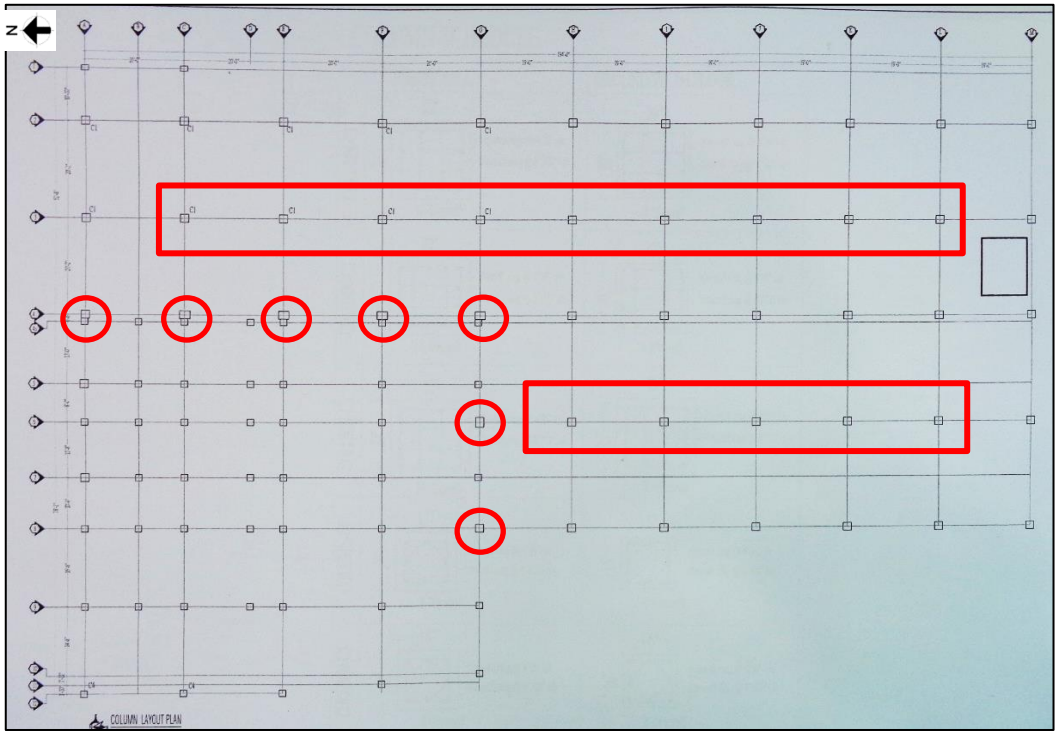
Exposed rebar

Exposed rebar was found at roof level which is prone to corrosion. Factory is required to provide rust proof paint on all exposed rebar to protect from corrosion. Otherwise remove all the exposed rebar.

Observations: Building 04-Dyeing Office

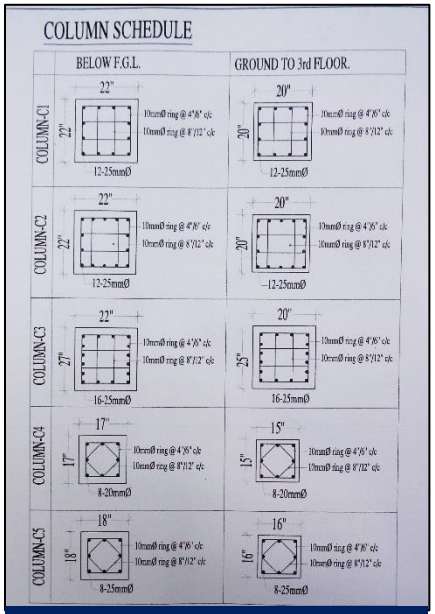
Discrepancies in as-built drawing with on-site condition

Observations: Building 05-Stenter Building

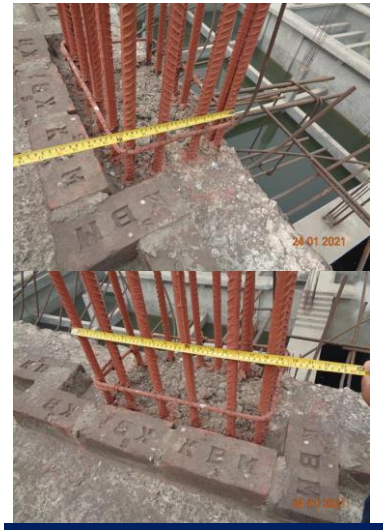


Column ID of highlighted columns is not mentioned in layout.

The columns of the marked locations (Rectangle) were only found at ground floor. These columns were not extended at upper floors. Also, columns at circular marked location was found 600X400 mm. Neither column ID for those columns shown in column layout nor dimension of those columns matched with any type of column shown in column schedule. Factory engineer is required to survey the whole structure and update as-built drawing as per onsite condition.



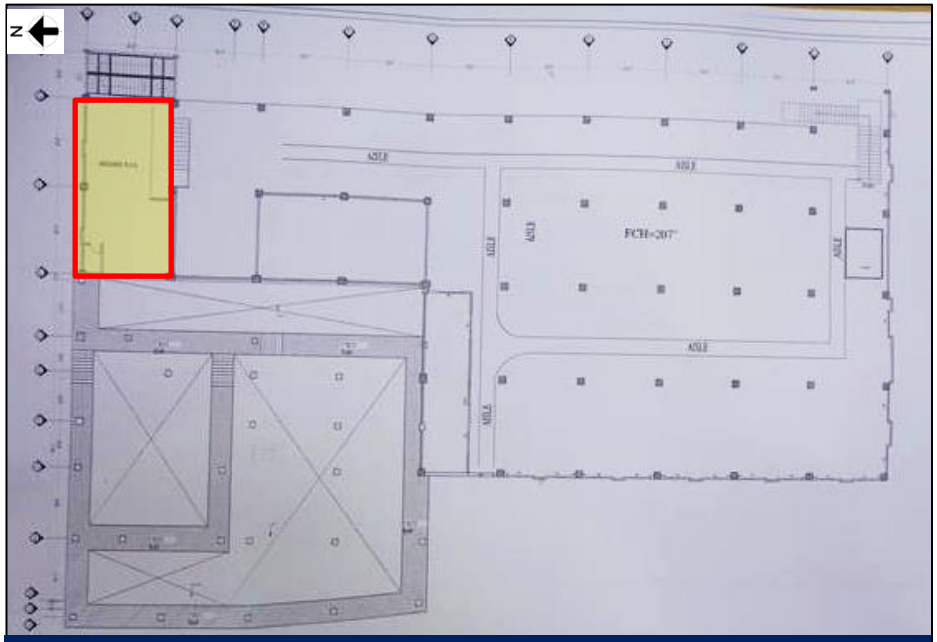
Column Schedule



Column was found 600X400mm.
Re-bar: #16Ø20mm

Circular Marked Columns at site

Observations: Building 05-Stenter Building



Mezzanine floor layout plan

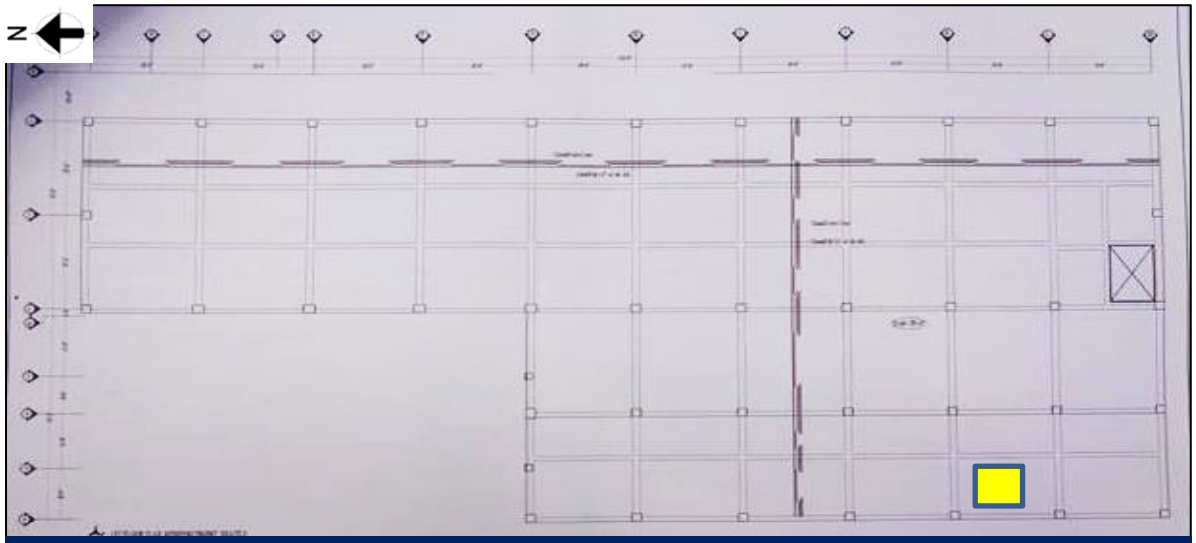
Inside Mezzanine floor

Mezzanine floor is supported by steel Beam and Column frame structure. But no structural information has been provided in drawing regarding this steel structure.

Factory engineer is required to survey the whole structure and update the as-built drawing.

Steel Mezzanine

Observations: Building 05-Stenter Building



Slab reinforcement Details

Slab perforation was found at 1st floor at marked location in layout. No information has been provided in as-built drawing. Size of the perforation was found 3.05X3.05 m.

As per BNBC every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC. At the time of inspection, no Design report was available for this structure and only as-built drawing was available. Factory engineer is required to produce the Design report in accordance with section 1.9.1.1 and update the as-built drawing in accordance with the section 1.9.1.2 (BNBC part-6) considering all highlighted discrepancies.

Undocumented canopy was found at entry of the building which is structurally connected with Builing-5. No information has been provided in drawing.

Observations: Building 05-Stenter Building

Future Vertical Extension

Building was found constructed up-to two storied. Factory authority has verbally informed that they are intended to extend the building vertically in future. Also, extended column, beam and slab rebar was found for future extension. Architectural and Structural drawing were found only for the two storied. Factory engineer is required to prepare Detail Engineering Assessment (DEA) including full set of as-built drawing for the structure prior to commencement of further extension work.

Observation : Building 05-Stenter Building

Falling hazard at Roof level

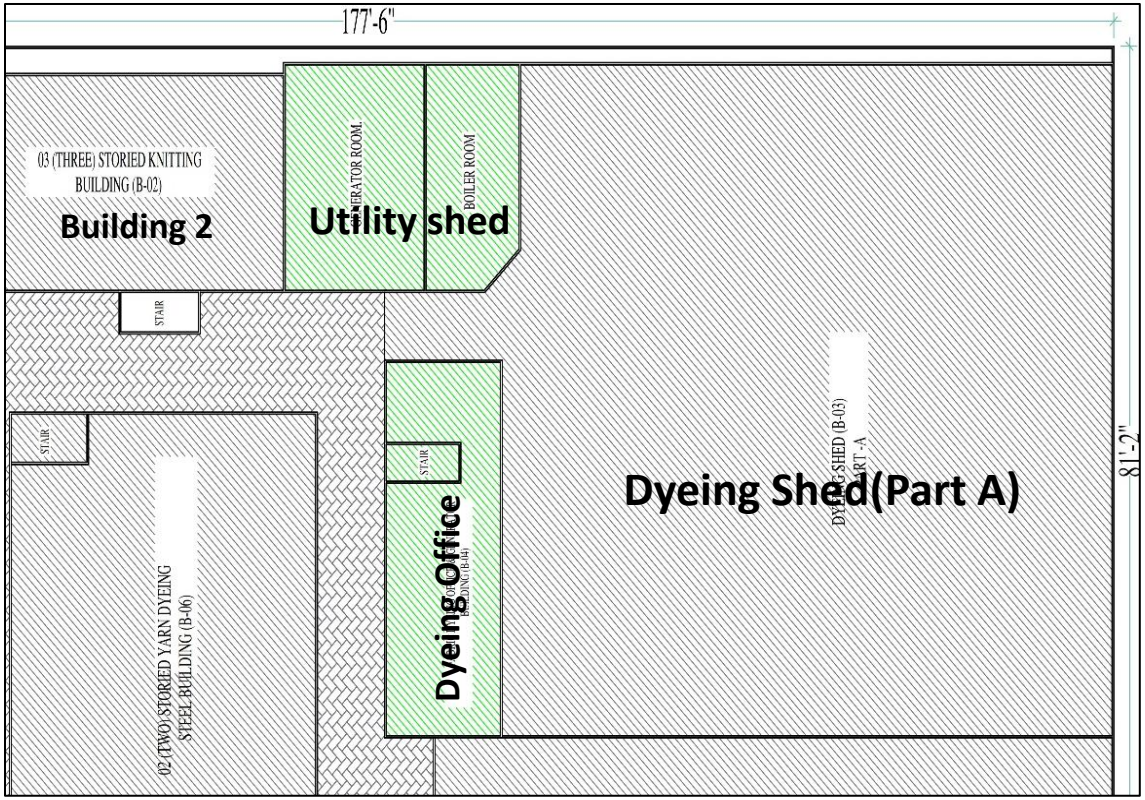
Observation : Building 05-Stenter Building

No parapet/railing was found at roof level but access to roof was still available which prone to possible falling hazard. Factory is required to provide parapet or railing at roof level to prevent possible falling hazard otherwise restrict all access to roof.

Observation : Building 05-Stenter Building

Structural connections need to be verified

Observations: Dyeing Shed(Part A), Dyeing Office, Generator Room, Knitting Building



Utility shed connected with Building 03-Dyeing Shed (Part-A) by continuous truss

Building 03-dyeing shed (part-A) was found structurally connected with Dyeing Office and Utility shed. Also, Utility Shed was found structurally connected with Building 02 (knitting building). Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition. Also, analyze these structures separately as independent structure.

Slab of dyeing office appears to be connected with column of dyeing shed (part-A)

Observations: Dyeing Shed(Part A), Dyeing Office, Generator Room, Knitting Building

Apparently non engineered ancillary structures

Observations: Boiler Shed, Guard room & compressor room, Security Dormitory and Main entry shed

Interior part of Boiler Shed

Interior part of the Sub-station shed and guard room

Interior part of the Security Dormitory shed

The connections of these sheds appear to be non engineered and steel members appear to be undersized. Building engineer is required to check the adequacy of the sheds or Replace with the engineered sheds.

Main Entry shed

Observations: Boiler Shed, Guard room & compressor room, Security Dormitory and Main entry shed

Problems Observed

Building 01-Garments Building:

Item 1: Discrepancies in as-built drawing with on-site condition

Item 2: Dampness in masonry wall near washroom

Item 3: Discrepancies in as-built drawing with on-site condition (roof shed)

Item 4: Loose bracing in roof shed

Item 5: Corrosion in steel member (roof shed)

Item 6: Gap in connection (roof shed)

Building 02-Knitting Building:

Item 7: Discrepancies in as-built drawing with on-site condition

Item 8: Capacity of second floor beam to be checked

Item 9: Lightweight roof shed over staircase appears to be non-engineered

Item 10: Undocumented external steel stair at west side

Item 11: Falling Hazard at external stair

Item 12: Exposed rebar at stair landing

Item 13: Cracks in beam and slab

Problems Observed

Building 03-Dyeing Shed(Part A):

Item 14: Crack in column

Item 15: Discrepancies in as-built drawing with on-site condition

Item 16: Lack of lateral stability

Item 17: Crack and dampness in wall

Building 03-Dyeing Shed(Part B):

Item 18: Heavy Corrosion in Structural Members

Item 19: Discrepancies in as-built drawing with on-site condition

Item 20: Undocumented Mezzanine Floor

Building 04-Dyeing Office:

Item 21: Discrepancies in as-built drawing with on-site condition

Item 22: Falling hazard at roof level and stair area

Item 23: Exposed Rebar at roof level

Problems Observed

Building 05-Stenter Building:

Item 24: Discrepancies in as-built drawing with on-site condition

Item 25: Future Vertical Extension

Item 26: Falling hazard at Roof level

Building 03-Dyeing Shed(Part A), Building 04-Dyeing Office, Utility Building, Building 02-Knitting Building:

Item 27: Structural connections need to be verified

Boiler Shed, Guard room & compressor room, Security Dormitory and Main entry shed:

Item 28: Apparently non engineered ancillary structures

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Discrepancies in as-built drawing with on-site condition (Building 01-Garments Building)	Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.	6-weeks
02	Discrepancies in as-built drawing with on-site condition (Building 01-Garments Building)	Factory engineer is required to review the column stress according to the floor capacity.	6-weeks
03	Discrepancies in as-built drawing with on-site condition (Building 01-Garments Building)	Complete implementation of any remedial works deemed necessary.	6-months
04	Dampness in masonry wall near washroom (Building 01-Garments Building)	Factory engineer is required to investigate the reason of dampness and apply suitable method to repair dampness.	6-weeks
05	Discrepancies in as-built drawing with on-site condition (Building 01-Garments Building-roof shed)	Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.	6-weeks
06	Loose bracing in roof shed (Building 01-Garments Building)	Factory engineer is required to survey the whole structure and tighten all loose bracings.	6-weeks
07	Corrosion in steel member (Building 01-Garments Building-roof shed)	Factory engineer is required to identify the corroded locations and investigate the reason of corrosion and implement proper remedial measure accordingly.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
08	Gap in connection (Building 01-Garments Building-roof shed)	Factory is required to repair the connection gaps as per guidance by the factory engineer.	6-weeks
09	Discrepancies in as-built drawing with on-site condition (Building 02-Knitting Building)	Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.	6-weeks
10	Discrepancies in as-built drawing with on-site condition (Building 02-Knitting Building)	Factory engineer is required to review the column stress according to the floor capacity.	6-weeks
11	Discrepancies in as-built drawing with on-site condition (Building 02-Knitting Building)	Complete implementation of any remedial works deemed necessary.	6-months
12	Capacity of second floor beam to be checked (Building 02-Knitting Building)	Factory engineer is required to update the as-built drawing as per on-site condition.	6-weeks
13	Capacity of second floor beam to be checked (Building 02-Knitting Building)	Factory engineer is required to check the adequacy of highlighted beam under existing loading.	6-weeks
14	Capacity of second floor beam to be checked (Building 02-Knitting Building)	Complete implementation of any remedial works deemed necessary.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
15	Lightweight roof shed over staircase appears to be non-engineered (Building 02-Knitting Building)	Factory engineer is required to replace the shed with proper connection and adequate member otherwise demolish the shed.	6-weeks
16	Undocumented external steel stair at west side (Building 02-Knitting Building)	Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.	6-weeks
17	Falling hazard at external steel stair (Building 02-Knitting Building)	Factory is required to restrict access to Yarn Dyeing Building through this opening.	6-weeks
18	Exposed rebar at stair landing (Building 02-Knitting Building)	Factory is required to provide rust proof paint to prevent future corrosion.	6-weeks
19	Cracks in beam and slab (Building 02-Knitting Building)	Factory engineer is required to investigate the cause of crack and repair the crack with a suitable method.	6-weeks
20	Crack in column (Building 03-Dyeing shed (Part-A))	Factory engineer is immediately required to investigate the cause of crack and propose remediation plan.	Immediate - Now
21	Crack in column (Building 03-Dyeing shed (Part-A))	Repair the crack as per investigation report.	Immediate - Now
22	Crack in column (Building 03-Dyeing shed (Part-A))	Monitor crack in an on-going basis.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
23	Discrepancies in as-built drawing with on-site condition (Building 03-Dyeing shed (Part-A))	Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.	6-weeks
24	Discrepancies in as-built drawing with on-site condition (Building 03-Dyeing shed (Part-A))	Factory engineer is required to check the adequacy of truss members against lateral load.	6-weeks
25	Discrepancies in as-built drawing with on-site condition (Building 03-Dyeing shed (Part-A))	Complete implementation of any remedial works deemed necessary.	6-months
26	Lack of lateral stability (Building 03-Dyeing shed (Part-A))	Factory engineer is required to check the lateral stability of the shed against all lateral loading.	6-weeks
27	Lack of lateral stability (Building 03-Dyeing shed (Part-A))	Complete implementation of any remedial works deemed necessary.	6-months
28	Crack and dampness in wall (Building 03-Dyeing shed (Part-A))	Factory engineer is required to investigate the cause of the crack and repair the crack accordingly.	6-weeks
29	Crack and dampness in wall (Building 03-Dyeing shed (Part-A))	Factory engineer is required to investigate the cause of the dampness and repair the damp areas accordingly.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
30	Heavy Corrosion in Structural Members (Building 03-Dyeing Shed (Part-B))	Factory engineer is immediately required to investigate the cause of corrosion, repair the corroded columns with a suitable method and provide rust proof paint to all steel members to prevent future corrosion.	Immediate - Now
31	Discrepancies in as-built drawing with on-site condition (Building 03-Dyeing shed (Part-B))	Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.	6-weeks
32	Discrepancies in as-built drawing with on-site condition (Building 03-Dyeing shed (Part-B))	Factory engineer is required to check the lateral stability of the shed considering the discrepancies.	6-weeks
33	Discrepancies in as-built drawing with on-site condition (Building 03-Dyeing shed (Part-B))	Complete implementation of any remedial works deemed necessary.	6-months
34	Undocumented Mezzanine Floor (Building 03-Dyeing shed (Part-B))	Factory engineer is required to survey the whole structures and produce as-built drawing for this structure.	6-weeks
35	Undocumented Mezzanine Floor (Building 03-Dyeing shed (Part-B))	Check the adequacy of the slab considering the perforation.	6-weeks
36	Undocumented Mezzanine Floor (Building 03-Dyeing shed (Part-B))	Repair all damp areas by the guidance of factory engineer.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
37	Undocumented Mezzanine Floor (Building 03-Dyeing shed (Part-B))	Complete implementation of any remedial works deemed necessary from the slab adequacy check.	6-months
38	Discrepancies in as-built drawing with on-site condition (Building 04-Dyeing office)	Factory engineer is required to survey the whole structures and produce as-built drawing for this structure.	6-weeks
39	Discrepancies in as-built drawing with on-site condition (Building 04-Dyeing office)	Factory engineer is required to review the adequacy of the structural system considering the missing beams.	6-weeks
40	Discrepancies in as-built drawing with on-site condition (Building 04-Dyeing office)	Complete implementation of any remedial works deemed necessary.	6-months
41	Falling hazard at roof level and stair area (Building 04-Dyeing Office)	Factory is required to provide railing/parapet to prevent those areas from falling hazard.	6-weeks
42	Exposed Rebar at roof level (Building 04-Dyeing Office)	Factory is required to provide rust proof paint on all exposed rebar to protect from corrosion. Otherwise remove all the exposed rebar.	6-weeks
43	Discrepancies in as-built drawing with on-site condition (Building 05-Stenter Building)	Factory engineer is required to survey the whole structure and update as-built drawing as per onsite condition in accordance with the section 1.9.1.2 (BNBC part-6).	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
44	Discrepancies in as-built drawing with on-site condition (Building 05-Stenter Building)	Factory engineer is required to produce the Design report in accordance with section 1.9.1.1 (BNBC part-6).	6-weeks
45	Discrepancies in as-built drawing with on-site condition (Building 05-Stenter Building)	Complete implementation of any remedial works deemed necessary.	6-months
46	Future Vertical Extension (Building 05-Stenter Building)	Factory engineer is required to prepare Detail Engineering Assessment (DEA) including full set of as-built drawing for the structure prior to commencement of further extension work.	6-weeks
47	Falling hazard at Roof level (Building 05-Stenter Building)	Factory is required to provide parapet or railing at roof level to prevent possible falling hazard otherwise restrict all access to roof.	6-weeks
48	Structural connections need to be verified (Building 03-Dyeing Shed(Part A), Building 04-Dyeing Office, Utility Building, Building 02-Knitting Building)	Factory engineer is required to survey the whole structure and update the as-built drawing as per on-site condition.	6-weeks
49	Structural connections need to be verified (Building 03-Dyeing Shed(Part A), Building 04-Dyeing Office, Utility Building, Building 02-Knitting Building)	Factory engineer is required to analyze these structures separately as independent structure.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
50	Structural connections need to be verified (Building 03-Dyeing Shed(Part A), Building 04-Dyeing Office, Utility Building, Building 02-Knitting Building)	Complete implementation of any remedial works deemed necessary.	6-months
51	Apparently non engineered ancillary structures (Boiler Shed, Guard room & compressor room, Security Dormitory and Main entry shed)	Factory engineer is required to check the adequacy of the sheds otherwise replace with the engineered sheds.	6-weeks
52	Apparently non engineered ancillary structures (Boiler Shed, Guard room & compressor room, Security Dormitory and Main entry shed)	Complete implementation of any remedial works deemed necessary.	6-months