

Snowtex Sportswear Ltd.

B-65/4, Lakuriapara, Dhulivita, Dhamrai
(23.910371, 90.206833)
3rd March 2021



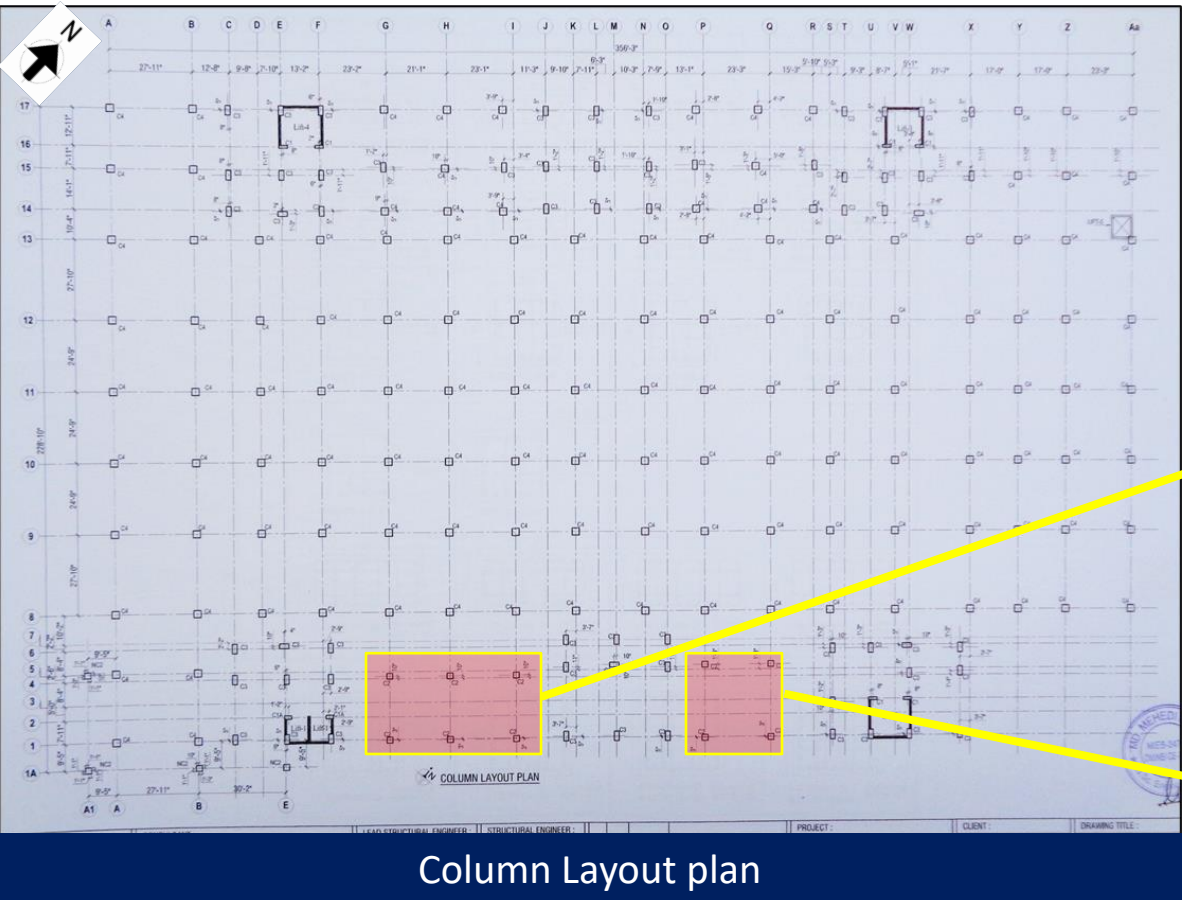
Building Information

1. Building-1 (Main Production Building): (G+6)
2. Building-2 (Compressor) (Single storied)
3. Building-3 (Boiler & Fire pump room (Partially 2 storied)
4. Building-4 Substation & Generator (Single storied)
5. Building-5 Changing room (Single storied)

Observations

Discrepancies in provided drawing

Observations: Building-1 (Main Production Building)

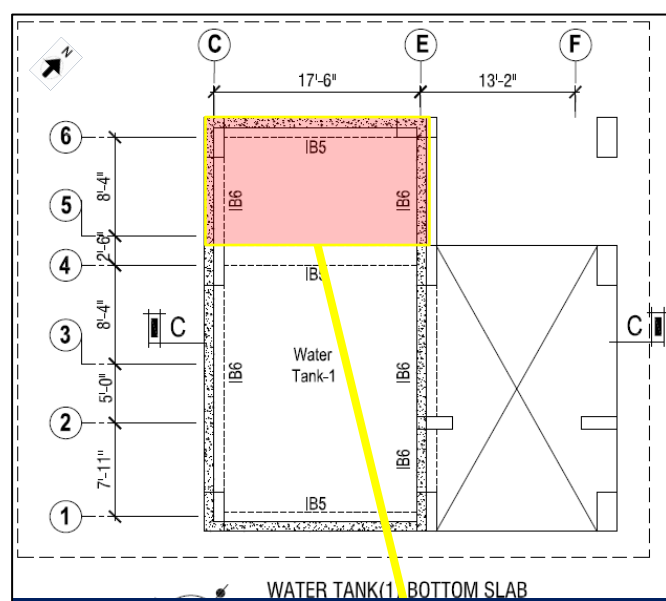


Column Layout plan

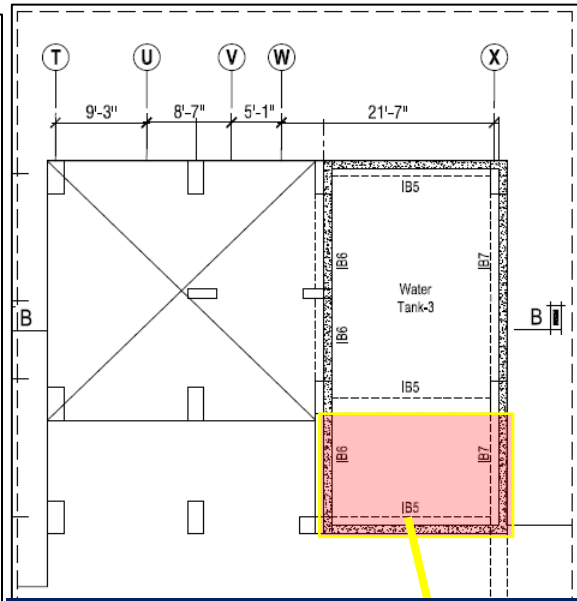


SCHEDULE OF COLUMN REINFORCEMENT				
NAME OF COLUMN	UP TO GB	GB TO 2ND FLOOR LEVEL	2ND TO 5TH FLOOR LEVEL	5TH TO ROOF FLOOR LEVEL
C1	○ 14-25 mm Ø 10 mm Ø @ 5"/7.5" C/C	○ 14-25 mm Ø 10 mm Ø @ 5"/7.5" C/C	○ 8-25 mm Ø ● 6-20 mm Ø 10 mm Ø @ 5"/7.5" C/C	○ 8-25 mm Ø ● 6-20 mm Ø 10 mm Ø @ 5"/7.5" C/C
C2	○ 20-25 mm Ø 10 mm Ø @ 5"/7.5" C/C	○ 20-25 mm Ø 10 mm Ø @ 5"/7.5" C/C	○ 12-25 mm Ø ● 8-20 mm Ø 10 mm Ø @ 5"/7.5" C/C	○ 4-25 mm Ø ● 16-20 mm Ø 10 mm Ø @ 5"/7.5" C/C

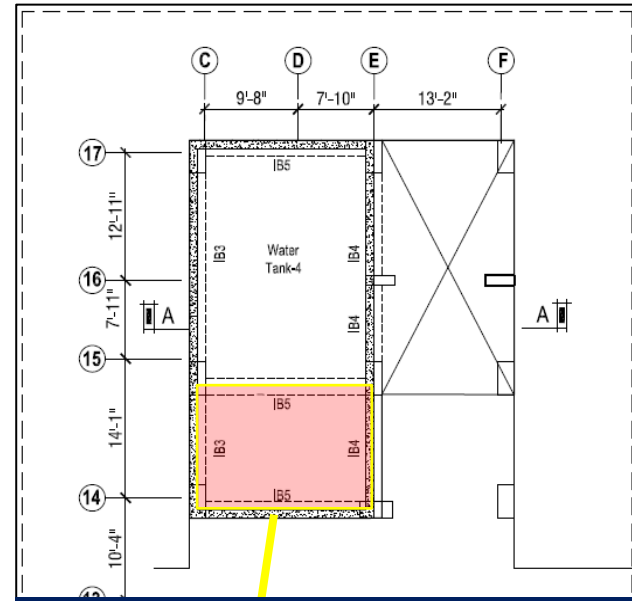
Column at the marked location was found only at ground floor. But in drawing, these columns have been shown up to top floor.
 Factory engineer is required to survey the structures and prepare accurate as-built drawings in compliance with section 1.9.1.2 (Part-6;BNBC)



Overhead water tank -1



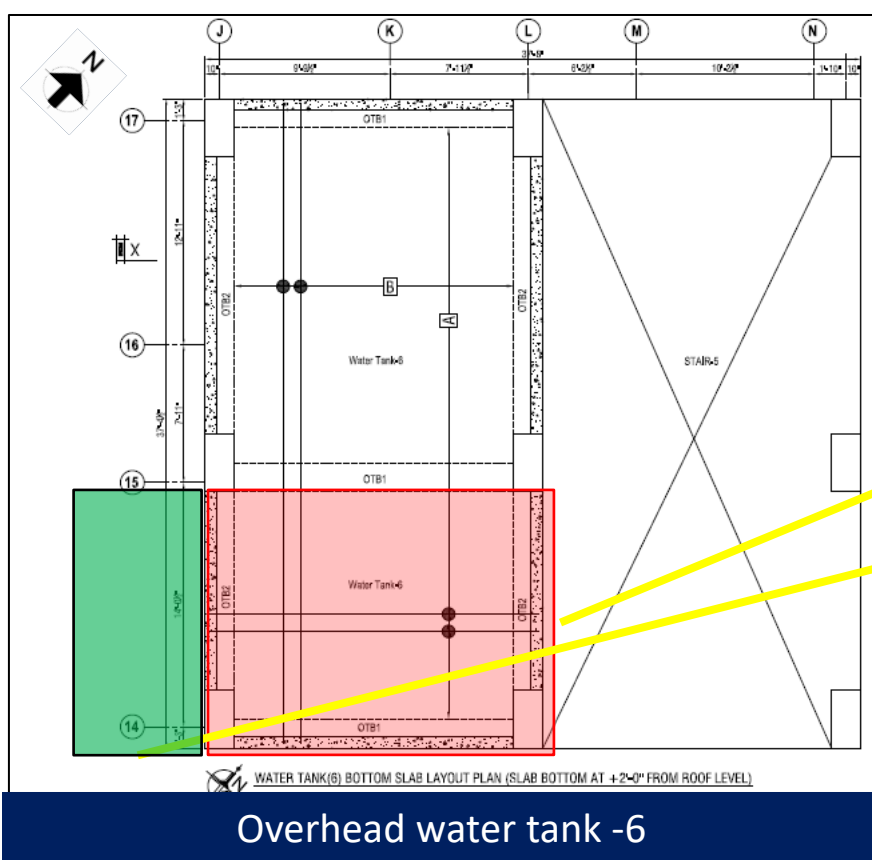
Overhead water tank -3



Overhead water tank -4



Over head water tank was not constructed as per drawing at the marked location. Factory engineer is required to survey the structures and prepare accurate as-built drawings in compliance with section 1.9.1.2 (Part-6;BNBC).



Over head water tank was not constructed as per drawing at the marked location. Factory engineer is required to survey the structures and prepare accurate as-built drawings in compliance with section 1.9.1.2 (Part-6;BNBC)

Design report needs to be prepared



Storage Floor loading



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. During the inspection, the design report was not found which is required to be prepared in compliance with section 1.9.1 (part-6, BNBC).

Design report needs to be prepared



Boiler and pump room Building

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, only provided drawing was available, but no design report and load plan were available which is required to be prepared in compliance with section 1.9.1.1 (part-6, BNBC).

Missing information in provided drawing

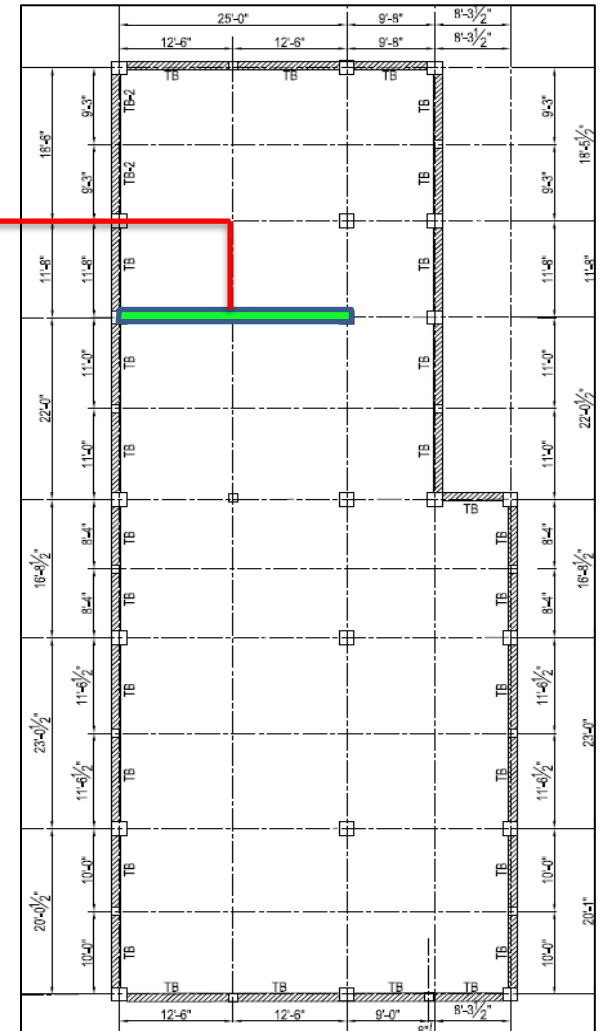


Tie-Beam confirming by ferro-scanner



Tie-Beam

An Additional tie-beam (300mmX550mm) along grid 5A to 5B was found on-site. But no details has been found in provided drawing. Factory engineer is to survey the whole structure and update as-built drawings representing accurate site condition.



Tie-Beam layout

Observations: Building-3 (Boiler & Fire pump room)

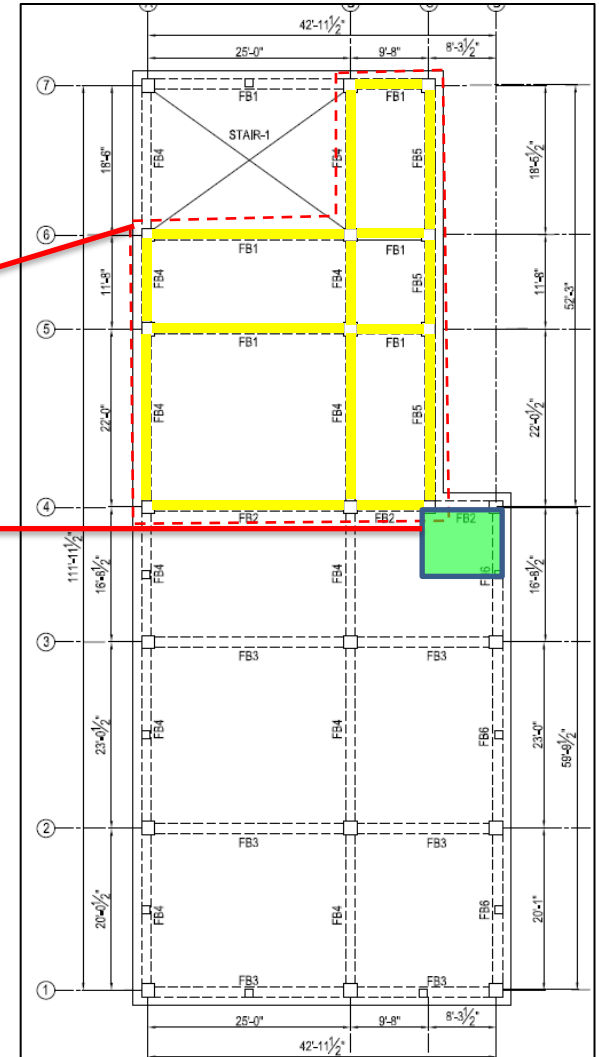


Office room at 1st floor



Undocumented toilet

The marked beams detail has not been shown in provided drawing for 1st floor roof level. Also, an undocumented toilet has been found on roof. Factory Engineer is to survey the whole structure and update as-built drawings representing accurate site condition.



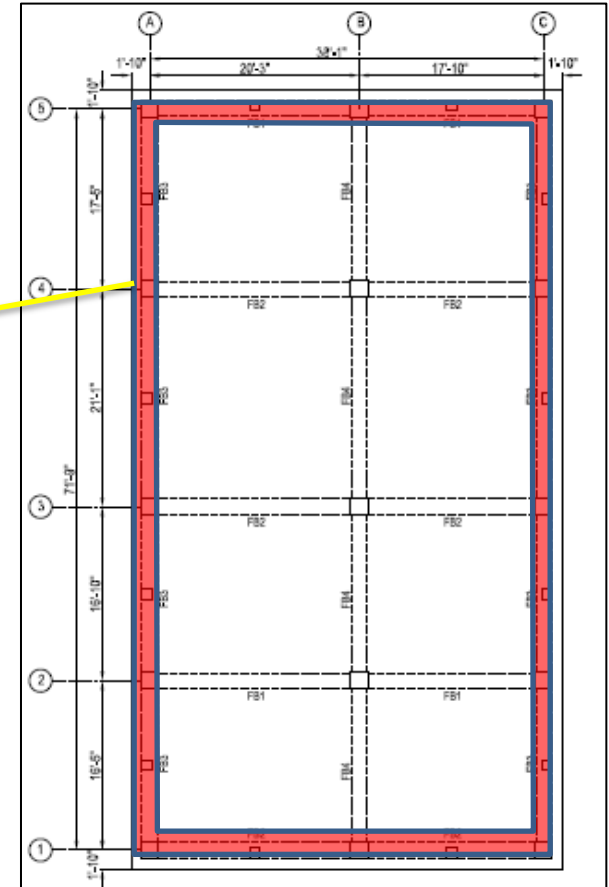
Beam layout plan

Observations: Building-3 (Boiler & Fire pump room)

Missing information in provided drawing



Tie-Beam connection system



Tie-Beam layout

No tie-beam details was found in provided drawing. But on-site 300mmX375mm tie-beam was found all over the periphery. Factory engineer is to survey the whole structure and update as-built drawings representing accurate site condition.

Observations: Building-4 (Substation & Generator)

Problems Observed

Building-1 (Main Production Building):

Item 01: Discrepancies in provided drawing.

Item 02: Design report needs to be prepared.

Building-3 (Boiler & Fire pump room):

Item 04: Design report needs to be prepared.

Item 05: Missing information in provided drawing.

Building-4 (Substation & Generator):

Item 03: Missing information in provided drawing.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Discrepancies in provided drawing (Building -1: Main Production Building)	Building Engineer to survey the structure and prepare accurate as-built (both architectural & structural) drawings in compliance with section 1.9.1.2 as per BNBC.	6-weeks
02	Design report needs to be prepared (Building -1 : Main Production Building)	Building engineer to prepare the design document including a design report, and a set of structural drawings in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC.	6-weeks
03	Design report needs to be prepared (Building -1 : Main Production Building)	Complete remedial works arising from design report after reviewing by RSC.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
04	Design report needs to be prepared (Building-3 : Boiler & Fire pump room)	Factory engineer is required to prepare the design documents including a design report and update the structural drawings in compliance with section 1.9.1.1 and section 1.9.1.2 as per BNBC part 6 and submit to RSC for review.	6-weeks
05	Design report needs to be prepared (Building-3 : Boiler & Fire pump room)	Produce and actively manage a loading plan for all floor plates within the factory, considering floor, column and foundation capacity.	6-weeks
06	Design report needs to be prepared (Building-3 : Boiler & Fire pump room)	Complete remedial works arising from design report after reviewing by RSC.	6-months
07	Design report needs to be prepared (Building-3 : Boiler & Fire pump room)	Implement floor loading plan.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
08	Missing information in as-built drawing (Building-3 : Boiler & Fire pump room)	Building Engineer to survey the structure and prepare accurate as-built (both architectural & structural) drawings in compliance with section 1.9.1.2 as per BNBC.	6-weeks
09	Missing information in as-built drawing (Building-4 : Substation & Generator)	Building Engineer to survey the structure and prepare accurate as-built (both architectural & structural) drawings in compliance with section 1.9.1.2 as per BNBC.	6-weeks