BIDI APPARELS LTD

Plot # 12-16, Sector # 6/A, Chattogram Export Processing Zone (CEPZ), South Halishar, Chattogram-4223, Bangladesh

(22.29366955329, 91.7805857576)

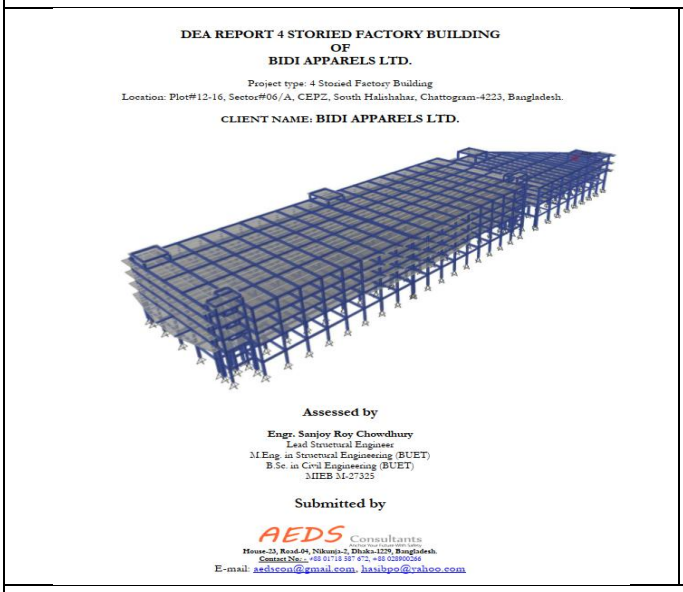
27 April 2025

1. Building Information

1. Main Building: The structure is a partially 4-storied (G+3) reinforced concrete (RC) building.
2. Boiler Room: This structure is a single-storied RC structure.
3. Doctor's & Child Care Shed: This structure is a single-storied steel structure.
4. Fire Pump Shed, Security Post: This structure is a single-storied (B+G) steel structure with a basement (water reservoir, fire pump room).
5. Security Post: This structure is a single-storied RC structure.
6. Utility Building: This structure is a single-storied RC structure with a small part of steel structure.
7. Watch Tower-01: This structure is a two-storied (G+1) RC structure.
8. Watch Tower-02: This structure is a two-storied (G+1) RC structure.

2. **Observations:**

Observation 1: Design report to be checked against lateral loading (Main Building).



DEA REPORT 4 STORIED FACTORY BUILDING
OF
BIDI APPARELS LTD.

Project type: 4 Storied Factory Building
Location: Plot#12-16, Sector#06/A, CEPZ, South Halishahar, Chattogram-4223, Bangladesh.

CLIENT NAME: BIDI APPARELS LTD.

Assessed by

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Submitted by

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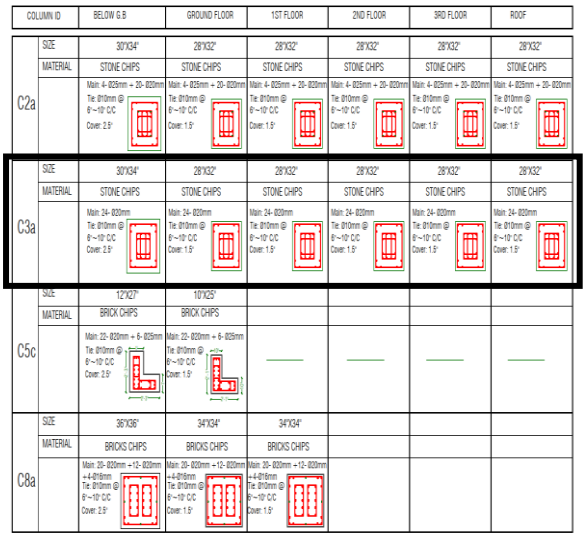
Description: A design report was available at the time of inspection. The building engineer is required to submit the prepared design report to RSC to check the structure against the lateral loading.

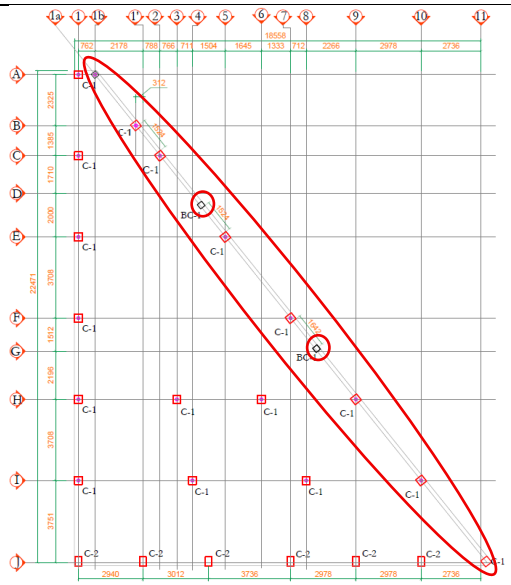
Observation 2: Discrepancy in retrofitting drawing and onsite condition (Main building).



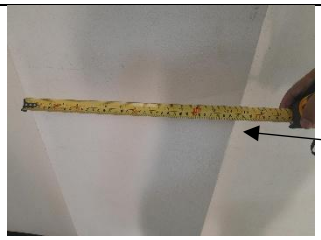
COLUMN ID		BELOW G.B	GROUND FLOOR	1ST FLOOR	2ND FLOOR	3RD FLOOR	ROOF
C2a	SIZE	30"X34"	28"X32"	28"X32"	28"X32"	28"X32"	28"X32"
	MATERIAL	STONE CHIPS	STONE CHIPS	STONE CHIPS	STONE CHIPS	STONE CHIPS	STONE CHIPS
		Main 4- Ø25mm + 20- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 2.5"	Main 4- Ø25mm + 20- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 4- Ø25mm + 20- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 4- Ø25mm + 20- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 4- Ø25mm + 20- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 4- Ø25mm + 20- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"
C3a	SIZE	30"X34"	28"X32"	28"X32"	28"X32"	28"X32"	28"X32"
	MATERIAL	STONE CHIPS	STONE CHIPS	STONE CHIPS	STONE CHIPS	STONE CHIPS	STONE CHIPS
		Main 24- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 2.5"	Main 24- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 24- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 24- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 24- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 24- Ø20mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"
C5c	SIZE	12"X27"	10"X25"				
	MATERIAL	BRICK CHIPS	BRICK CHIPS				
		Main 22- Ø20mm + 6- Ø25mm Tie: Ø10mm @ 6"~10" C/C Cover: 2.5"	Main 22- Ø20mm + 6- Ø25mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	——	——	——	——
C8a	SIZE	36"X36"	34"X34"	34"X34"			
	MATERIAL	BRICKS CHIPS	BRICKS CHIPS	BRICKS CHIPS			
		Main 20- Ø20mm + 12- Ø20mm + 4-Ø16mm Tie: Ø10mm @ 6"~10" C/C Cover: 2.5"	Main 20- Ø20mm + 12- Ø20mm + 4-Ø16mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"	Main 20- Ø20mm + 12- Ø20mm + 4-Ø16mm Tie: Ø10mm @ 6"~10" C/C Cover: 1.5"			

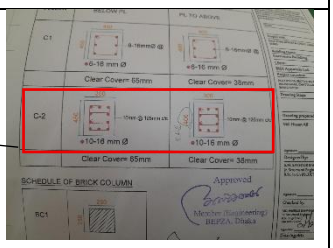
Description: Column C3a was shown for retrofitting up to the roof but was found retrofitted up to the ground and first floor. The building engineer is required to submit the retrofitting scheme to RSC along with the design report for further review. Implement any further retrofitting work if required.

Observation-3: Mismatch between drawing & onsite condition (Doctor's & Child Care Shed).



Column layout





C 2 column size was found 350x300 mm instead of 400x300 mm.

Description: During inspection, mismatch was found in column layout and column schedule in the structure.

- In grid 1a, marked in the column layout columns were not in as per grid dimension.
- Two extra columns (circle marked) were found which were not shown in column layout as a steel column.
- C 2 column size was found 350x300 mm instead of 400x300 mm.

The building engineer is required to update the drawing and design documents based on the as-constructed structure.

3. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	Design report to be checked against lateral loading (Main Building).	The building engineer is required to revise the design report as per the updated drawing and submit it to RSC for review against lateral forces.	within 6 weeks
2.	Discrepancy in retrofitting drawing and onsite condition (Main building).	The building engineer is required to submit the retrofitting scheme to RSC along with the design report for further review.	within 6 weeks
3.		Implement any further retrofitting work if required.	within 6 months
4.	Mismatch between drawing & onsite condition (Doctor's & Child Care Shed).	The building engineer is required to update the drawing and design documents based on the as-constructed structure.	within 6 weeks
5.		Implement any retrofitting work if required.	within 6 months