

Green Textile Limited (Unit-3)_Expansion

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(24.446123, 90.338425)

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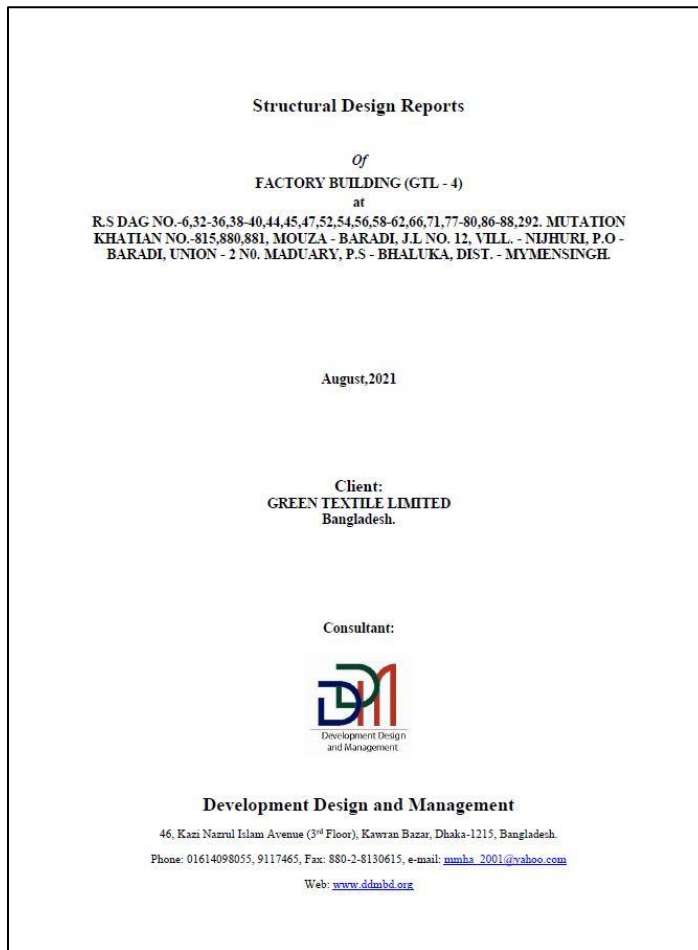



Building Information

1. **Main Production Shed:** The structure is a single storied steel shed.
2. **Canteen Building:** This structure is a partially four (G+3) storied structure. (ground to second floor is reinforced concrete RC structure and third floor is steel shed.
3. **Utility Building:** This structure is a single storied reinforced concrete (RC) building.
4. **Toilet Shed:** This structure is a single storied steel shed.
5. **Wastage Store:** This structure is a single storied steel shed.
6. **Car Parking:** This structure is a single storied steel shed.

Observations

Design report needs to be updated





DESIGN REPORT OF FACTORY BUILDING (GTL - 4)

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Connection adequacy check is not provided in Design Report

A design report was available on site which doesn't include any connection adequacy of steel members. Building engineer is required to update the design report by including the connection adequacy check and all requirements as per BNBC.

Observation: Main Production Shed

Crack on brick wall

Observation: Main Production Shed




Diagonal crack was found on brick wall of mezzanine floor

Building engineer is required to investigate the cause of wall cracks and prepare an investigation report with necessary remedial measure. Repair the cracked area as per the suggestion of investigation report.

Design report needs to be updated





THREE STOREY RCC INDUSTRIAL DINING BUILDING

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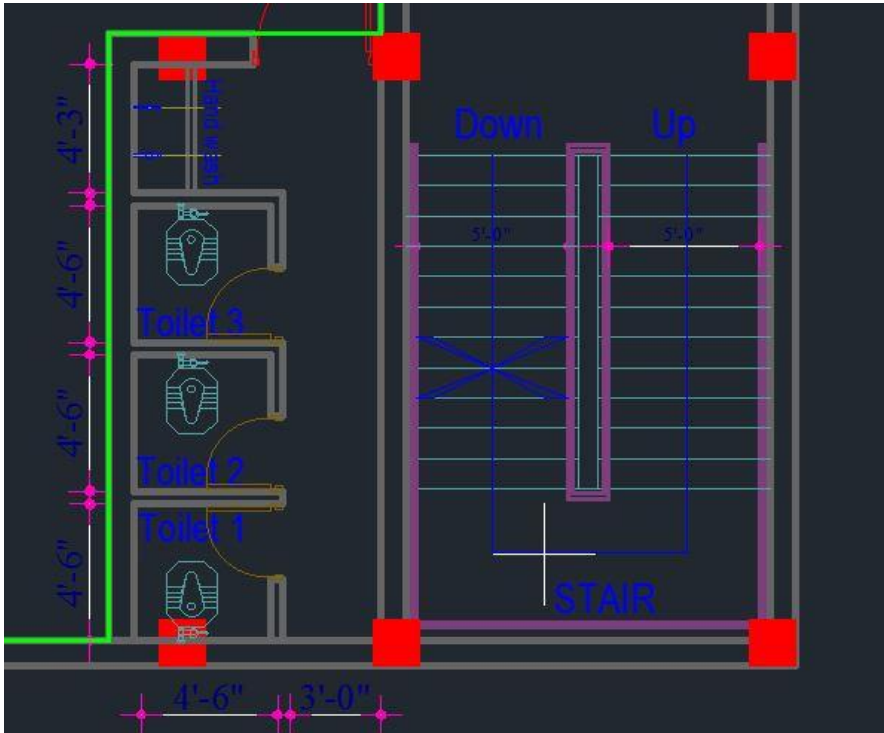
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Connection adequacy check is not provided in Design Report

A design report was available on site which doesn't include any connection adequacy of steel members. Building engineer is required to update the design report by including the connection adequacy check and all requirements as per BNBC.

Observation: Canteen Building

Discrepancy in as-built drawing



Floor build-up not shown in as-built drawing



200mm build up found at toilet area

200mm build up found at toilet area which was not shown in as-built drawing. Building engineer is required to survey the whole structure and update as-built drawing as per onsite condition.

Crack on floor beams



Hairline crack was found on beam at several locations

Building engineer is required to investigate the cause of cracks and repair the cracked area accordingly.

Non-structural elements not anchored properly



Slender lockers were found not anchored

Some steel lockers were not found anchored with the floor. Factory is required to anchor all non- structural elements within the factory.

Problems Observed

Main Production Shed:

Item 01: Design report needs to be updated.

Item 02: Crack on brick wall.

Canteen Building:

Item 03: Design report needs to be updated.

Item 04: Discrepancy in as-built drawing.

Item 05: Crack on floor beams.

Item 06: Non-structural elements not anchored properly.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Design report needs to be updated. (Main Production Shed)	Building engineer is required to update the design report for the connection adequacy check and include all requirements of BNBC.	6-weeks
02	Design report needs to be updated. (Main Production Shed)	Implement remediation work if required.	6-months
03	Crack on brick wall (Main Production Shed)	Building engineer is required to investigate the cause of cracks and prepare an investigation report with necessary remedial actions.	6-weeks
04	Crack on brick wall (Main Production Shed)	Repair the cracked area as per the suggestion of investigation report.	6-weeks
05	Design report needs to be updated. (Canteen Building)	Building engineer is required to update the design report for the connection adequacy check and include all requirements of BNBC.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
06	Design report needs to be updated. (Canteen Building)	Implement remediation work if required.	6-months
07	Discrepancy in as-built drawing. (Canteen Building)	Building engineer is required to survey the whole structure and prepare accurate as-built drawing.	6-weeks
08	Crack on floor beams. (Canteen Building)	Building engineer is required to investigate the cause of cracks and repair the cracked area accordingly.	6-weeks
09	Non-structural elements not anchored properly (Canteen Building)	Factory is required to anchor all non- structural elements within the factory premises.	6-weeks