

Four H Fashions Ltd.

2852/A Chandgaon I/A, Mohora, Kalurghat, Chandgaon
(22.396692, 91.864365)

16th February 2021



Buildings Information

1. Production Building (G+5)
2. Utility building (single storied)
3. Fire Pump Room (single storied)

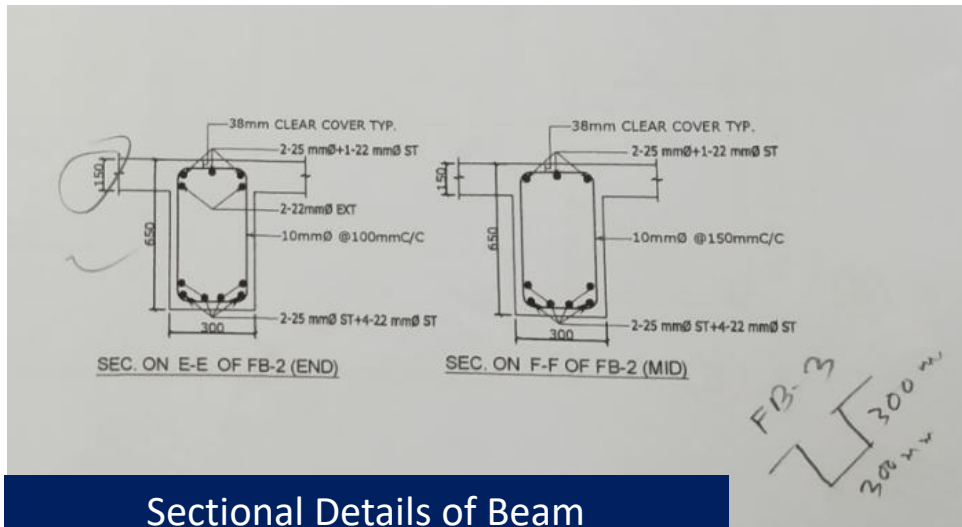
Observations

Lack of information and discrepancies in as-built drawings



Extended slab (marked as yellow)

The slab of Utility Building extended to the boundary wall at North-west corner. Which is not mentioned in the drawings. Also, the down stand of the beam were found 300 mm instead of 400 mm at security portion of the building.



Sectional Details of Beam



300 mm down stand

Absence of design documents

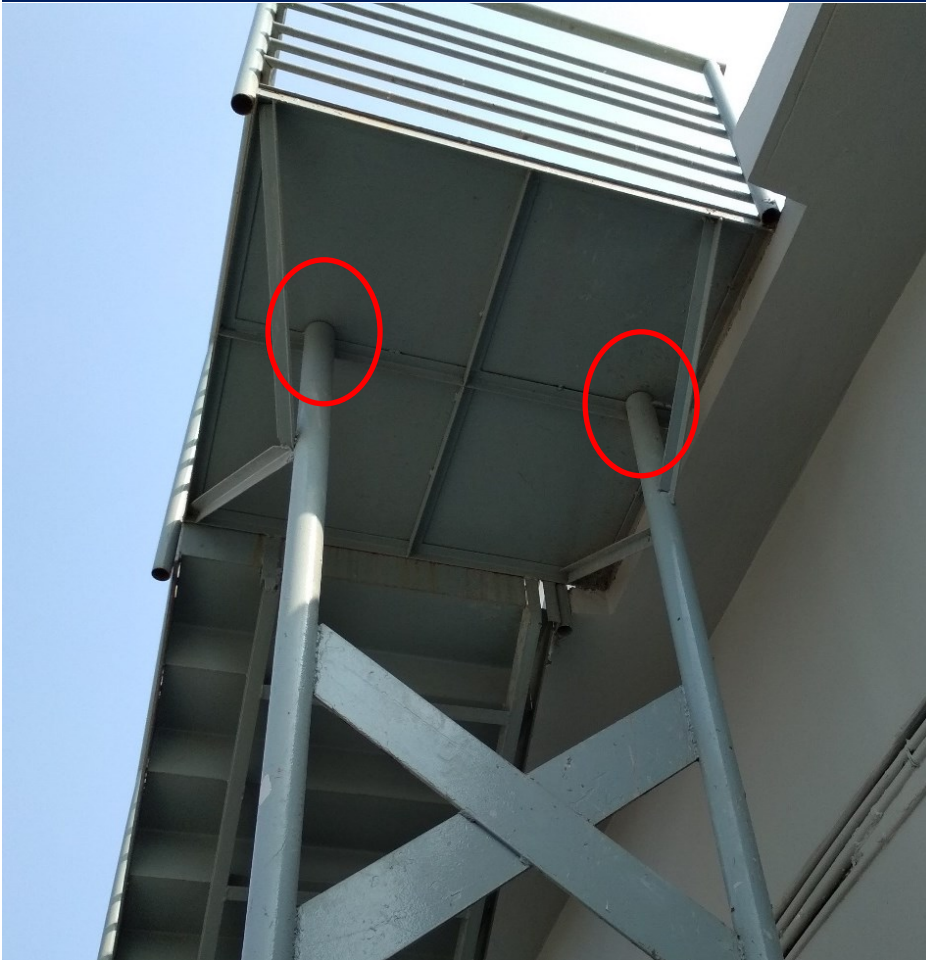
Observation: Utility Building

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



**Undocumented external steel stair,
apparently inadequate connection.**

Apparently inadequate member and poor connection was observed at external steel stair of Utility Building



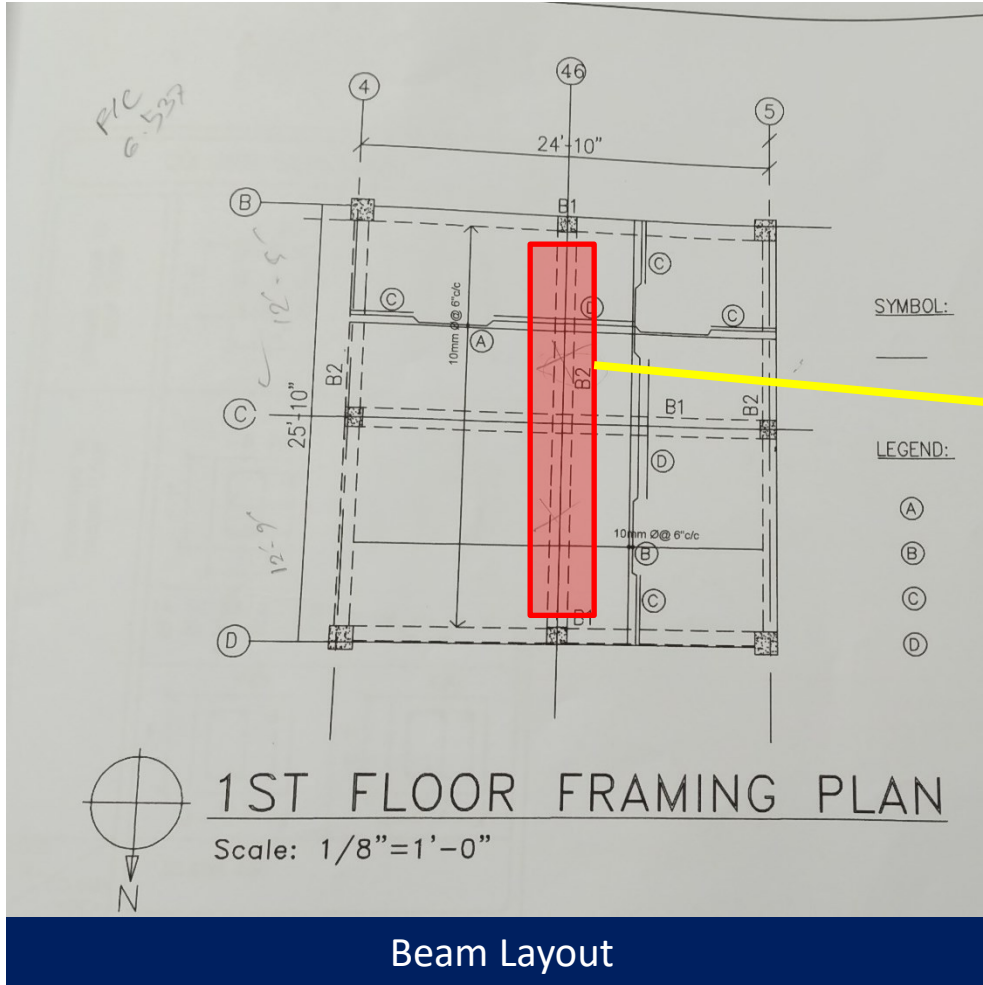
Poor Connection

Undocumented steel stair was found at North side of the building.



External Steel Stair

Discrepancies in as-built drawings



The first-floor beam layout did not match with on site condition. Floor beam along North-south (marked as red on drawing) at first floor level was found missing.



Problems Observed

Utility Building:

Item 1: Lack of information and discrepancies in as-built drawings.

Item 2: Absence of design documents.

Item 3: Undocumented external steel stair, apparently inadequate connection.

Fire Pump Room:

Item 4: Discrepancies in as-built drawings.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Lack of information and discrepancies in as-built drawings (Utility Building).	Building Engineer is to survey the whole structure and update as-built drawings representing accurate site condition.	6-weeks
02	Absence of design documents (Utility Building).	Factory engineer is required to prepare the design documents 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 part 6 and submit to RSC for review.	6-weeks
03	Absence of design documents (Utility Building).	Carry out remedial works (if any) after review by RSC.	6-months
04	Undocumented external steel stair, apparently inadequate connection.	The building engineer to check the structure, collect information and produce accurate as-built structural documentations.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
05	Undocumented external steel stair, apparently inadequate connection.	Factory engineer is required to carry out member adequacy, connection adequacy & lateral stability check of the steel stair.	6-weeks
06	Undocumented external steel stair, apparently inadequate connection.	Implement remediation work where necessary.	6-months
07	Discrepancies in as-built drawings (Fire Pump Room).	Building Engineer is to survey the whole structure and update as-built drawings representing accurate site condition.	6-weeks