

ILMEEYAT APPARELS LIMITED (New Building 3)

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(24.291176, 90.404548)

28 December 2023

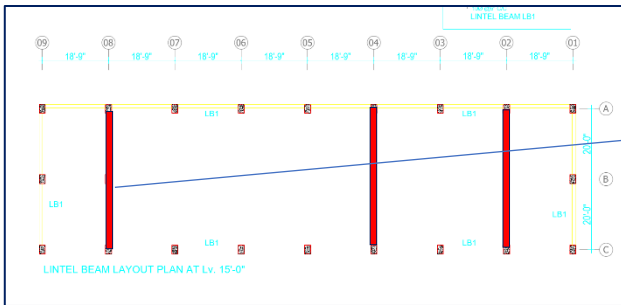


1. Building Information

- a.** Single Storied RCC Substation & Generator Building.
- b.** Single Storied RCC Boiler & Compressor Building.

2. Observations:

Observation-1: Mismatch in as-built drawing. (Substation & Generator Building)



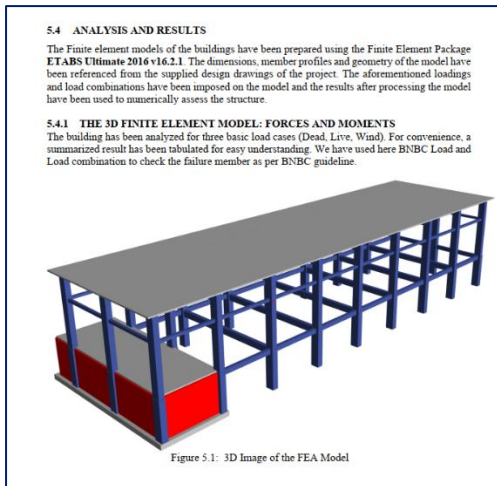
Lintel/tie beam layout plan



Tie beam on site

Description: Lintel/tie beam layout does not match with as-built condition. Mismatches are shown in red on the layout. The building engineer is required to update the as-built drawing correcting the tie-beam layout and submitting it to RSC.

Observation-2: Design report required to be reviewed by RSC for lateral loading. (Substation & Generator Building)



Design report



Substation & Generator Building

Description: A set of design report was available for the Substation & Generator Building. Design report need to be reviewed against lateral loading.

Observation-3: Apparently non-engineered & undocumented connection bridge and external steel stair. (Substation & Generator Building; Boiler & Compressor Building)



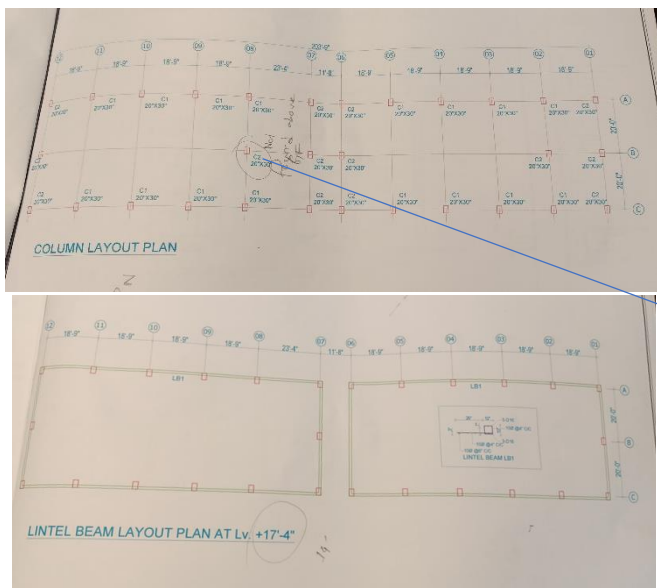
External Steel stair/ladder



Connection bridge

Description: Undocumented external steel stair and connection bridge were found in between of these building. The steel stair/ladder and connection bridge seem to be non-engineered. The building engineer is required replace the steel stair and connection bridge with an engineered one.

Observation-4: Discrepancies in as-built drawing. (Boiler & Compressor Building)



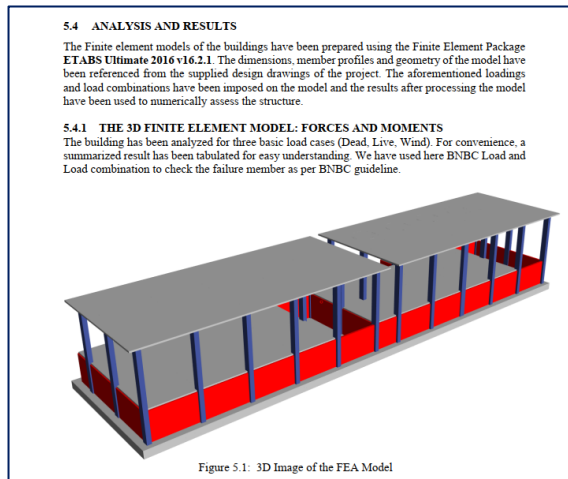
Column/Lintel layout plan



Tie beam on site

Description: C-2 type column on grid 08 does not found above the ground floor. Also, the lintel level was found at +4.3 m level from plinth instead of 5.2 m. The building engineer is required to update the as-built drawing correcting the tie-beam layout and submitting it to RSC.

Observation-5: Design report required to be reviewed by RSC for lateral loading. (Boiler & Compressor Building)



Design report



Boiler & Compressor Building

Description: A set of design report was available for the Substation & Generator Building. Design report need to be reviewed against lateral loading.

Observation-6: Lack of building approval from local authority. (Substation & Generator Building; Boiler & Compressor Building)



Substation & Generator Building



Boiler & Compressor Building

Description: At the time of inspection, no approval drawing from local authority was available for the above-mentioned structures. Building engineer is required to seek approval from the local authority.

3. Action Plan:

Observation	Action Plan	Timeline
Mismatch in as-built drawing. (Substation & Generator Building)	Building engineer is required to update as-built drawing incorporating all the mismatches.	within 6 weeks
Design report required to be reviewed by RSC for lateral loading. (Substation & Generator Building)	Prepared design report to be checked against lateral loads following BNBC by RSC.	within 6 weeks
Design report required to be reviewed by RSC for lateral loading. (Substation & Generator Building)	Implement remediation work if required.	within 6 months
Apparently non-engineered & undocumented connection bridge and external steel stair. (Substation & Generator Building; Boiler & Compressor Building)	The building engineer is required replace the steel stair and connection bridge with an engineered one.	within 6 months
Discrepancies in as-built drawing. (Boiler & Compressor Building)	Building engineer is required to update as-built drawing incorporating all the mismatches.	within 6 weeks
Design report required to be reviewed by RSC for lateral loading. (Boiler & Compressor Building)	Prepared design report to be checked against lateral loads following BNBC by RSC.	within 6 weeks
Design report required to be reviewed by RSC for lateral loading. (Boiler & Compressor Building)	Implement remediation work if required.	within 6 months
Lack of building approval from local authority. (Substation & Generator Building; Boiler & Compressor Building)	Building engineer is required to seek and collect approval from the local authority.	within 6 months