

Sakura Dyeing & Garments Ltd. (Extension)

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(23.644169, 90.497642)

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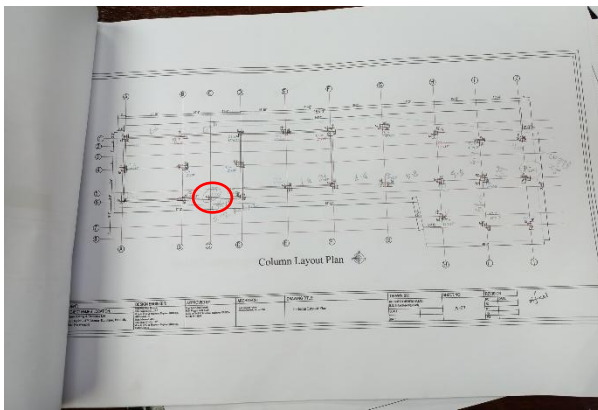
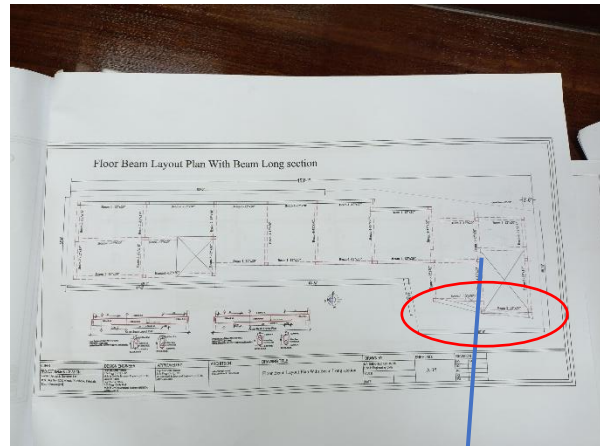
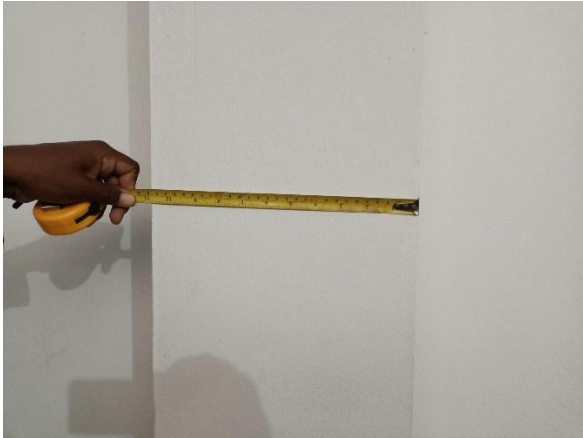


1. Building Information

- 1. New Warehouse Building

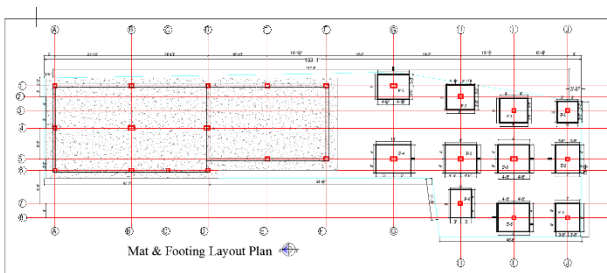
2. Observation

Observation-1: Mismatches in as-built drawings (New Warehouse Building).



Description: Size of C1 column on grid 6-C was found 250x250 mm instead of 300x300 mm and number of rebars were found less than the drawing. Also, the beam layout at South did not fully match onsite conditions. The building engineer is required to survey the whole structure and prepare accurate as-built drawings for the structure.

Observation 2: Footings found to be overstressed (New Warehouse Building).



Description: cursory calculation indicates the footings under water tank are stressed above the normal design limit. Footing capacities were checked considering 6 kPa live load for storage area and minimum concrete strength based on aggregate type. The building engineer is required to review the design load and foundation stresses.

Observation-3: Non-structural elements not anchored or braced (New Warehouse Building).



Description: Unbraced storage racks were found on different floors of the building. The factory is required to anchor and brace all types of non-structural elements to avoid falling hazards.

Observation-4: Absence of building approval from govt. authority (New Warehouse Building).



Description: During inspection, building approval drawing was not available. The building engineer is required to take necessary approval from the concern authority and assess the structure following referral BNBC code as per approval.

3. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	Mismatches in as-built drawings (New Warehouse Building).	The building engineer is required to survey the whole structure and prepare accurate as-built drawings for the structure.	within 6 weeks
2.	Footings found to be overstressed (New Warehouse Building).	Verify in-situ test from each class of concrete.	within 6 weeks
3.	Footings found to be overstressed (New Warehouse Building).	The building engineer is required to carry out Detail Engineering Assessment (DEA) to review the design load, column and foundation stresses.	within 6 weeks
4.	Footings found to be overstressed (New Warehouse Building).	Produce and actively manage floor load plan.	within 6 weeks
5.	Footings found to be overstressed (New Warehouse Building).	Implement remediation work if required.	within 6 months
6.	Footings found to be overstressed (New Warehouse Building).	Implement floor loading plan.	within 6 months
7.	Non-structural elements not anchored or braced. (New Warehouse Building)	The factory is required to anchor/brace all non-structural elements adequately to avoid falling hazard during earthquakes.	within 6 months
8.	Absence of building approval from govt. authority (New Warehouse Building).	The building engineer is required to take necessary approval from the concern authority and assess the structure following referral BNBC code as per approval.	within 6 months