

DYNAMIC SWEATER IND. LTD

10, Ganda, Savar, Dhaka
(23.827699N, 90.260594E)

1st November 2015



Observations

Poor construction quality of the RC elements observed



Uneven slab due to bad formwork



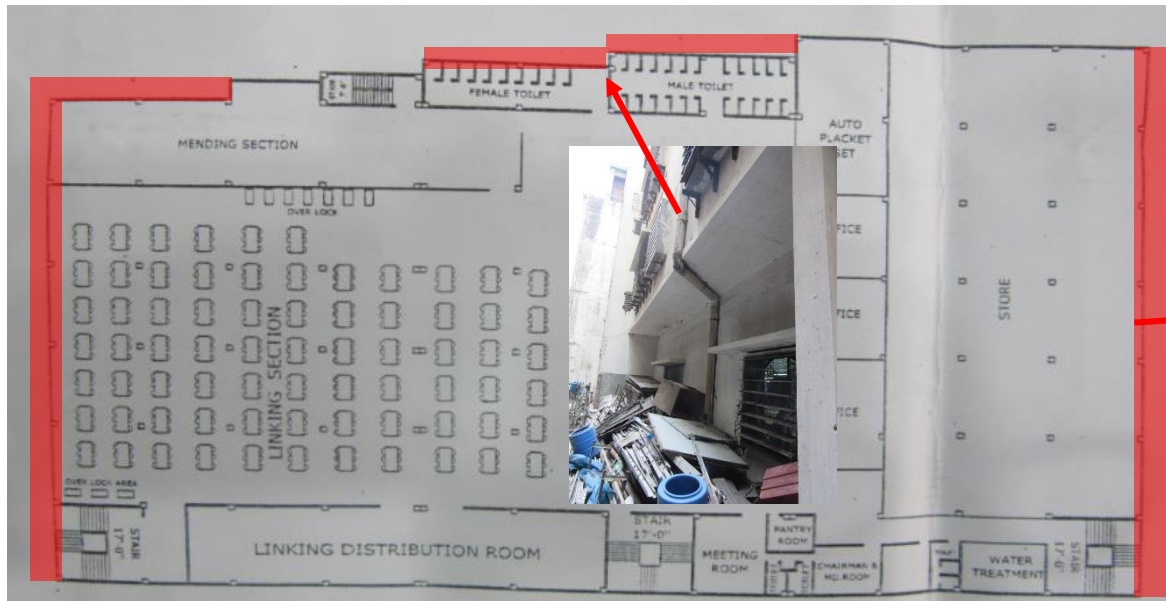
Insufficiently compacted concrete



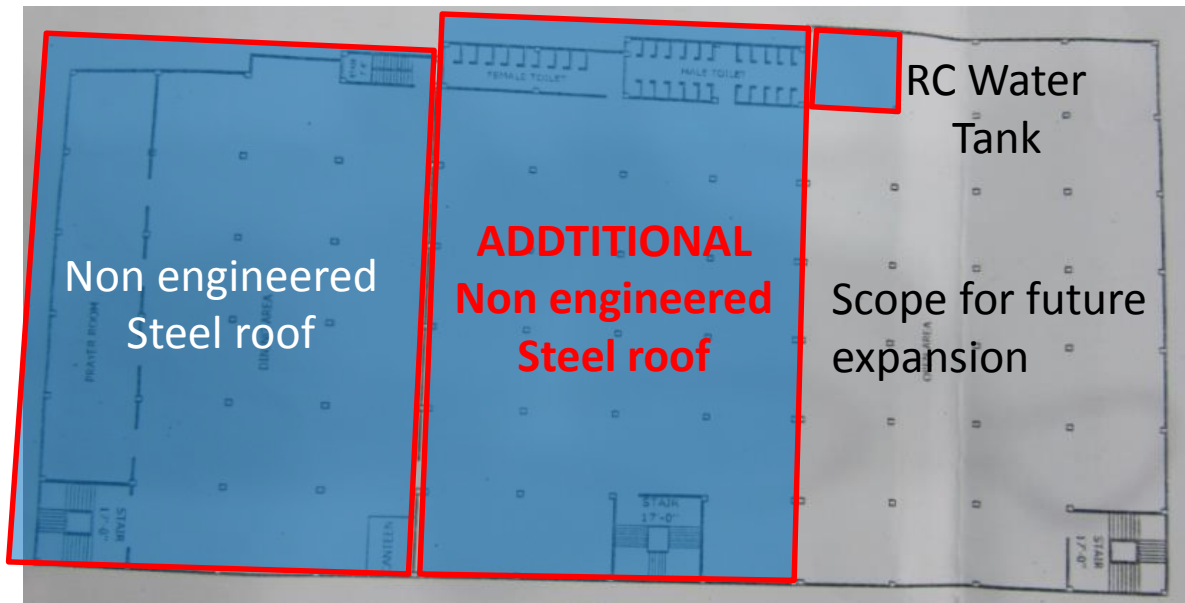
Uneven slab due to bad formwork

Discrepancy between Permit Drawings and Site observations

(additional cantilevers, additional level on
the roof, apparent scope for future
extension observed)



Additional cantilevers



Additional level

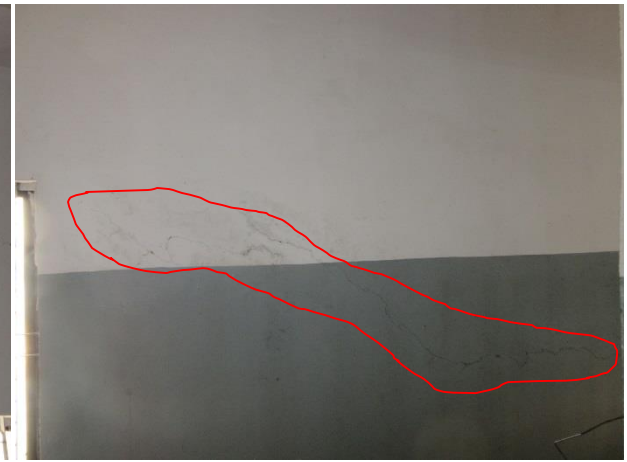
Cracks on the East façade wall



3rd Floor



2nd Floor



1st Floor



1st Floor



Ground Floor



East Facade - Ground Floor

**Wet surface, leakages on the walls below
water tanks**



Standing water on the roof

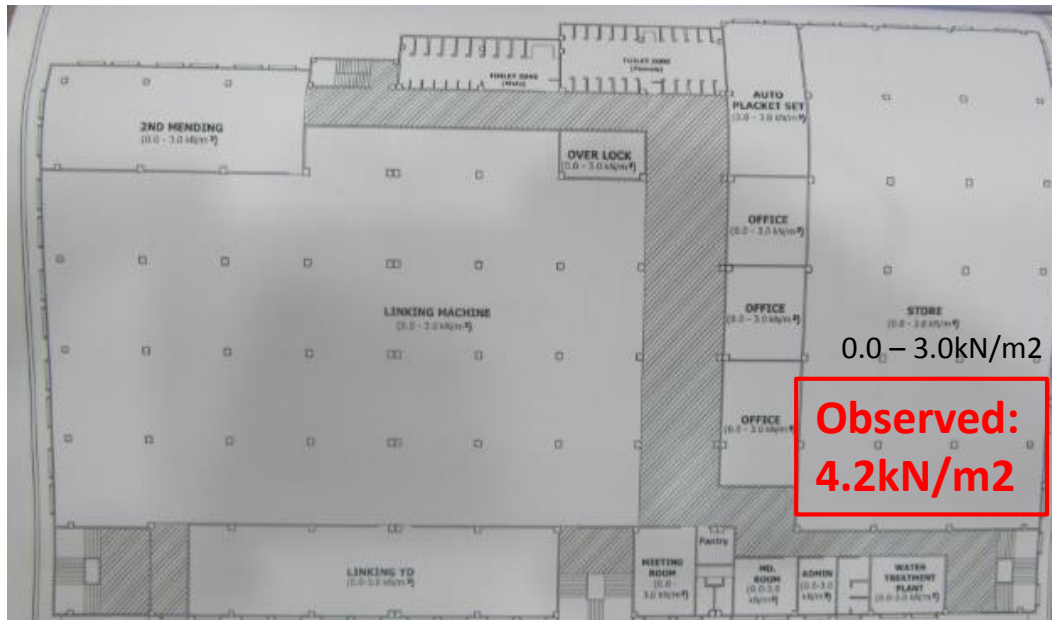


Wet surfaces underneath the water tanks



Observations – Main Building

Overloaded storage areas



1st Floor layout



Storage material on 1st floor



Observations – Main Building

Non-engineered roof structure

(Twisted purlins, lack of bracing, weak support details)



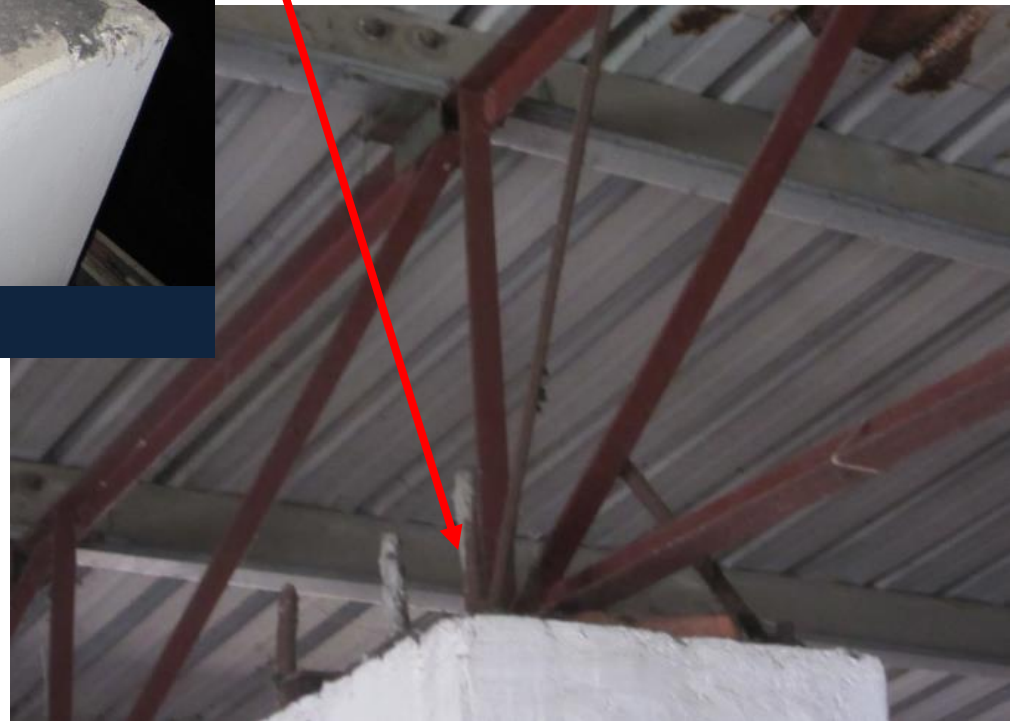


Lack of bracing in roof structure



Non-engineered connections

Lack of anchors



Priority Actions

Problems Observed

- ITEM 1: Poor construction quality of the RC elements observed**
- ITEM 2: Discrepancy between Permit Drawings and Site observations**
(additional cantilevers, additional level on the roof, apparent scope for future extension observed)
- ITEM 3: Cracks on the East facade wall**
- ITEM 4: Wet surface, leakage on the walls below water tanks**
- ITEM 5: Overloaded storage areas**
- ITEM 6: Non engineered steel roof (twisted purlins, lack of bracings, weak support details)**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Poor construction quality of the RC elements observed	Building Engineer to investigate the quality of concrete on site and design remedial actions	6-weeks
2	Poor construction quality of the RC elements observed	Carry out repairs to all voided concrete in accordance with the design engineers recommendations	6-months
3	Discrepancy between Permit Drawings and Site observations (additional cantilevers, additional level on the roof, apparent scope for future extension observed)	Building Engineer to prepare a set of as built drawings and static calculations	6-weeks
4	Discrepancy between Permit Drawings and Site observations (additional cantilevers, additional level on the roof, apparent scope for future extension observed)	Any future extension should be based on structural engineering design and should be approved by proper Authorities	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
5	Cracks on the façade walls	Repair cracks on the façade walls	6-months
6	Wet surface, leakage on the walls below water tanks	Building Engineer to check the cause of the water leak and it should be repaired	6-months
7	Overloaded Storage Areas	The quantity of the stored materials must be reduced to the level specified by the original designer	6-weeks
8	Overloaded Storage Areas	Reduce loading to the recommendations of the loading plans	6-months
9	Non engineered steel roof (twisted purlins, lack of bracings, weak support details)	Building Engineer to check the capacity of the lightweight roofs	6-weeks
10	Non engineered steel roof (twisted purlins, lack of bracings, weak support details)	Carry out any remedial works from the design Engineers study	6-months