

Fashion Asia Ltd. Tosrifa Industries Ltd.

135 Gopalpur, Munnu Nagar, Tongi, Gazipur, Bangladesh
(23.898563N,90.41089E)

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High loading from water tanks on overrun slabs



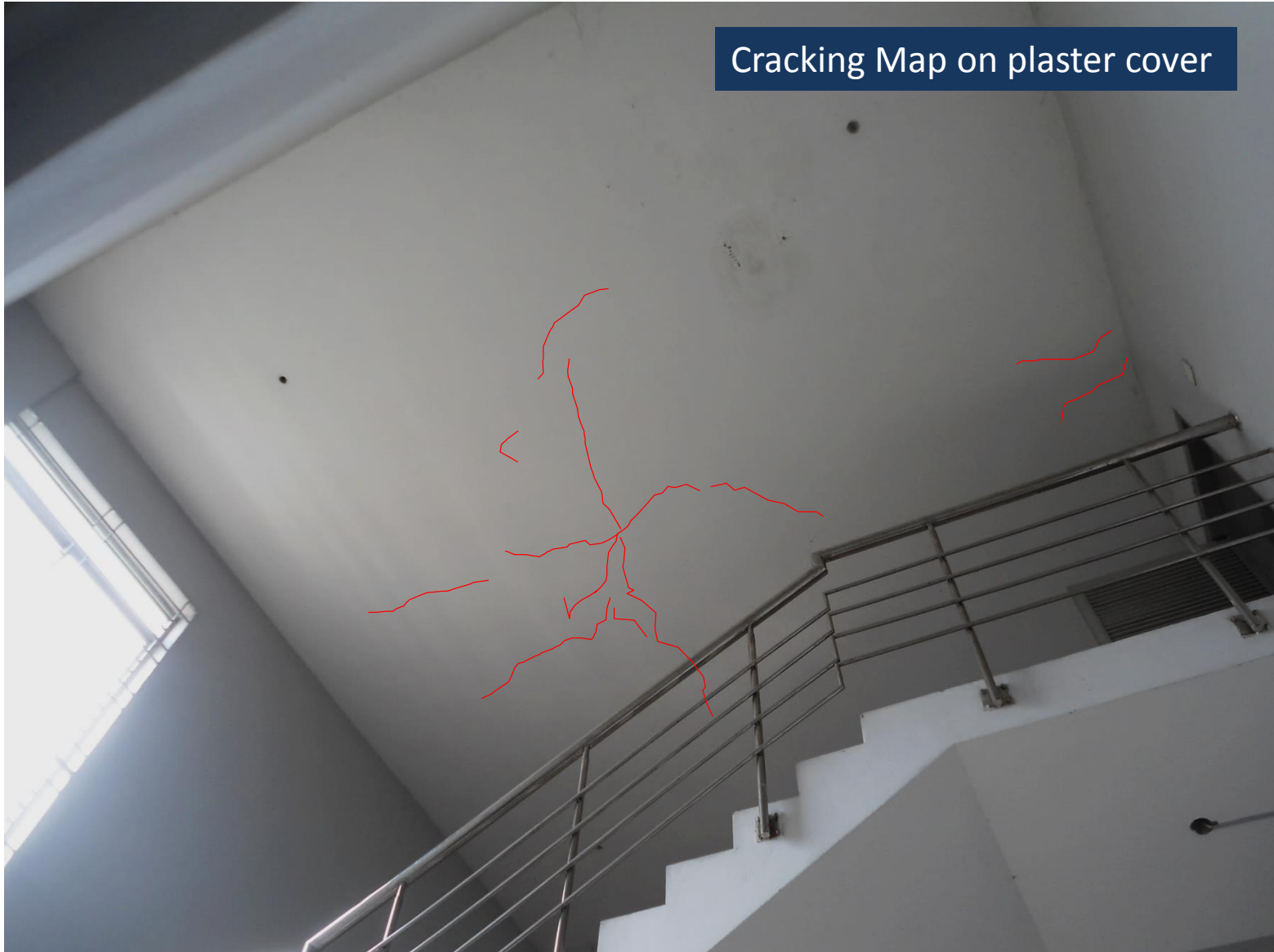
Fire water tanks on overrun slabs. Total water weight of 24.000 kg.

Evidence of cracking on slab plaster cover.

Action: Empty tanks immediately.

Building Engineer to check that slabs have been designed to accommodate loads. Investigate where cracks are coming from.

Cracking Map on plaster cover



Problems Observed

ITEM 1: High loading from water tanks on overrun slabs.
Evidence of cracking on bottom slab plaster.

ITEM 2: Permit drawings fit to actual arrangement of the roof
but there is no structural documentation available.

ITEM 3: Concrete strength in columns

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	High loading from water tanks on overrun slabs	Empty water tanks immediately	Immediate - Now
2	High loading from water tanks on overrun slabs	Verify that slab has sufficient capacity to support fully filled water tanks plus concrete plinth, if not relocate tanks to proper areas according building Engineer.	6-weeks
3	High loading from water tanks on overrun slabs	Analyze cracking on slab bottom side. If necessary proceed to repair	6-weeks
4	No structural documentation available for roof structure	Building Engineer to update structural drawing of roof level.	6-months
5	Verify concrete strengths in internal columns at ground floor level	Factory Engineer to review design, loads and columns stresses in area identified above.	6-weeks
6	Verify concrete strengths in internal columns at ground floor level	Verify in situ concrete stresses either by cores or existing cylinder strength data for the identified columns.	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
7	Verify concrete strengths in internal columns at ground floor level	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.	6-months