

Windy Apparels Ltd Hollywood Garments

140, Baron, Diakhali, DEPZ Road, Ashulia, Savar, Dhaka
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Building Observations

The clad steel framed structure supported on the concrete roof slab has no obvious horizontal bracing system in the plane of the steel roof to resist high wind loads. Localised extensions to this steel frame are currently being constructed.



Roof system has no obvious horizontal bracing to provide stability in high winds.

Steel Roof Stability System



Additions to roof steel frame – Building Engineer to confirm that these have been designed for code specified loads.

Check on roof additions required

Ensure drainage and waterproofing of recently exposed roof slab



Area at roof level where structure has been removed following instruction from Fire Brigade.

Roof Weathering



Ensure that the recently exposed concrete roof slab is provided with a drainage system and waterproofed, at locations where the slab has been damaged, to prevent ingress of water to the building structure.

Roof Weathering

Monitor floor slab cantilever loads



Approx 2.75m cantilever on building perimeter

Check on allowable cantilever loads and monitoring.



Cantilever loading to be assessed and monitored

Priority Actions

Problems Observed

1. The steel structure supported on the concrete roof slab has no obvious horizontal bracing system in the plane of the steel roof to resist high wind loads. In addition, localised extensions to this steel frame are currently being constructed.
2. Drainage and waterproofing of newly exposed roof slab to prevent corrosion of reinforcement.
3. Establish allowable load on cantilever floor slab and monitor floor loading.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	The steel structure supported on the concrete roof slab has no obvious horizontal bracing system in the plane of the steel roof to resist high wind loads. In addition, localised extensions to this steel frame are currently being constructed.	Steel frame stability system and localised extensions to be designed by the Building Engineer to support code vertical and wind loads.	6-months
2	Drainage and waterproofing of newly exposed roof slab to prevent corrosion of reinforcement.	Roof drainage system to be installed and concrete slab to be waterproofed at locations where the slab has been damaged.	6-months
3	Establish allowable load on cantilever floor slab and monitor floor loading.	Building Engineer to advise allowable loading for cantilever floor slab. Controlled loading plans to be prepared for cantilever slabs and floor loads to be monitored accordingly.	6-months