

Everbright sweaters ltd (New Building)

Kathgora,Ashulia,Savar,Dhaka, Bangladesh.

(23.9361N, 90.3777E)

14 February 2022

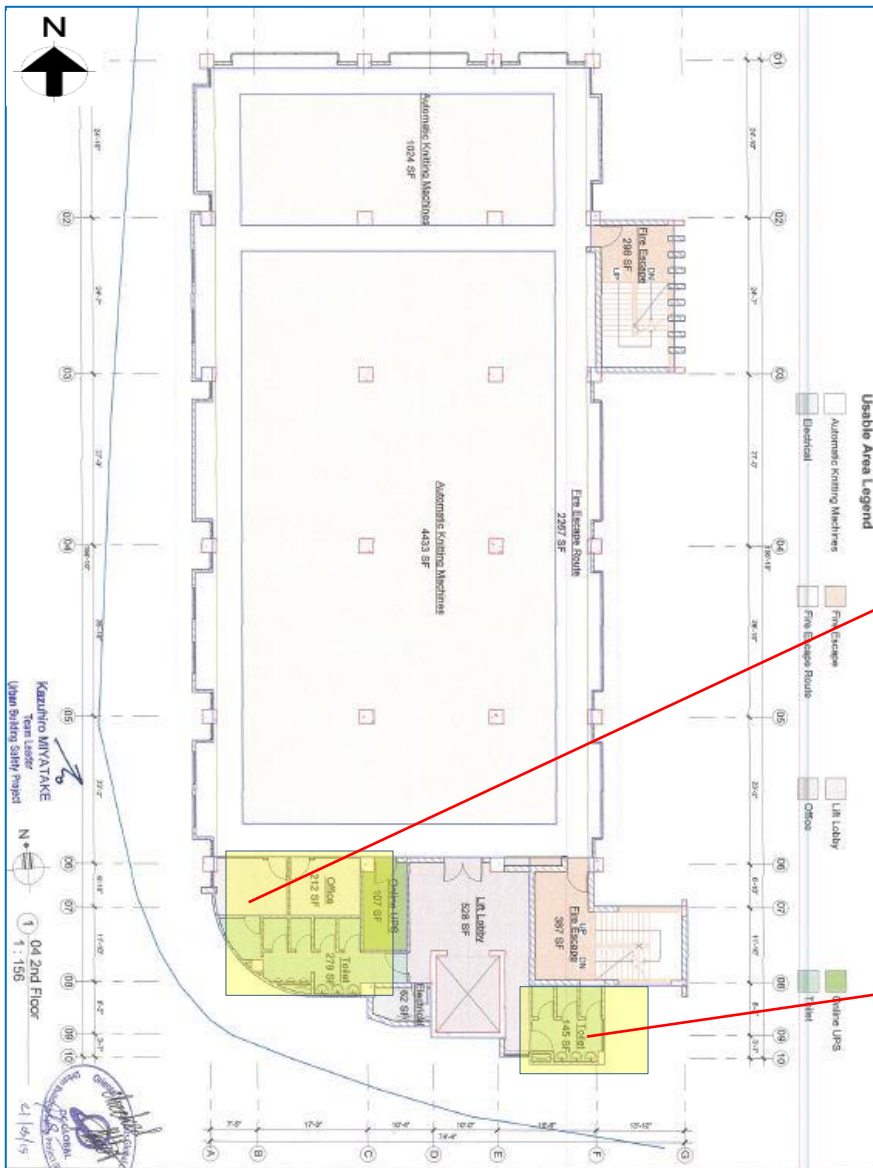


Buildings Information

1. Production Building 2 (G+M+5)

Observations

Architectural drawings not updated



Floor Layout Plan

Some mismatches were found in architectural drawings. Partition walls of toilet block at South corner does not match with layout plan at all floor level.



Toile partition wall



Toilet partition wall (near stair)

Absence of design documents



No design report was available for Production Building-2

As per BNBC, every building or structure designed shall have its design documents prepared in accordance with the provision of Section 1.9.1. The design document shall include a design report, and a set of structural drawings, which shall be prepared in compliance with section 1.9.1.1 and section 1.9.1.2, part-6 of BNBC. At the time of inspection, only as-built drawing and geotechnical report were available, but no design report & load plan were available which are required to be prepared in compliance with section 1.9.1.1 (part-6, BNBC).

Exposed re-bar found



Exposed rebar at column on roof

Exposed reinforcement was found extended from column on roof. All exposed reinforcement is to be protected from corrosion which may cause degradation of the concrete. Factory engineer is required to take necessary measures to prevent the corrosion in exposed rebar.

Lack of construction safety measures

Necessary safety measures were not observed on the roof. No barrier was provided at roof to mitigate the falling hazard. The factory engineer is required to take necessary measures to provide and install construction safety barrier.



Current roof

Stacking of construction material on roof



Stacking of construction materials and wastage found almost everywhere on the roof.

Large cantilever (Porch at loading/unloading area)

At first floor almost 4 m cantilever porch was observed. The building engineer is required to check adequacy & deflection of the cantilever slab.



Cantilever Porch

Problems Observed

Production Building-2:

Item 01: Architectural drawings not updated.

Item 02: Absence of design documents.

Item 03: Exposed re-bar found .

Item 04: Lack of construction safety measures.

Item 05: Stacking of construction material on roof.

Item 06: Large cantilever (Porch at loading/unloading area).

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Architectural drawings not updated.	Building Engineer is to survey the whole structure and update as-built drawings representing accurate site condition.	6-weeks
02	Absence of design documents.	Factory engineer is required to prepare the design documents including a design report, and a set of structural drawings in compliance with section 1.9.1.1 and section 1.9.1.2, part-6 of BNBC and submit it to RSC for review.	6-weeks
03	Absence of design documents.	Carry out remedial works (if any) after reviewed by the RSC.	6-months
04	Exposed re-bar found.	All exposed reinforcement is to be protected from corrosion which may cause degradation of the concrete.	6-weeks
05	Lack of construction safety measures.	The factory engineer is required to take necessary measures to provide and install construction safety barrier as per BNBC Part 7.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
06	Stacking of construction material on roof.	Remove construction materials and wastage from roof.	6-weeks
07	Large cantilever (Porch at loading/unloading area).	Building engineer is required to check the adequacy & deflection limit of the cantilever slab.	6-weeks
08	Large cantilever (Porch at loading/unloading area).	Implement any remediation work if required.	6-months