

INITIAL FIRE SAFETY INSPECTION REPORT

Everbright sweaters ltd (New Building)

RSC ID: 24294

Kathgora, Zirabo, Ashulia, Savar, Dhaka

Geographical Coordinates of factory building: 23.909947, 90.298755

Other Factories: Everbright sweaters ltd-9743 (In the premises)



Inspected By: Dilip Kumar Mondal

Date: 14 February-2022

Table-1: Finding & recommendation for Building-2

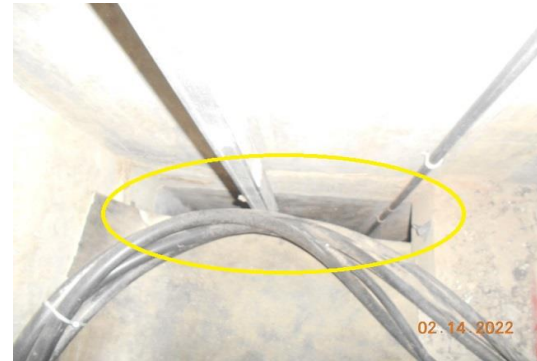
SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are separated from work areas & other spaces on each floor by fire rated construction and fire door except basement and 5th floor. Also magnetic door holders were missed installed door on 1st floor and 3rd floor at stair-1.	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 1.5 -hr. fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	Within 3 months



F-2	Fire Rated Construction	Elevator shafts are directly open into the inside of Stair-1.	For new construction, elevators shall not open into an exit enclosure as per ACCORD-6.14.3. So, separate the stair enclosure from elevator shaft throughout the building.	Within 3 month
				

F-3	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures and separation walls. Location: On ground floor at stair-1 from doctor room.	Seal all penetrations and openings in exit stair enclosure and separation walls to maintain the required fire separation.	Within 2 months
				
F-4	Fire Rated Construction	Room used for combustible storage are not separated by fire rated construction. Location: No door on 5th floor (Temporary Production Goods Storage)	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23 m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93 m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months



F-5	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: Electrical riser South side of the building.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
				

F-6	Mean of Egress	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in).	Within 3 months
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F-7	Means of Egress	Aisles are not provide with a minimum unobstructed clear with of 36 in. Location: 3rd floor.	Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	within 1 month
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F-8	Mean of Egress	Parapets or guards are not provided in occupied roof. OR Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.). Location: roof top	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
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F-9	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Not working exit sign at basement and mezzanine floor.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months
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F-10	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed. Location: On 1st floor.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month
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F-11	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3months
F-12	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Design & Installation of Fire Alarm & Detection system shall be in accordance with ACCORD standard and NFPA 72. Submit design, documents and calculations to RSC for review prior installation/modification. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3months

				
F-13	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 1 month after installation.
F-14	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 3 months



F-15	Fire Protection System(ITM of standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 14 and 25 or as per Accord standard	Inspect, test and maintain the Standpipe system, and keep written records on-site, in accordance with NFPA 14 and 25 or as per Accord standard.	Within 1 Month after installation.
F-16	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 1 month