

FIRE SAFETY INSPECTION REPORT

Factory Name: Emon Fashion Ltd. (new Unit)

ACCORD ID: 23653

ADDRESS: 42, Mariali, Joydebpur, Gazipur Sadar, Gazipur.

(GPS Cordinate: 24.010082, 90.401748)

Other Factories: None



Inspected By: Mahfuza Khanom & A.K.M Monoarul Huda

Date: 16th July, 2019

Fire Safety Inspection Report

Factory Name: Emon Fashion Ltd. (new Unit)

Summary

Emon Fashion Ltd. (new Unit) was surveyed for fire safety on 16/07/2019 by The Accord Inspection Team. The purpose of the survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.





Findings & Recommendations :

The following "Table" summarizes the major fire safety issues identified during the inspection.


Recommendations have been provided to address each issue. An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the Accord for approval.

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire rated construction.	<p>Complete the separation work of the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies.</p> <p>Exterior exit stairs shall be separated from the building with a rating requirement of 2 hr fire rating for 4 or more stories. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 months



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
2	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
3	Fire Rated Construction	<p>Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: 2nd Floor</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.</p>	Within 3 months




Sl No.	Category	Findings	Required Action	Remediation Time Frame
				






SI No.	Category	Findings	Required Action	Remediation Time Frame
4	Fire Rated Construction	The[boiler/generator/transformer/air compressor] room is not separated by fire rated construction (openings, non-rated doors, penetrations).	Separate the boiler room by a minimum 2-hr fire rated construction (for high rise building)/ 1-hr fire rated construction (for low rise building). Seal and/or protected all openings to maintain fire separations. -Separate the [generator/transformer/air compressor] room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations.	Within 3 months




SI No.	Category	Findings	Required Action	Remediation Time Frame
				
5	Egress	South side exit stair discharge path from building is found obstructed and unusable.	Provide unobstructed road / egress path for smooth discharge of occupants. Means of egress shall be maintained continuously free and clear of all obstructions.	Within 2 months




SI No.	Category	Findings	Required Action	Remediation Time Frame
		  		
6	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



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
7	Egress	Water pump is located in exit stair enclosure at Ground floor.	Remove or relocate the water pump from exit stair enclosure. Or, Separate the pump by 2-hr fire rated construction from exit stair enclosure.	Within 1 month



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
8	Egress	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month




SI No.	Category	Findings	Required Action	Remediation Time Frame
9	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month


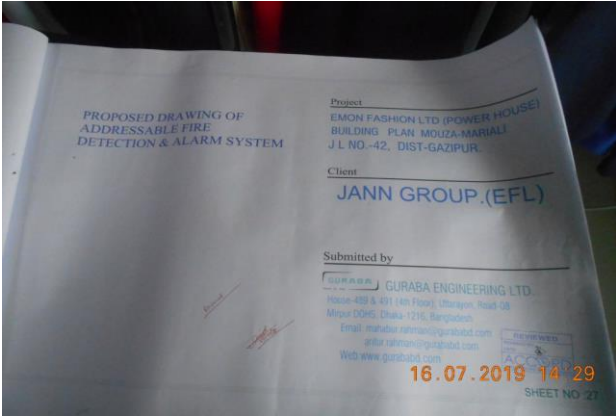


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10	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide 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
11	Egress Lighting	Exit sign not provided at exit.	Provide exit signs above all exits to the exterior and all doors to the exit stair.	Within 1 month



SI No.	Category	Findings	Required Action	Remediation Time Frame
				
12	Fire Detection & Alarm System	<p>The existing fire alarm system is not a listed system and does not provide automatic alarm and notification features consistent with acceptable standards.</p> <p>Factory has reviewed addressable fire alarm system drawing from Accord with old building.</p>	<p>Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.</p>	<p>Install within 6 months</p>



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13	Fire Detection & Alarm System (ITM)	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 3 months (After installation)



SI No.	Category	Findings	Required Action	Remediation Time Frame
14	Fire Protection	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 month

