

FIRE SAFETY INSPECTION REPORT

Factory Name: EMS Apparels Ltd.

ACCORD ID: 23715

ADDRESS: Barendra, Kashimpur, Gazipur

Other Factories: N/A



Inspected By: Md. Hasibur Rahman Abir

Date: July 24, 2019

Fire Safety Inspection Report

Factory Name: EMS Apparels Ltd.

Introduction:

EMS Apparels Ltd. was surveyed for fire safety on July 24, 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 :

Table 1 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.



Table-1:

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. Fire doors are not properly latched & unsealed penetrations and openings are located in exit stair enclosures.	Provide minimum 1.5-hr fire-rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing and positive & properly 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



2	Fire-Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: 1st floor.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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3	Fire-Rated Construction	Areas used for in-process storage of combustible materials are observed in an unplanned manner. Location: 4th floor	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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4	Fire-Rated Construction	Dining area is not separated from other occupancies with fire rated assemblies. Location: 4th floor	Re-locate the dining area or separate the dining area from other occupancies with 2-hr fire rated construction & Provide required exits that lead directly to the street or exit stairwell or leading to a separated corridor or open space.	Within 3 months
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5	Fire-Rated Construction	Penetrations through floor/ceiling assemblies are not properly sealed.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by third-party certified fire rated materials (installation shall be as per manufacturer & certification body guideline) to maintain the fire resistance rating.	Within 3 months
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6	Fire-Rated Construction	Diesel fuel storage was located inside the generator room.	Remove all diesel fuel storage from the generator room and relocate to the exterior such that the diesel fuel storage is at least 10 ft from required egress paths. If located along egress paths or in a utility building, separate the diesel fuel storage with 2-hr fire rated construction. There shall be no diesel fuel storage in a factory production building.	Within 1 month
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7	Egress	The day-care room is located at 1st floor and does not have direct access to an exit stair.	Day-care shall be located on the ground floor with a maximum travel distance of 9 m (30 ft) or located one story above level of exit discharge with direct access to an exit enclosure.	Within 3 months
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8	Egress	Sliding type doors have provided along means of egress.	Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors.	Immediately
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9	Egress	Doors along means of egress are provided with non compliant locking system. Location: 1st Floor	Remove non-complaint locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2.	Immediately
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10	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	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 2 months
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11	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
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12	Fire Detection and Alarm System	The active fire alarm system is antiquated, not a listed system , and does not provide alarm and notification with acceptable standards. (A new addressable system installation is ongoing)	Submit the Addressable Fire Detection and Alarm system design to ACCORD for review and remove the old non-listed system & modify the addressable system as per the recommendation. Upon approval & modification (if required) the owner shall verify the system by ACCORD for final acceptance. The equipment shall be listed and approved 3rd party certified. The installation shall be as per NFPA -72.	Design within 02 Month & Installation Within 04 Months
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13	Fire Protection	The highest occupied floor of existing building is more than 10 m (33 ft.) above grade where standpipe system is mandatory and factory has installed Class-III standpipe system which is required to be reviewed and verified.	Remove the old non-listed system and Submit the standpipe system design to ACCORD for review and modify the system as per recommendation. The equipment shall be listed and 3rd party certified. The installation shall be as per NFPA-14, 20, 22 and 24. & Upon approval & modification (if required) the owner shall verify the system by ACCORD for final acceptance.	Design within 02 Month & Installation Within 04 Months
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14	Fire Detection and Alarm System	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and ACCORD standards.	Within 3 months
15	Fire Protection	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and ACCORD standards.	Within 3 Months

