

FIRE SAFETY INSPECTION REPORT

MB Knit Fashion Ltd.

ACCORD ID: 12502

**B/164-166, B/185-187 BSCIC, Fatullah, Narayanganj
(23.626122N, 90.480806E)**

Other Factories: None



**Inspected By: Nusrat Hossain Trisha, Md. Sabbir Ahmed Shourav
Date: 06 September, 2016**

Fire Safety Inspection Report

Factory Name: MB Knit Fashion Ltd.

Introduction:

MB Knit Fashion Ltd. was surveyed for fire safety on 06 September, 2016 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.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.



General Factory Information

Factory Building name(s): 1. 8 storey RCC building (Main Production Building)
2. Single storey RCC Building (Utility Building)

Factory Address: B/164-166, B/185-187 BSCIC, Fatullah, Narayanganj

Points of contact:

Md. Mazahar-Un-Rahman Manager (Electrical) MB knit Fashion Ltd. Contact No: +8801711196595 Email: mazahar14983@gmail.com	Moinuddin Ahmed Excutive Director MB knit Fashion Ltd. Contact No: +8801711520844 Email: ed.mbknit@gmail.com
	

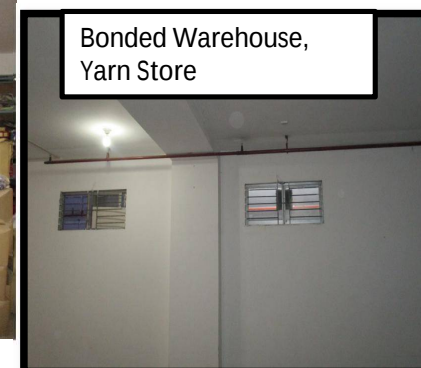


Findings & Recommendations :

The below 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.

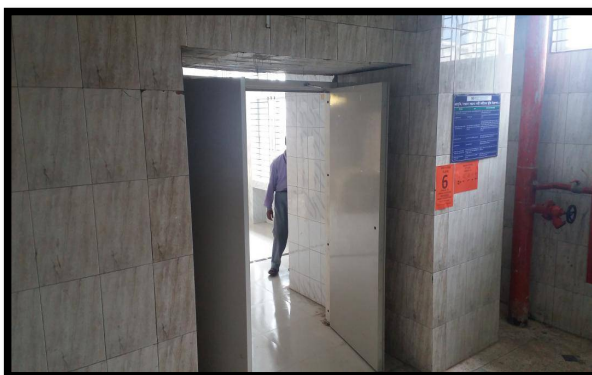
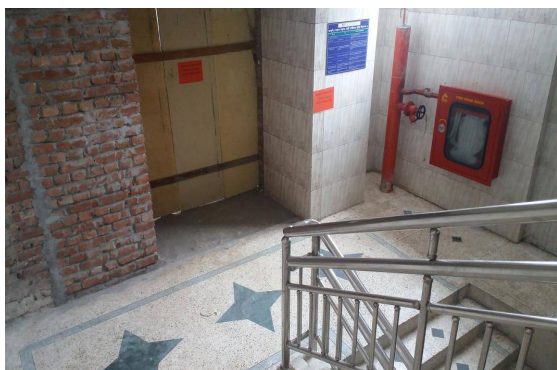
Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy (Location: Ground floor warehouse penetrations, 2nd floor accessories store, 6th floor finished goods store with dining).	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months



F-2	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy (Location: 1st floor with cutting; 4th floor with finishing & iron section)	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
4th floor  1st floor 				



F-3	Fire Rated Construction	The north & south exit stairs are not fully separated from [work areas, other spaces] on each floor by fire-rated construction in some floors. Fire door installation is in progress.	Stairs 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.	Within 3 months
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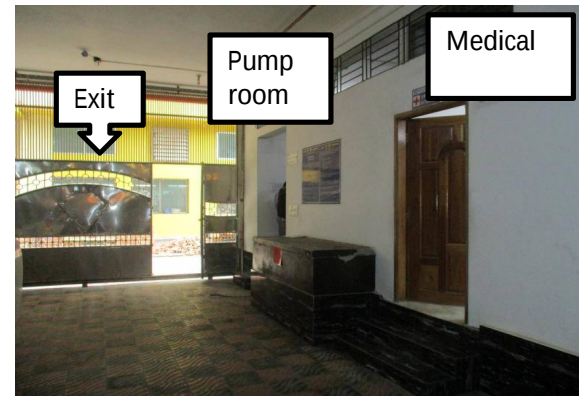


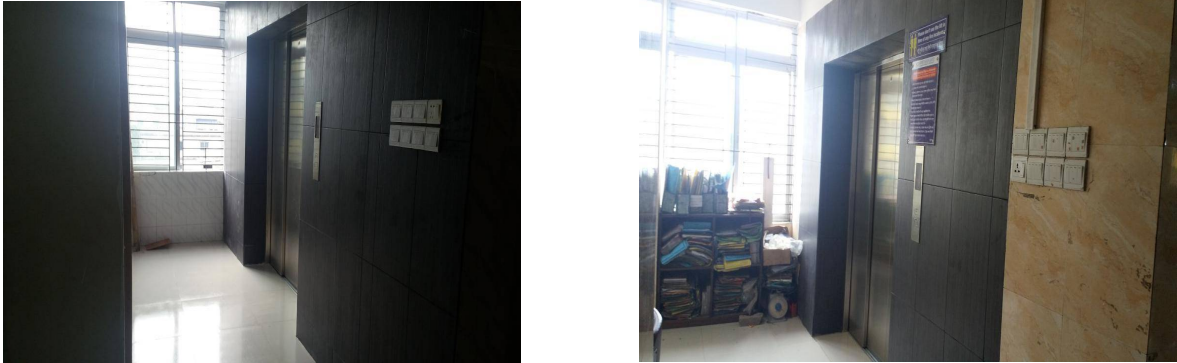
F-4	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. (Location: Electrical riser at north side of the building)	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor.	Within 3 months
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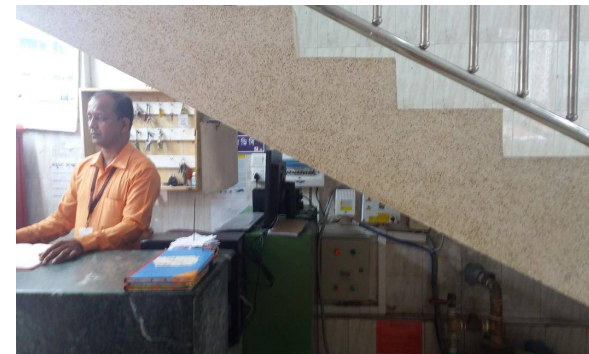
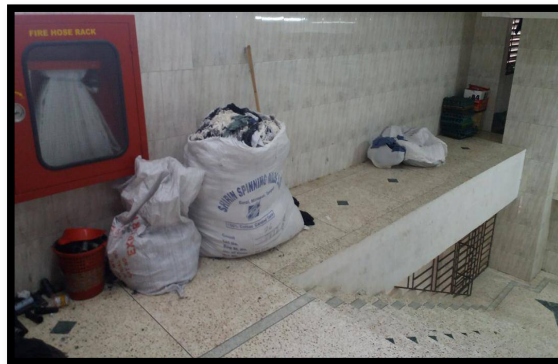
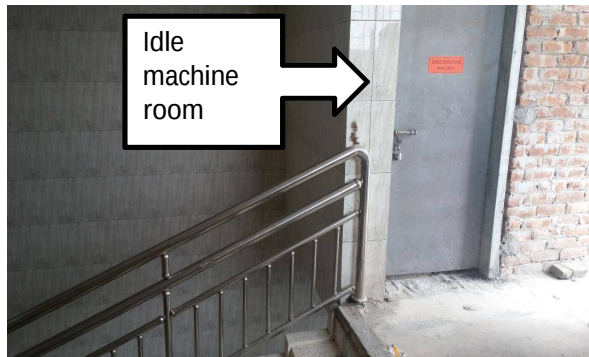


F-5	Fire Rated Construction	Pump room is not properly fire separated from the exit passageway by fire rated construction. (Location: Ground floor beside the medical centre)	Separate the pump room by a minimum 2-hr fire-rated construction to separate it from the exit passageway. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer.	Within 3 months
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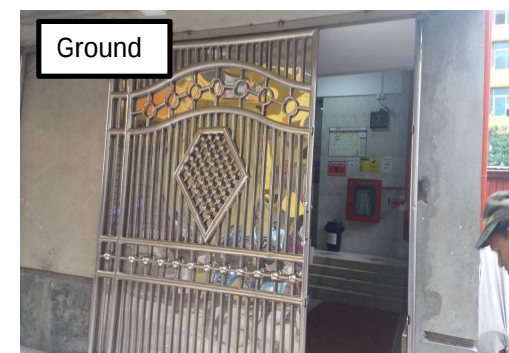
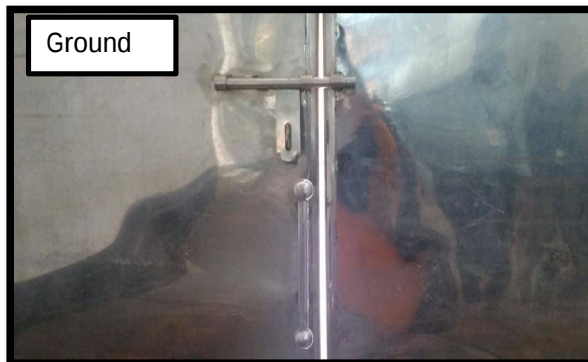


F-6	Fire Rated Construction	Elevator shaft is not separated from the production floor by proper fire rated construction (openings, non-rated doors)	Provide a minimum 2-hr fire rated elevator shaft to separate it from each floor. Seal and/or protect all openings to maintain fire separation.	Within 3 months
				
F-7	Egress	Storage was located in the exit stairwell. (Location: Wastage bag on stair landings of all floors, idle machine room discharges in the staircase at rooftop, reception point, pump panel board at ground under the staircase)	Remove all storage from exit stairs and egress paths.	Immediate

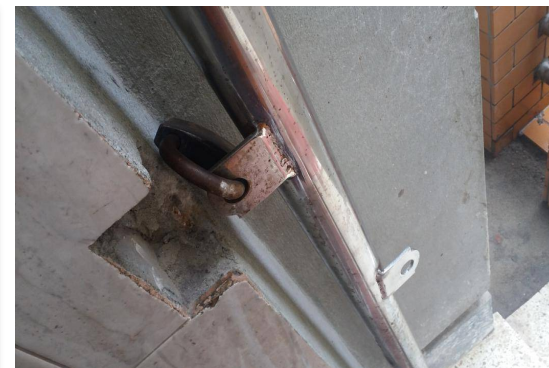




F-8	Egress	Non Compliant doors (sliding doors) are provided at ground floor & rooftop.	Replace all non-compliant doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize specialized door locking features complying with NFPA 101.	Within 1 month
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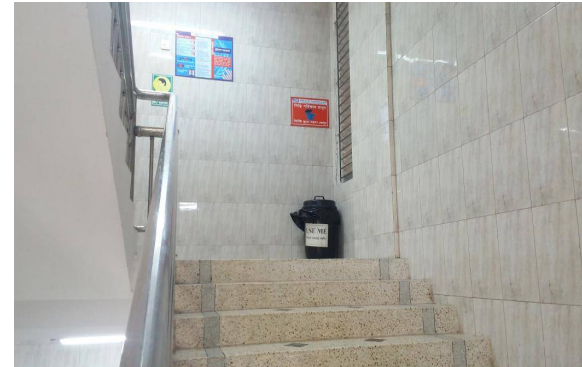


F-9	Egress	Egress doors/gates with locking features not complying with NFPA 101 are provided at rooftop & ground floor.	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA 101.	Immediate
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F-10	Egress	Exit capacity is not adequate for the occupant load at 6th floor (Dining, Canteen, Finished Goods Store; Available exit capacity: 342, Present occupant load including dining: 357)	1. Reduce occupant load to not more than available exit capacity. Or 2. Provide additional exits to increase exit capacity.	Immediate
F-11	Egress	Handrails are not provided in both side of the exit stairs.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865mm (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





F-12	Egress	Parapets or guards in the occupiable roof are less than 42 inches.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
F-13	Egress	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



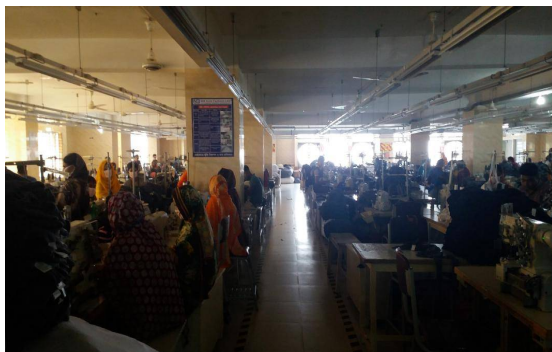
F-14	Fire Detection System	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards	Submit drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification shall have to done as per the reviewed design (if required)	Design within 2 month; Modification of the system (if required) within 6 months
				
F-15	Fire Detection System	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months



F-16	Fire Protection System	The existing high-rise building with an occupiable floor greater than 23 m (75 ft) above the finished grade is not protected with an approved automatic sprinkler system. The large occupant loads, anticipated extended egress times warrant sprinkler protection.	Provide an automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
				
F-17	Fire Protection System	Inspection, testing, and maintenance of the automatic sprinkler system, standpipe system are not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system, standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 3 months



F-18	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: All floors	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. 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 3 months
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F-19	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
F-20	Fire Extinguishers ITM	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 onsite, in accordance with NFPA 10 and ACCORD standards.	Within 3 months

