

FIRE SAFETY INSPECTION REPORT

Madinaple Fashions Craft Ltd.

ACCORD ID: 12496

ADDRESS: Holding #44/1, Ward #7, Chandra, Kaliakoir, Gazipur, Bangladesh

Other Factories: None



Inspected By: Raju Ahmed & Md. Atick Al Zaman

Date: June 5, 2016

Fire Safety Inspection Report

Madinaple Fashions Craft Ltd.

Summary:

Madinaple Fashions Craft Ltd. was surveyed for fire safety on 5th June 2016 by The Accord Inspection Team. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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. Table 1 summarizes the major fire safety issues identified during the inspection.

Recommendations have been provided to address each issue.



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.

Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	The exit stairs are not separated from factory floor on each floor by fire-rated construction.	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 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 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Store room on seventh floor.	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 23m ² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m ² . Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
3	Fire Rated Construction	Rooms used for combustible storage on the ground floor are not separated by fire-rated construction. Location: 1st and 4th floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 2 months	 
4	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	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 if required.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
5	Fire Rated Construction	Flammable gas storage area is not separated by fire-rated construction	Separate the flammable gas cylinder storage area by a minimum 2-hr fire-rated construction	Immediate	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	Lockage Egress Doors	Egress doors/gates with locking features not complying with NFPA101 are provided at [building exits, exit stairs, along egress routes, exit discharge]	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Immediate	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
7	Sliding Door & Gates	Collapsible gates/sliding doors/rolling shutter doors are provided at [building exits, exit stairs, along egress routes, exit discharge]	Replace all collapsible gates/sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging egress doors.	Immediate	
8	Aisle Width	Width of aisles is less than 0.9m (36-in.). Location: 5th & 6th floor.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
9	Fire Rated Construction	The[boiler, generator & air compressor] room is not separated by fire rated construction (openings, non-rated doors, penetrations) Specify location(s)	Specify appropriate upgrade based on conditions: -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/EMR/gas meter/air compressor] room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations.	Within 3 months	  



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
10	Fire Rated Construction	Transformer is not properly separated by fire rated construction with other Occupancies/Areas (southwest exit stair)	Separate the transformer room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations.	Within 3 months	
11	Fire Rated Construction	The fire pump room is not provided with adequate fire separation	Provide fire pump room with 2 hr rated fire separation when not sprinkler and 1 hr rated fire separation when provided with automatic sprinklers in accordance with NFPA 20 Or, Physically separate the pump room from the protected building by a minimum of 50 ft (15.3 m) in accordance with NFPA 20	Within 2 months	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
12	Fire Rated Construction	The exit discharge path southeast exit stair is less than 10 ft wide and is not separated from the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 4 months	
13	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Within 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
14	Egress	Exit doors at ground floor serving 50 or more occupants does not swing in the direction of egress travel.	Modify the egress door to swing in the direction of egress travel.	Immediate	
15	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. Or, Handrails are not provided at exit stairs.	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	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
16	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: each 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 2 months	
17	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 2 Months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
18	Fire Alarm System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 2 months	
19	Fire Alarm System	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 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
20	Fire Protection System	The high-rise building has an occupied floor greater than 23 meter (75 feet) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 2 months, Install within 6 months	
21	Fire Protection System	Fire Protection : Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14.	Within 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
22	Fire Protection System	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA25.	Inspect, test and maintain the automatic sprinkler system and keep written records on- site, in accordance with NFPA 25 and ACCORD standards.	Within 2 months	
23	Fire Protection System	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 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
24	Fire Protection System	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and ACCORD standards.	Within 2 months	

