

INITIAL FIRE SAFETY INSPECTION REPORT

A M Fashion

RSC ID: 24040

Mazu Khan Bazar, Harbaid, Gazipur-1710

Other Factories: None



Inspected By: Mohammad Anayet Hossain & Md. Anisuzzaman

Date: 01-Feb-2021

Fire Safety Inspection Report

A M Fashion

Introduction:

A M Fashion, complex was surveyed for fire safety on 01/02/2021 by The RSC 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 RSC. 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. 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 RSC for approval.

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 RSC for approval.

Table-1: Main production building-1

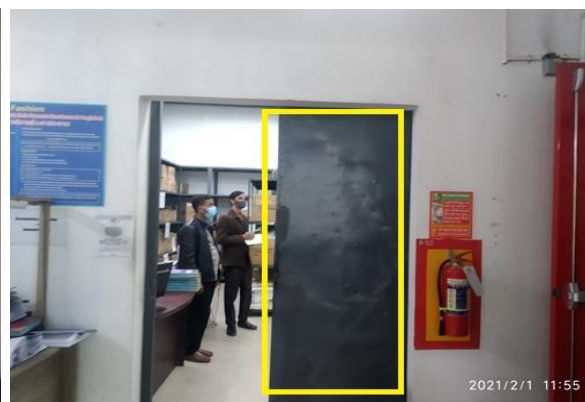
SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit Enclosures are not properly fire separated due to some unprotected penetration and openings. Location : Main production building	Provide minimum 1-hr fire rated separation exit enclosure. Provide minimum 1-hr fire rated doors and seal all unprotected openings and penetration 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 3 months



F-2	Fire Rated Construction	Boiler is not properly separated by fire rated construction with other Occupancies/Areas. Location: S-E corner first floor of production building.	Boilers shall be separated from other occupancies by a minimum 1-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
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F-3	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: Ground floor of Production building-1	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour fire rated construction.	Within 3 months
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F-4	Fire Rated Construction	Generator was not properly separated by fire rated construction from the middle of the Substation/Transformer (Non rated doors, unsealed penetrations and openings, etc.). Location: S-E corner of ground floor production building	Generator room shall be separated from the transformer by a minimum 2-hr fire-rated construction (wall, floor, slab, etc.). Seal all penetrations and openings (door, window, etc.) shall be protected by 1.5-hr fire-rated materials to maintain the fire separation is required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or, Relocate the Transformer to the exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
				

F-5	Fire Rated Construction	Compressor is not properly separated by fire rated construction with other Occupancies/Areas. Location: S-E corner first floor of production building.	Compressor shall be separated from other occupancies by a minimum 1-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
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F-6	Fire Rated Construction	The exit discharge path is less than 10 ft wide and is not separated from the building interior. Location: W-N side of production building-1	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.	Within 3 months
				

F-7	Fire Rated Construction	The fire pump room is not properly separated by fire rated construction with other occupancies. Location : near to Dinning shed.	Provide fire pump room with 2 hr. rated fire separation with 1.5 -hr. fire rated door when not sprinkler building 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 3 months
				
F-8	Fire Rated Construction	Childcare & dinning are not properly fire separated due to some unprotected penetration and openings.	Seal all penetrations and openings assemblies by fire-rated materials to maintain the fire-resistance rating.	Within 3 month



F-9	Fire Rated Construction	The main structural element of the building is constructed by steel which is non-rated and were found in exposed condition without any fire protection.	Construction of new non-high-rise factories containing G and/or H2occupancies (factories) shall be Type 1or Type 2 construction as required in NBC Part 3 Table 3.2.4.Provide/ensure required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC. Consult a qualified fire protection engineer to design the rated construction barriers in-between two floors and in structural members.	Within 6 months
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F-10	Means of Egress	Headroom for the exit door (pocket gate) were not found as per standard. Location: West side exit stair of production building.	The minimum headroom shall be 2.03m (6 ft 8inch)	Within 1 month
				
F-11	Means of Egress	Egress gates with locking features are provided at ground floor discharge position all exit. Location: Production building-1	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately



F-12	Means of Egress	Electrical panel boards located on the south side exit stair of ground floor production building.	Remove and relocate electrical panel boards from exit stairs.	Within 1 months
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F-13	Means of Egress	The egress path along the means of egress has been interrupted by obstruction/storage. Location: East side of ground floor production building.	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	Immediately
				
F-14	Means of Egress	Obstructions (Generator) were located on the exit pass way of the dinning area .	Keep egress paths way clear of obstructions/storage.	Within 1 months



F-15	Means of Egress	Storage were observed underneath the cutting tables.	Storage underneath the cutting tables shall be kept clear of combustibles at all time, except as provided for miscellaneous storage in accordance with Accord building standard section 3.4.2.1.6 or where automatic sprinkler protection is installed. Where an automatic sprinkler system is installed sprinklers are required to be installed beneath cutting tables greater than 4 ft in width that are used for storage of combustibles.	Within 1 months
				
F-16	Means of Egress	Storage located in the dining area.	Remove storage from the dining area.	Immediate



F-17	Means of Egress	Egress gates with locking features are provided at ground floor discharge position all exit. Location: Dinning shed	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately
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F-18	Means of Egress	Sliding gates are provided of Dining shed & store room (Main building-Ground Floor)	Replace all gates along the means of egress with side hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-19	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 3 months
F-20	Fire Alarm & Detection System	The Required Fire Alarm system is not installed in accordance with the ACCORD standard and NFPA-72.	Submit design to RSC for review and modify installation if required. Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design within 2 months, Install within 4 months (If modification required
				
F-21	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 3months

F-22	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 3months
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