

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Fashion Asia Ltd. (New Unit)

Factory ID: 24021

ADDRESS: Tepirbari, Sreepur, Gazipur

Other Factories: Printers & Printers Ltd



Inspected By: Ahammad Kabir, Safawan Abyaz

Date: 03 December 2020

Findings & Recommendations :

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.	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. Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5-hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months

				
2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Seal all penetrations to maintain required fire separation. 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 23m²- 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.	Within 3 months



3	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 sprinklered 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 3 months
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4	Parapets	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.).	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
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5	Fire Rated Construction	Unprotected diesel fuel storage was located adjacent to the fire alarm control panel room.	Relocate the diesel storage to the exterior such that it is at least 10 ft. away from the egress paths or any delicate occupancy. Or, Separate the diesel fuel storage by 2-hr. fire rated construction. There shall be no diesel fuel storage in a factory production building.	Within 1 month
				
6	Egress lighting	Exit sign not provided at all required exits.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious.	Within 1 month

				
7	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes specially at warehouse building.	The means of egress paths shall be illuminated at all times the building is occupied. Illumination shall be a minimum of 10 lux for all corridors, exit doors, and stairways. Aisles shall be provided with a minimum 2.5 lux. Means of egress illumination shall be provided with emergency power or supplemented with battery powered lights that provide minimum 10 lux for no less than 30 min in event of failure of normal lighting.	Within 2 months

8	Egress lighting	Manual on-off switch is provided for emergency lighting and exit signage units.	Remove manual on/off switches from emergency lighting and exit signage units to prevent them from being switched off.	Within 1 month
 				
9	Egress	Storage was located in the exit stair enclosure.	Factory shall Keep exit stair, exit stair enclosure and all egress paths clear of storage	Immediate

				
10	Egress	Penetrations through fire rated floor/ceiling assemblies are not properly sealed. Location: BBT Risers (South-West Electric DB Room)	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling or thickness required to maintain desired rating) assemblies by listed fire stop materials to maintain the required fire resistance rating of 2-hr. or, Enclose the riser room by minimum 2-hour fire rated construction.	Within 1 month

 				
11	Fire Detection & Protection	The installed fire detection and alarm system has not been reviewed from the RSC.	Submit the as-built drawing to the RSC for review. Once reviewed install or modify automatic smoke detection system throughout the building, tied into the fire alarm system, in accordance with NFPA 72 and the Accord standard.	Design within 3 months, Install within 9 months
 				

12	Fire Detection & Protection	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 and the Accord standard.	Within 3 months after installation
13	Fire Detection & Protection	The factory production and storage building height has highest occupied floor at more than 10m (33 ft.) and it requires a Class-III standpipe system. The installed fire protection system has not been reviewed from RSC.	Submit the fire protection drawing to RSC for review. Once reviewed install or modify the standpipe system throughout the building in accordance with Accord standard and NFPA 14, 25.	Design within 3 months. Install within 6 months
14	Fire Detection & Protection	Fire pump & water supply system installation requires detailed review to confirm compliance with NFPA 20, 22, 25 and ACCORD standards.	Submit as built drawings, testing records, listing information and other relevant documentation to the RSC for review and approval, modification shall have to done as per the reviewed design (if required). Upon approval & installation/modification the owner shall contact the RSC prior to conducting the final acceptance testing of the standpipe system installation. Also inspect, test & maintain fire pumps & water supply system and keep written records on-site, in accordance with NFPA 20, 22, 25 and ACCORD standards.	Design within 3 months. Install within 6 months



15	Fire Detection & 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 and the Accord standards.	Within 3 months after installation
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