

INITIAL FIRE SAFETY INSPECTION REPORT

Colotex Apparels Ltd.

RSC ID: 24419

Plot: 10/01, South Salna, Joydebpur, Gazipur, Bangladesh

Geographical Coordinates of factory building: 24.01895; 90.38340

Other Factories: None



Inspected By: Dilip Kumar Mondal and Md. Sadid Rahman

Date: 07 June-2022

Table-1: Finding & recommendation for the factory Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Fire doors have been installed in the openings of required fire-rated assemblies (Exit stairs, Storage rooms, and other occupancy separations) except chemical rooms. However, fire doors were found to have the following issues- 1. Exit stairs-1 and 2 along with corridor connected with chemical room, which door is non-rated on ground floor. 2. Fire doors have damaged smoke seals that could impact fire protection. 3. Store rooms on 7th and ground floors in the exit stairs without properly vestibules.	Install the fire door as per NFPA 80. 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. Any modification of fire doors beyond the job site preparation shall be approved by the door manufacturer. Openings from exit enclosures to storage areas, basements, transformer rooms, generator rooms, boiler rooms, and similar normally unoccupied spaces shall be provided with vestibules.	Within 3 months
 				

F-2	Fire Rated Construction	Elevator shafts are directly open into the inside of the stairs.	For new construction, elevators shall not open into an exit enclosure as per the RSC Technical Guidelines (Standard)-6.14.3. In new and interim construction, an exit stairway shall not be built around a lift shaft unless both of them are located in a smoke proof enclosure and made of a material with fire resistance rating required for the type of construction of smoke proof enclosure.	Within 3 month
 				
F-3	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: Electrical riser and PVC pipe through out the entire floors.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months

 				
F-4	Fire Rated Construction	[Hazardous materials / flammable liquid storage] area is separated by fire-rated construction but door is non rated. Location: Chemical storage room on ground floor.	Provide a minimum 4-hr fire rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
 				

F-5	Fire Rated Construction	Exit stair enclosures are not free from unusual unsealed penetrations and openings (Electric cable raceway).	Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure. Remove cable raceway/bus bar riser/ plumbing pipes and electrical pipes from the exit stair enclosures. Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.	Within 3 months
 				
F-6	Mean of Egress	Parapets or guards are provided in roof which is less than 1067mm (42 inch.).	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months



F-7	Means of Egress	Electrical panels were located in all the exit stair enclosures. Location: Ansar building on ground floor.	Remove and re-locate all electrical panels from exit stair enclosures.	Within 1 month
				

F-8	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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 3 months
				
F-9	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 3 months

F-10	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Design & Installation of Fire Alarm & Detection system shall be in accordance with RSC Technical Guidelines (Standard) and NFPA 72. Submit design, documents and calculations to RSC for review prior installation/modification. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
				
F-11	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 RSC Technical Guidelines (Standard).	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per RSC Technical Guidelines (Standard).	Within 1 month after installation.

F-12	Fire Protection System(Fire Pump and Standpipe)	Fire Pump and Standpipe system installation requires detailed review to confirm compliance with RSC Technical Guidelines (Standard) and NFPA-20 and 14.	Submit the fire pump and standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard) and NFPA 20 and 14. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire protection System(Standpipe) installation.	Within 3 months
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F-13	Fire Protection System(Sprinkler)	Sprinkler system installation requires detailed review to confirm compliance with NFPA 13 and the RSC Technical Guidelines (Standard).	Submit the sprinkler system drawing to RSC for review. Once reviewed, install or modify the sprinkler system throughout the building in accordance with RSC Technical Guidelines (Standard) and NFPA 13. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire protection System(Sprinkler) installation.	Within 3 months
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F-14	Fire Protection System(ITM of fire pump, standpipe and sprinkler)	Inspection, testing, and maintenance for the Sprinkler, Standpipe and fire Pump are not in accordance with NFPA 13, 14, 20 and 25 or as per the RSC Technical Guidelines (Standard).	Inspect, test and maintain the Sprinkler, Standpipe and fire Pump, and keep written records on-site, in accordance with NFPA 13, 14,20, 25 or as per the RSC Technical Guidelines (Standard).	Within 1 month after installation.
F-15	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per RSC Technical Guidelines (Standard).	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per the RSC Technical Guidelines (Standard).	Within 1 month