

FIRE SAFETY INSPECTION REPORT

FACTORY: COTTON CLOTHING LTD- NEW Extension unit

ACCORD ID: 23419

ADDRESS: Kazi Tower, Sataish Road, Sataish Road, Gazipur

Google Coordinate: 23.919936 ; 90.388819

Other Factories: COTTON CLOTHING LTD. [ACCORD ID: 12051]



Inspected By: Md. Anayet Hossain.

Date: 13/01/2019

Fire Safety Inspection Report

Factory Name: COTTON CLOTHING LTD- NEW Extension unit

Introduction:

COTTON CLOTHING LTD- NEW Extension unit complex was surveyed for fire safety on 13/01/2019 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.



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 enclosures are not separated from work areas and other spaces on each floor by fire-rated construction(Non rated doors, unsealed penetrations and openings etc.).	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 3 months	



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2	Fire Rated Construction	The interior west exit stair discharges inside the building in the ground floor area.	Provide 2-hr fire-rated exit passageway leading directly outside. - Modify stair to discharge directly outside. - Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). - Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 3 months	
3	Fire Rated Construction	The raised walkway is not separated from building 1 on the 1st, 2nd, 3rd & 5th floors 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 3 months	 



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4	Fire Rated Construction	Room used for combustible storage are not separated by fire rated construction. Locations: Ground, 1st and 3rd floors.	Separate the storage room by a minimum 1- hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months	   
5	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated. Locations: 2nd & 3rd floors.	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 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	  



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	Fire Rated Construction	Unsealed penetrations and openings are located in the west exit stair enclosures	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 Months	
7	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies.	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. Or Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 Months	
8	Fire Rated Construction	The fire pump room is not provided with adequate fire separation. Location: Ground floor (East side).	Provide fire pump room with 2 hr. rated fire separation when not sprinkle red 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	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
9	Fire Rated Construction	The air compressor room is not separated by fire rated construction (openings, penetrations) Location: Ground floor	Separate the air compressor room by minimum 2-hr fire rated construction. Seal and/or protected all fire separations.	Within 3 Months	
10	Storage in Egress Path. Locations: Various floors.	Storage was located in the egress paths.	Keep egress path and stair clear of storage.	Immediate	 



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11	Storage in Exit Stair	Storage was located in exit stairs.	Remove storage from the exit stairs and egress path	Immediate	 
12	Storage in Exit Stair	Electrical appliances were located in the west exit stair enclosures.	Remove and re-locate all electrical panels from exit stair enclosures.	Within 3 Months	



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13	Stair Sign & Occupant Load sign	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month	
14	Fire Detection & Alarm System	Fire detection & alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards	Submit as-built drawings, testing records, listing information and other relevant documentation to the ACCORD for review and approval, modification shall have to be done as per the reviewed design (if required) Upon approval & installation/modification the owner shall contact the Accord prior to conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire detection & alarm system and keep written records on-site, in accordance with NFPA 72 and ACCORD standards.	Within 2 months (Design submission) & 6 months (Installation)	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
15	Fire Alarm & Detection ITM	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 3 Months	
16	Water Based Fire Protection System	The standpipe system installation is going on without approval from AHJ.	Submit As-Built drawing to AHJ for approval and replace or modify the standpipe system in accordance with NFPA 14.	Within 2 months (Design submission) & 6 months (Installation)	
17	Standpipe ITM	Inspection, testing, and maintenance for the standpipe system is not in accordance with NFPA 14 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 3 Months	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
18	Fire Pump ITM	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20 or as per Accord standard.	Inspect, test and maintain the fire pump and keep written records on-site, in accordance with NFPA 20 or as per Accord standard.	Within 3 Months	
19	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 2 months	
20	Non-Working Exit Signs	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
21	Emergency Lighting ITM	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 1 month	
22	Fire Extinguishers ITM	Inspection, testing & maintenance of portable fire extinguisher is not in accordance with NFPA 10	Inspect, test & maintain the portable fire extinguishers & keep written records on site , in accordance with NFPA 10	Within 1 month	

