

INITIAL FIRE SAFETY INSPECTION REPORT

Chorka Apparels Ltd.

RSC ID: 24278

ADDRESS: Kazirchor, Danga, Polash, Narshingdi, Bangladesh

GPS Coordinates: 23.874230, 90.557877

Other Factories: None



Inspected By: Md. Rafat Arefin & Md. Ferdaus Jaman

Date: 15-Nov-2021

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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction from offset printing area. Location: Ground floor.	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.	Within 3 months
				

F-2	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 rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1	Within 3 months
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F-3	Fire Rated Construction	The generator, transformer and air compressor room is not separated by fire rated construction (openings, non-rated doors, penetrations). Location: Utility shed	Separate the generator, transformer and air compressor room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations	Within 3 months
				
F-4	Fire Rated Construction	Unsealed penetrations and openings are located in the exit stair enclosures. Location: East and North-east stair.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 months

				
F-5	Fire Rated Construction	Elevators are installed in the exit stair enclosure and not fire rated.	Modify the elevator and stair enclosure arrangement in a way to satisfy Accord standard 6.14.3. Elevator shall not open into an exit enclosure.	Within 4 months
				

F-6	Fire Rated Construction	Unsealed penetrations and openings (i.e. Bathroom plumbing pipes) are located on all floors locations in the fire rated floor/ceiling assemblies. Location: Several floors of main production building.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 2 hr.) assemblies by third-party certified 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
		 		
F-7	Fire Detection and Alarm System	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, equipment certification and other relevant documentation of fire alarm and detection system to the RSC for review and approval. Installation shall be as per the reviewed design with listed equipment and NFPA-72.	Design submission within 2 months, Modification within 4 months



F-8	Fire Detection and Alarm System-ITM	Inspection, testing, and maintenance (ITM) for the fire detection system is not in accordance with NFPA 72 and ACCORD standards.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72 and ACCORD standards.	Within 1 month (After installation)
F-9	Fire Protection System	The existing building has an occupied floor greater than 10 meter (33 feet) and requires standpipe system detailed review to confirm compliance with NFPA 14, 20, 22 and ACCORD standards.	Submit as-built drawings, equipment certification and other relevant documentation of standpipe system to the RSC for review and approval. Installation shall be as per the reviewed design with listed equipment and NFPA-14, 20 and 22.	Design submission within 2 months, Modification within 4 months

				
F-10	Fire Protection System-ITM	Inspection, testing and maintenance (ITM) of the standpipe and automatic sprinkler system are not in accordance with NFPA 14, 25 and ACCORD standards.	Inspect, test and maintain the standpipe and sprinkler system and keep written records on-site, in accordance with NFPA 14, 25 and ACCORD standards.	Within 1 month (After installation)
F-11	Egress	Egress doors/gates with locking features not complying with NFPA101 are provided at exit of offset printing room on ground floor.	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Within 1 month

		 		
F-12	Egress	Uneven waking surface was observed on exit stair that may lead to severe injury.	Abrupt changes in elevation of walking surfaces shall not exceed $\frac{1}{4}$ in. unless provided with a beveled slope of 1 in 2 that do not exceed $\frac{1}{2}$ in. Changes greater than $\frac{1}{2}$ in. shall meet the requirements for 6.3.5.	Within 1 month
				

F-13	Egress	Handrails are not provided on both sides of each exit stairs. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation.	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
F-14	Egress	Electrical DB panels are found in the exit stair. Location: South-west and North-west stair on ground floor.	Remove the electrical DB panel from exit stair.	Within 1 month
				

F-15	Egress	Common path of egress travel exceeds 30 meter. Location: Mezzanine office.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 meter.	Within 3 months
F-16	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.) at several locations.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month
				

F-17	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: On all floors.	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-18	Egress Lighting	The directional signs are not provided where there is a change in direction and where the continuation of the egress path is not obvious. Location: On all floors.	Install illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month

				
F-19	Egress Lighting (ITM)	Inspection, testing, and maintenance for the emergency lighting system were 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 3 months
F-20	Construction Practices and Safety	Hot-work permit policy/program was not maintained by the factory.	A hot-work permit system in accordance with NFPA 51B shall be provided for any construction in an occupied facility.	Within 1 month

F-21	General Building Requirements	A Diesel re-filling station along with 20000 L diesel fuel storage has been located near substation-generator building.	A license must be obtained in accordance with the Petroleum Act for all storage of Class II petroleum greater than 1000 L (264 gal) individually and 2000 L (528 gal) aggregate. The licenses must be prominently posted and kept up to date. Proper fire risk assessment along with precautionary action shall be taken.	Within 6 months
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