

INITIAL FIRE SAFETY INSPECTION REPORT

KM APPAREL KNIT (Pvt) LTD. (Extensions)

RSC ID: 24536

ADDRESS: 8/A, Chanpara, Uttarkhan, Dhaka

Other Factories: KM APPAREL KNIT (Pvt) LTD. (RSC ID: 12006)



Inspected By: Ahammad Kabir & Md. Anisuzzaman

Date: 05th - February - 2023

Findings & Recommendations :

Table 1- summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline.

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: Findings & Recommendations

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	All the exit stairs are not separated from work areas, other spaces on each floor by fire rated construction due to installed fire doors non functional at Building-2 and Building-3.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating with 1- hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated materials for buildings with 3(three) or fewer stories and a minimum of 2- hr. fire resistance rating exit stair enclosure for buildings 4(four) or more stories. The clearance under the bottom of a fire door shall be a maximum of 19mm. 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	Factory has claimed that Building expansion are sealed by fire rated materials. During inspection it was found that building expansion joint opening is not properly sealed by fire rated sealant/material. Penetrations through floor/ceiling assemblies are found unsealed at the expansion joint.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's datasheet. Or Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
				
F-3	Fire Rated Construction	Elevator shafts are directly open inside of exit enclosure. Factory has claimed that lift landing doors are fire rated, which requires to be verified. Location: Stair-3 of building 2	Modify the elevator shaft as per RSC Technical Guideline (Standard) V1-6.14.3. 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. So, ensure the lift shaft is 2-hr fire rated including opening protection with similar rating.	Within 3 months



F-4	Fire Rated Construction	Exit passageway is not separated from the interior of the building by fire rated construction on the ground floor.	Separate the exit passageway (ceiling, floor, wall etc.) by 2- hr. fire-resistance rated construction and shall terminate at an exit discharge.	Within 3 months
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F-5	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on the production 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 2 months
F-6	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14, 20, 22 & 24 or as per RSC standard.	Submit the standpipe system drawing to RSC for review. Once the design is reviewed, install and modify the standpipe system throughout the building in accordance with review comment, RSC Standard and NFPA 14, 20, 22 and 24. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design Review within 1 month and modification within 3 months (If require).



F-7	Fire Protection System (ITM of Standpipe system)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per RSC standard.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 or as per RSC standard.	Within 1 Month after installation.
F-8	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 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 1 Month