

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Denim Asia Limited (Extension Building)

Factory ID: 24213

Google Co-ordinate: 24.03473, 90.27971

ADDRESS: Ratanpur Road, Taltola Shafipur, Kaliakair, Gazipur, Bangladesh

Other Factories: Denim Asia Limited ID: 23435



Inspected By: Ahammad Kabir & Md. Foysal Ahmed

Date: 21.09.2021

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 for washing building

SI No.	Category	Findings	Required Action	Remediation Time Frame
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F-1	Fire Rated Construction	Exit Enclosures are not properly fire separated from other occupancy on each floor by fire rated construction. Location: Washing building	Provide minimum 1-hr fire rated separation exit enclosure. Provide minimum 0.75-hr fire rated doors and seal all unprotected openings and penetration by 1-hr fire rated barrier construction to separate the exit stairs from work areas and other building spaces on all floor levels. 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
 				

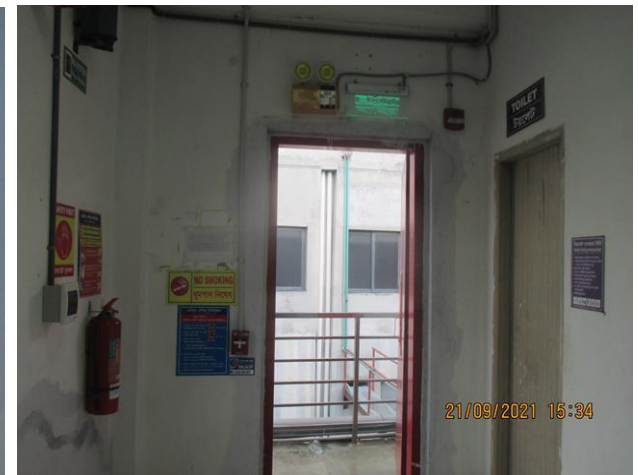
F-2	Fire Rated Construction	Areas used for storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction. Location: Washing building	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Or, Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. 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
 				

F-3	Egress	Occupant load signs are not posted at the exit stair at all levels.	Occupant load sign and stair designation shall be posted at the entrance to exit stair at all levels.	Within 1 month
				
F-4	Egress lighting	Manual on-off switch is provided for exit signage units at washing building.	Remove manual on/off switches from [emergency lighting /exit signage] units to prevent them from being switched off	Within 1 month



F-5	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-6	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months

F-7	Fire Alarm & Detection System (FADS)	An addressable fire alarm & detection system installation was ongoing during inspection day. The Required Fire Alarm system is not installed in accordance with the ACCORD standard and NFPA-72. Location: Washing building and support anciliaries	Design & Installation of Fire Alarm system shall be in accordance with ACCORD 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.	Design within 2 months, Install within 4 months.
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F-8	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 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 1 Month after installation.
F-9	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord 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 3 months