

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Vintage Denim Studio Ltd. (Extended Building)

Factory ID: 24153

Google Co-ordinate: 24.089027, 89.033456

ADDRESS: Plot# MSSFB-2, IEPZ, Paksey, Ishwardi, Pabna

Other Factories: N/A



Inspected By: Mohammad Anayet Hossain & Md. Foysal Ahmed

Date: 2 June 2021

Fire Safety Inspection Report

Factory Name:

Introduction:

The Vintage Denim Studio Ltd. (Extended Building) complex was surveyed for fire safety on 2-June-2021 by The RSC 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 RSC. 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.

Limitations:

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The RSC cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

General Factory Information:

Factory Building name(s):

- 1. Building-1 (Main Production Building)**
- 2. Building-2 (Utility Shade)**

Factory Address: Plot# MSSFB-2, IEPZ, Paksey, Ishwardi, Pabna

Points of contact:

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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
1	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. 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



2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Locations: All 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
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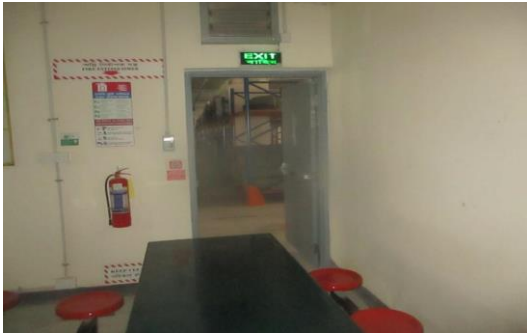
3	Means of Egress	Elevator shafts provided in North stair (stair-A) exit stair enclosure	Modify the elevator and stair enclosure arrangement in a way to satisfy Accord standard 6.14.3. Elevator shall not open into an exit enclosure. Elevator landing door shall be of 1.5-hr fire rated within the factory floor.	Within 4 months
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4	Fire Rated Construction	Unsealed penetrations and openings are located in the exit stair enclosures at several locations.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 months
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5	Fire Rated Construction	Dining room located at ground floor providing exits inside the store room.	Separate the dining and prayer area by a minimum 2-hr fire rated construction having a direct access to exit stair or directly outside & Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas) for the secondary exit. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
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6	Fire Rated Construction	Storage room discharges directly into exit stair enclosures. Locations: Ground, 1st & 2nd floors.	Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 2 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	within 3 months
				

7	Guard Rail	No guard rail provided for exit discharge ramps on ground floor.	Provide handrails on both sides of the exit stair. 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
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8	Fire Alarm & Detection System	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design within 2 months, Install within 3 months (If modification required)
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9	Fire Detection System(ITM of FADS)	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
10	Fire Protection System (Fire Pump)	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design within 2 months, Install within 3 months (If modification required)



11	Inspection Testing and Maintenance of Fire Pump System (ITM)	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and ACCORD standards.	Within 3 months
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12	Fire Protection System (Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards.	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Design within 2 months, Install within 3 months (If modification required)
				

13	Inspection Testing and Maintenance of Standpipe System (ITM)	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards.	Within 3 months
14	Parapets	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.)	Provide parapets or guards with a minimum height of 42 in. for all occupiable roof areas.	Within 3 months



15	Stair Sign & Occupant Load sign	Building did not have stair designation signs or occupant load signs at the required locations in several floors.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month
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16	Means of Egress	Fire evacuation map is not posted at the entrance in some exit stairs.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month
17	Inspection, testing, and maintenance of the emergency lighting system (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 3 months

18	Inspection Testing and Maintenance of Portable Fire Extinguisher. (ITM)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and ACCORD standards.	Within 3 months
19	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along the 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