

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Universal Jeans-3

RSC ID: 24161

ADDRESS: Plot # 69, Sector # 7, Export Processing Zone, Chattogram -4223

Google co-ordinate: 22.300516, 91.776743

Other Factories: None



Inspected By: Md. Ferdaus Jaman & Tarif Raihan

Date: 17-Feb-2021

Fire Safety Inspection Report

Factory Name: Universal Jeans-3

Introduction:

Universal Jeans-3 complex was surveyed for fire safety on **17/02/2021** 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.

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	Rooms used for combustible storage are not separated by fire rated construction on several floors. Location: Finished goods store on 3rd floor and garments stock storage on the 6th and 7th floor of the main building.	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
				

2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Location: Cutting section on 4th floor.	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
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3	Fire Rated Construction	The generator room is not separated by fire rated constructions (openings, non-rated doors, penetrations) on ground floor of the main building.	Separate the generator room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations.	Within 3 months

				
4	Fire Rated Construction	Unsealed penetrations and openings are located in the exit stair enclosures. Location: Most of the floors of south-west stair.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 months

				
5	Fire Rated Construction	The south-east exit discharge path is less than 10 ft. wide and is not separated from the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way.	Within 6 months
				

6	Fire Rated Construction	Dining hall and garments stock storage areas are not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: On 6th floor.	Separate the dining area from garments stock storage area by a minimum 3- hr. fire-rated construction. Seal and/or protect all openings to maintain the required fire separations.	Within 3 months
				
7	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. Elevator landing door shall be of 1.5-hr fire rated.	Within 4 months

				
8	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.	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

				
9	Means of Egress	The narrow egress path is not adequate for serving an occupant load 50 or more. Location: Egress discharge path of south-east exit stair on ground floor.	Modify the egress path or provide minimum clear width of passageway serving an occupant of 50 or more shall not be less than 44 inch.	Within 3 months



10	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
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11	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 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.	Design submission within 2 months, Modification within 4 months
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12	Fire Protection System	The existing building has an occupied floor greater than 23 meter (75 feet) and requires automatic sprinkler system detailed review to confirm compliance with NFPA 13 and ACCORD standards.	Submit as-built drawings, equipment certification and other relevant documentation of sprinkler system to the RSC for review and approval. Installation shall be as per the reviewed design and NFPA 13.	Design submission within 2 months, Modification within 4 months
				

13	Fire Protection System	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit as-built drawings, equipment certification and other relevant documentation of fire pump to the RSC for review and approval. Installation shall be as per the reviewed design and NFPA 20.	Design submission within 2 months, Modification within 4 months
				
14	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 3 months

15	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 3 months
16	Fire Protection System-ITM	Inspection, testing and maintenance (ITM) of the fire pump system is not in accordance with NFPA 20 and ACCORD standards.	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
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

		 Inadequate emergency light and directional sign	 Inadequate emergency lights and directional signs	
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
		 Inadequate emergency light and directional sign	 Inadequate emergency lights and directional signs	 Directional sign not provided

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
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