

INITIAL FIRE SAFETY INSPECTION REPORT

Fashion Forum Ltd (Extension-2)

RSC ID: 24568

53, 54 Diakhali, Zamgora Asulia Savar, Dhaka

23.933754707811612, 90.28747310134737

Other Factories: Fashion Forum Ltd (ID-9988), Fashion Forum Ltd (Extension-1) (ID -23725)



Inspected By: Md. Rakibul Alam and Md. Musa

Date: 17 Sep 2023

Fire Safety Inspection Summary Report

Factory Name: Fashion Forum Ltd (Extension-2)

Summary:

RSC ID: 24568

Fashion Forum Ltd (Extension-2) complex was surveyed for fire safety on 17 September 2023 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.

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.

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:

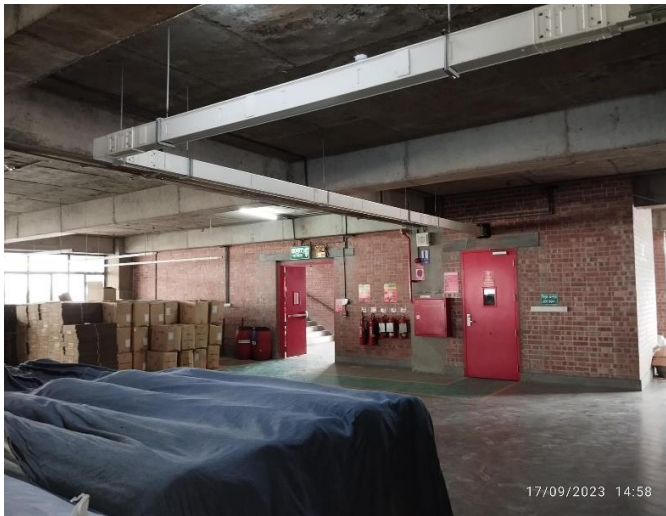
Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Alarm & Detection System (FADS)	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 6 months (2 months for review and 4 months for installation)
				
2	Fire Suppression System (SUPS)	The fire pump set installation requires detailed review to confirm compliance with NFPA 20 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 6 months (2 months for review and 4 months for installation)

				
3	Fire Suppression System (SUPS)	The firefighting system (standpipe) installation requires detailed review to conform compliance with NFPA 14.	Submit as built drawing, testing records, equipment certification and all relevant documents to the RSC for review, approval and acceptance test.	Within 6 months (2 months for review and 4 months for installation)
  				

4	Fire Rated Construction	Exit stair(s) is discharge the occupants inside the building.	Modify stair to discharge directly outside. Or Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or Provide automatic sprinkler protection in accordance with NFPA 13 throughout the level of exit discharge or portion of the level of discharge where separated from non sprinklered portions of the floor by fire barriers with the same fire resistance rating as the exit enclosure to meet RSC 6.17.3.	Within 3 months
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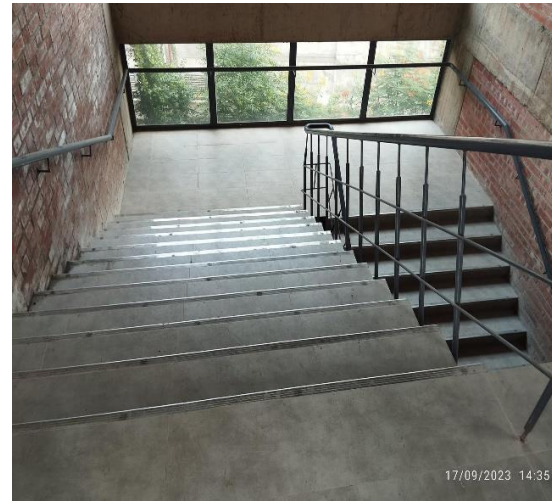
5	Fire Rated Construction	Elevator shaft is provided in the exit stair enclosure and directly open to exit stair enclosure.	Modify the elevator and stair enclosure arrangement in a way to satisfy RSC standard 6.14.3. Or Separate the elevator by 1.5-hr fire rated opening protection from factory floors and exit stairs. There is a variety of opening protective types i.e., fire rated lift landing doors, fire doors with vestibules, fire rated curtain combination for both heat & smoke control with integration with fire alarm control panel.	Within 3 months
 				
6	Means of Egress	Fire evacuation maps is not posted at all entrance of the exits at several floors and Evacuation maps is not updated.	Fire evacuation maps shall be posted at the entrance to each exits and exit stairs and maps shall be updated regularly when required.	Within 1 month

7	Fire Rated Construction	Storage/ storage rooms from 2nd /3rd floor discharges directly into the exit enclosures. Openings from exit enclosure to storage room, generator, basements, transformer boiler and similar normally unoccupied spaces shall be provided with a vestibule with fire rated construction and openings as per RSC Technical Guidelines (Standard) 6.14.3. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storeroom/storage side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
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8	Fire Rated Construction	Unsealed utility pipe and riser penetration is located in the fire-rated floor/ceiling assemblies	Penetrations of fire resistive rated assemblies shall be protected with listed through penetration fire stop system, Tested in Accordance with ASTM E814 and RSC standard 4.7.	Within 2 months
				
9	Means of Egress	Tripping hazard and steel sheet with sharp edge was located in the egress path.	Remove tripping hazardous materials from egress path.	Immediately
				

10	Means of Egress	Uneven path of travel and blockage was observed in exit access.	Remove unnecessary items and level exit path to the public way.	Immediately
				
11	Means of Egress	Handrails heights were found less than 34in. to 38in and Handrails/Parapets/Guards sphere gaps were found more than 200 mm (8 in.) in diameter.	Provide handrails on both sides of the exit stair. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.). New & Interim 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. Handrails/Parapets/Guards shall have intermediate rails or patterns such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.) as per RSC standard.	Within 3 months



12	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed.	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
13	Means of Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Within 1 month
14	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location:	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 1 month

15	Emergency Light	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC standard. Keep written records on-site.	Within 1 month
16	Fire Rated Construction	The S-E, N-W, S-W stair of this building is not having a fire separation from the building beyond 10 feet of its span as required as per clause 6.3.1.3 of RSC Standard.	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 2-hr fire separation. Or Seal the opening on stair to provide 2-hr fire separation.	Within 3 months



17	Means of Egress	Stair treads were found unequal from top to bottom step. Location: N-E Stair	Stair treads shall be of nominal uniformity. The maximum riser height for any stair shall be 215 mm (8.5 in.). Any riser height at the top or bottom step in a stair run exceeding more than 51 mm (2 in.) difference from the adjacent riser height shall be modified to be within this tolerance as per RSC standard 6.9.2.3.	Within 3 months
18	Non rated structure	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 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



19	Means of Egress	The exit discharge path [serving __exit] 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 (only include this if feasible).	Within 3 months
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20	Non rated structure	Chemical storage area is not separated by fire-rated construction having damaged fire rated door and unsealed penetrations and openings.	Separate the chemical storage room by 2-hr fire rated construction. Seal all penetrations and protect the openings to maintain the required fire separations. Keep 16-points MSDS of all chemicals in the storage area. ** As per BNBC, chemical storage room will be Type-1 construction.	Within 3 months



21	Fire Alarm & Detection System (FADS)	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72.	Within 3 months
22	Fire Suppression System (SUPS)	Inspection, testing and maintenance for the fire protection system (standpipe) was not in accordance with standard.	Inspect, test and maintain the fire protection system and keep written records on-site, in accordance with NFPA 25.	Within 3 months
23	Fire Suppression System (SUPS)	Inspection, testing and maintenance for the fire pump system was not in accordance with standard.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20, NFPA 25.	Within 3 months
24	Fire Suppression System (SUPS)	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 The RSC Technical Guidelines (Standard).	Within 1 month