

INITIAL FIRE SAFETY INSPECTION REPORT

Incredible Fashions Ltd (Extension)

RSC ID: 24621

Karol, Surichala, Mouchak, Kaliakoir, Gazipur (24°02'54.5"N 90°16'04.9"E)

Other Factories: Incredible Fashions Limited (Factory ID-12137)



Inspected By: Mohammad Anayet Hossain & Md. Khalaquzzaman

Date: 01 January 2023

Fire Safety Inspection Report

Incredible Fashions Limited (Extension)

Introduction:

Incredible Fashions Limited (Extension) complex was surveyed for fire safety on 01/01/2023 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.

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): There is only one building under this ID. The name of this building is Storage Building. The building is 5 storied. The per floor area of new building is 6859.95 sft.

Factory Address: Karol, Surichala, Mouchak, Kaliakoir, Gazipur

Findings & Recommendations :

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 review.

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor due to non-functionality of fire rated door.	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



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures. Location: South Stair.	Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.	Within 1 month
 				

F-3	Fire Rated Construction	The boiler, generator, compressor and substation rooms are not fire separated with fire rated construction barrier or assemblies. Location: Utility Shed	Separate the boiler and compressor rooms by a minimum 1-hr fire-rated construction with 0.75-hr fire rated opening protective assemblies like fire rated door. Similarly separate generator and substation room by a minimum 2-hr fire rated construction with 1.5-hr fire rated opening protective assemblies like fire rated door. Provide proper ventilation and consult a qualified engineer for overall solution. When located to the exterior of a building by at least 3m (10 ft.) distance from surroundings then fire rated construction barrier is not mandatory.	Within 3 months
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F-4	Fire Rated Construction	Dining area is not separated by fire rated construction with Utility's. Location: Adjacent utility within 5 feet	Separate the dining from other occupancies (Utility shed) by minimum 3-hr fire rated construction. Provide rated exit passageways leading directly to the exit stairs with the same resistance rating.	Within 3 months
 				

F-5	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancies. Location: 1st Floor	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
				

F-6	Fire Rated Construction	Storage discharged directly into the exit stair enclosure. Location: 2nd, 3rd & 4th Floor.	Openings from exit enclosure to storage room, generator and transformer spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the Store, generator, sub-station room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
				

F-7	Fire Rated Construction	The fire pump room is not provided with adequate fire separation.	Provide fire pump room with 2 hr rated fire separation when not sprinklered and 1 hr rated fire separation when provided with automatic sprinklers in accordance with NFPA 20 Or, Physically separate the pump room from the protected building by a minimum of 50 ft. (15.3 m) in accordance with NFPA 20	Within 3 months
				

F-8	Fire Rated Construction	Elevators open inside the staircase. Location: North Stair enclosure.	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.	Within 3 months
				
F-9	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 1 month

F-10	Egress Lighting	Manual on-off switch is provided for emergency lighting / exit signage units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
F-11	Egress Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month

F-12	Fire Alarm & Detection System (FADS)	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire detection system with a new, listed addressable fire detection system in accordance with NFPA 72. Submit design, drawings and other relevant documentation to the RSC for review.	Design within 2 months, Install within 6 months.
 				

F-13	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with table 14.3.1 of NFPA 72.	Within 1 month after installation.
F-14	Fire Protection System(Standpipe)	Standpipe installation requires detailed review to confirm compliance with NFPA 14, 20 and RSC Technical Guideline (Standard).	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guideline (Standard) and NFPA 14, 20,22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.	Design within 2 months, Install within 4 months.
				

F-15	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and keep written records on-site.	Within 1 month after installation.
F-16	Fire Protection System(ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump in accordance with NFPA 25 and keep written records on-site.	Within 1 month after installation.