

INITIAL FIRE SAFETY INSPECTION REPORT

M U Fashion Ltd

RSC ID: 24416

**ADDRESS: SOUTH SALIMPUR , JAFARABAD-4317,FOUZDERHAT INDUSTRIAL AREA,CHATTOGRAM,
BANGLADESH**

Geographical Coordinates of factory building: 22.381451, 91.764042

Other Factories: N/A



Inspected By: Md. Hasibur Rahman Abir, Md. Tarif Raihan

Date: 09-June-2022

Fire Safety Inspection Report

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Introduction:

M U Fashion Ltd complex was surveyed for fire safety on **09/06/2022** 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 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

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	The exit stairs are not fire separated from other spaces due to unprotected openings.	Provide minimum 2-hr fire rated separation in exit enclosures with minimum 1.5-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels with similar rating of fire door. 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	Several structural elements of the top floor of the production building are made of steel and found exposed without any fire protection which is defined as non-rated construction and a violation of BNBC-2006.	Construction must be of type 1 (See BNBC 2006 Part 3 Table 3.2.4, page 10356 and Part 3, Table 3.1.9, page 10319). Provide/ensure required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the RSC Technical Guideline standard or Table 3.3.1 and Table 4.1.1 from BNBC 2006. Consult a qualified fire protection engineer to design the rated construction barriers.	Within 6 months
		 		

F-3	Fire-Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by third-party certified fire rated materials to maintain the fire resistance rating. Installation shall be as per manufacturer published installation guideline and the certification authority guideline to ensure the fire-rating. or, Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
 				

F-4	Egress	Fire evacuation maps inside the exit stair enclosure.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month
F-5	Egress	The means of egress (all three) at the discharge point of the ground floor is very narrow compared to stair width which congests the discharge system.	Modify the width of the means of egress at the discharge point on the ground floor to ensure a minimum 1.5 m (60 in.) clear width. (RSC Technical Guideline standard 6.5.6.2.1.)	Within 1 month
F-6	Egress	Building did not have occupant load signs at required locations.	The occupant load shall be posted for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month

F-7	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Ground Floor.	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-8	Egress lighting (ITM)	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

F-9	Fire Alarm System	Factory did not review & verify the fire alarm system installation detailed to conform compliance with NFPA 72 and RSC standards.	Submit as-built drawing, calculations, equipment certifications and other relevant documentation to the RSC for review and approval, modification (if required) shall have to be done as per the reviewed design, NFPA 72 & RSC standard. & Upon approval & modification (if required) the factory shall verify the system by RSC for final acceptance.	Design within 1 month & Installation 3 months
 				

F-10	Fire Pump System	Factory did not review & verify the fire pump system installation detailed to conform compliance with NFPA 20, 22 and RSC standards.	Submit as-built drawing, calculations, equipment certifications and other relevant documentation to the RSC for review and approval, modification (if required) shall have to be done as per the reviewed design, NFPA 20, 22 & RSC standards. & Upon approval & modification (if required) the factory shall verify the system by RSC for final acceptance.	Design within 1 month & Installation 3 months
 				

F-11	Fire Protection System	The highest occupied floor of existing building is more than 23 m (75 ft) above grade where sprinkler system along with minimum class I standpipe system is mandatory. The factory has installed automatic sprinkler system and Class I standpipe which is required to be reviewed and verified.	(Where the building is protected throughout with automatic sprinklers a Class I standpipe (65 mm connections without attached hose) shall be permitted. The installation of Occupant Use (Class II 40 mm connections) shall not be required.) Submit as-built drawing, calculations, equipment certifications and other relevant documentation to the RSC for review and approval, modification (if required) shall have to be done as per the reviewed design, NFPA 13, 14 & RSC standards. & Upon approval & modification (if required) the factory shall verify the system by RSC for final acceptance.	Design within 1 month & Installation 3 months
 				

F-12	Fire Alarm System (ITM)	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 NFPA 72 and RSC standards.	Within 5 months
F-13	Fire Pump System (ITM)	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 25.	Inspect, test and maintain fire pump system and keep written records on-site, in accordance with NFPA 25 and RSC standards.	Within 5 months
F-14	Fire Standpipe System (ITM)	Inspection, testing and maintenance of the fire standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain fire standpipe system and keep written records on-site, in accordance with NFPA 25 and RSC standards.	Within 5 months
F-15	Fire Sprinkler System (ITM)	Inspection, testing and maintenance of the fire sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain fire sprinkler system and keep written records on-site, in accordance with NFPA 25 and RSC standards.	Within 5 months