

INITIAL FIRE SAFETY INSPECTION REPORT

Nipa Fashion Wear Ind. Ltd.-Extended Building

RSC ID: 24172

ADDRESS: Selina Tower - 6, Holan Road, Islam Bag, Dhaka

Geographical Coordinates of factory building: 23.8563425N,90.4312016E

Other Factories: Nipa Fashion Wear Ind. Ltd.(In the premises)



Inspected By: Mohammad Anayet Hossain and Md. Anisuzzaman

Date: 08-June-2021

Fire Safety Inspection Report

Nipa Fashion Wear Ind. Ltd.--Extended Building

Introduction:

Nipa Fashion Wear Ind. Ltd.-Extended Building. complex was surveyed for fire safety on 08/06/2021 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: Selina tower -6

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit Enclosures are not properly fire separated from other occupancy on each floor by fire rated construction due to unprotected opening & penetrations.	Provide minimum 2-hr fire rated separation exit enclosure. Provide minimum 1.5-hr fire rated separation exit enclosure. Provide 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. 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	Elevator shafts are directly open into the inside of stair-1 (North side).	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 3 months
				

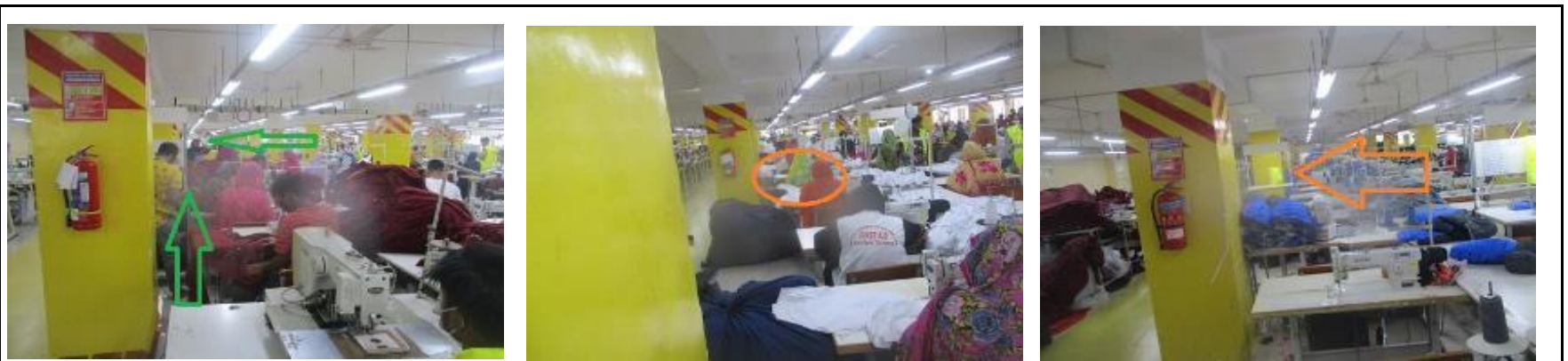
F-3	Fire Rated Construction	Areas used for storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction. Location: Several floors in various location in Selina tower-6 building.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated 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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F-4	Fire Rated Construction	The exit discharge path (Egress Court) was less than 10 ft wide and was not separated from the building interior. Location: Near to Stair-2 & stair-3(South side & East side).	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.	Within 3 months
				
F-5	Means of Egress	The egress path along the means of egress has been interrupted by obstruction/storage at 2nd & 3rd floor of Selina tower-6.	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	Within 1 month

				
F-6	Means of Egress	North-South exit stair -2, Stair-3 & stair-4 does not have a proper exit discharge as well as the discharge path is unusable.	Provide steps outside exit door from ground floor to courtyard and make a road / egress path for smooth discharge of occupants. Means of egress shall be maintained continuously free and clear of all obstructions	Within 1 month
				

F-7	Means of Egress	Ramp handrails are not provided & slope are not provided as per standard. Location: basement of Selina tower-6.	New ramps shall not have a running slope greater than 1 in 12 (8percent). Existing ramps shall not have a running slope greater than 1 in 8 (12.5percent). Ramps shall be provided with handrails on both sides of the ramp.	Within 3 months
				
F-8	Fire Rated Construction	Storage room discharges directly into exit stair enclosures. Locations: Basement, Ground & 1st 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



F-9	Egress lighting	Exit signage was double sided , indicating exit where not existed.	Replacing double sided exit signage indicated direction of exit.	within 1 month
F-10	Egress lighting	Exit sign not provided at all required exit locations.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month

F-11	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed at all required location.	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
F-12	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes located at each level all floor of Annex building.	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
F-13	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months

F-14	Means of Egress	Fire evacuation maps actual & stair designation sign are not posted at the entrance of all exit stair.	Actual updated fire evacuation maps & stair designation sign shall be posted at the entrance to each exit stair.	Within 1 month
F-15	Fire Alarm & Detection System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit design to RSC for review and modify installation if required. Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design within 2 months, Install within 4 months (If modification required).



F-16	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 3 months
F-17	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)
F-18	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

F-19	Fire Protection(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14, 22 & 24 and ACCORD standards.	Submit design to RSC for review and modify installation if required. Installation of standpipe system should be in accordance with ACCORD standard and NFPA 14, 22 & 24.	Design within 2 months, Install within 4 months (If modification required).
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F-20	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per Accord standard.	Inspect, test and maintain the Standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 3 months
F-21	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 3 months