

INITIAL FIRE SAFETY INSPECTION REPORT

DELUXE FASHIONS LTD. (Extension)

RSC ID: 24550

178,179 Baizid Bostami Road, Nasirabad Industrial Area, Chittagong.

GPS Coordinates: 22.390232N, 91.811246 E

Other Factories (in the premises): DELUXE FASHIONS LTD. (RSC ID: 11345), DELUXE FASHIONS LTD. (Extension) (RSC ID: 24550), CLIFTON TEXTILES & APPARELS LTD (RSC ID: 10371), CLIFTON APPARELS LIMITED (Out of scope, Nirapon ID: 9988)



Inspected By: Md. Hasibur Rahman Abir

Date: 20-09-2023

Fire Safety Inspection Report

Introduction:

DELUXE FASHIONS LIMITED (EXTENTION) complex was surveyed for fire safety on **20-09-2023** 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: There is only structure under this ID which is 'Building 2 (Utility)'.

Construction started: Jan' 2021.

Construction End: Dec' 2022

Occupied: Jan' 2023.

Design Approved by Chittagong Cantonment Board on 19-Nov-2020.

Building height: 64 feet

Area table	
Floor	Area (m ²)
Ground	312.8
1st	166.09
2nd	312.8
3rd	312.8
4th	312.8

Factory Address: 180, Baizid Bostami Road, Nasirabad Industrial /A, Chittagong,

Points of contact:

Name: Abdur Razzak
Designation: General Manager (Factory)
Phone Number: 01819-635230
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Name: Miftaul Hassan
Designation: Sr. Manager (HR & Compliance)
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E-mail: dfl_hrd@cliftongroupbd.com



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 review.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	The exit stairs are not separated from other spaces on each floor by unprotected openings and penetrations.	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 1.5-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure. Ensure that the fire doors are self-closing, 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-02	Fire Rated Construction	Exhaust Gas Boiler room is not properly separated with Generator Intake Air Room due to unprotected penetrations.	Boilers or other heat producing equipment shall be separated from other occupancies by a minimum 1-hr fire rated construction (wall, floor, slab etc). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
				

F-03	Means of Egress	Storage was located inside the exit stair enclosure at ground floor and top level.	Remove all storage from exit stair enclosures.	Within 2 Weeks
 				

F-04	Means of Egress	Building did not have occupant load signs at required locations.	Post the occupant load 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
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F-05	Means of Egress	Width of aisles is less than 0.9m (36-in.) at 2nd floor.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 2 months
				

F-06	Means of Egress	The doors in the means of egress have a width of less than 39 inches.	Doors in a means of egress shall have a minimum width of 1 m (39 in.). [RSC Standard section 6.5.6.1.2 Interim building.]	Within 3 months
 				

F-07	Means of Egress	Handrails are not provided on both sides of a required exit stair.	Provide handrails on both sides of the exit stair. 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.	Within 3 months
				

F-08	Human Element program	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 Month
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F-09	Human Element program	Fire drills are not performed as required.	Fire drills shall be conducted on a quarterly basis as outlined in BNBC 2020 Part 4 Appendix A for all garment facilities.	Within 6 months
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F-10	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: 2nd 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 2 months
				

F-11	Inspection, Testing and Maintenance (ITM) of Emergency light and Exit Sign	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.	
F-12	Inspection, Testing and Maintenance (ITM) of fire extinguishers	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 on- site, in accordance with NFPA 10 and RSC standards.	

F-13	Fire Alarm & Detection System (FADS)	Fire alarm and detection system installation complete which requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Submit the fire alarm system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the building in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 72. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design within 2 month and modification/ installation with 4 months
 				

F-14	Fire Suppression System (SUPS)	Fire Pump and Standpipe system installation complete which requires detailed review to confirm compliance with NFPA 14, 20, 22 and 24 and RSC Technical Guidelines (Standard).	Submit the Fire Pump and Standpipe system design to RSC for review. Once the design is reviewed, install and modify the Fire Pump and Standpipe system throughout the building in accordance with review comment, NFPA 14, 20, 22 and 24 and RSC Technical Guidelines (Standard). After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design within 2 month and modification/ installation with 4 months
 				

F-15	Inspection, Testing and Maintenance (ITM) of 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 Table-14.3.1 of NFPA 72.	Within 1 Month (after installation)
F-16	Inspection, Testing and Maintenance (ITM) of standpipe system	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-17	Inspection, Testing and Maintenance (ITM) of fire pump system	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)