

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Executive Hi-Fashions LTD (Extension)

RSC ID: 24844

**Sreechala, Bagerbazar, Joydebpur, Gazipur
24.1718333, 90.4218095**

Other Factories: Executive Hi-Fashions LTD. (ID: 12784)



Inspected By: Yusuf Ahmed

Date: 15-Jan-2024

Fire Safety Inspection Report

Executive Hi-Fashions LTD (Extension)

Introduction:

Executive Hi-Fashions LTD (Extension) complex was surveyed for fire safety on **15 January 2024** 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 were total four (4) structures which were covered during the initial inspection.

1. Shed-1 (Cutting Shed): Single Storied Steel Shed.
2. Shed-4 (Wastage Shed): Single Storied Shed.
3. Shed-7 (Security Shed): Single Storied Shed.
4. Building 10 (RMS room): Single Storied RCC Building.

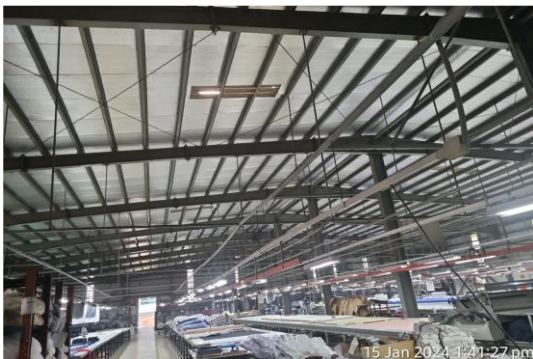
Factory Address: Sreechala, Bagerbazar, Joydebpur, Gazipur.

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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The main structural element of the Shed-1 (Cutting Shed) is steel which is non-rated & the steel members were found in exposed conditions without any fire protection.	The building shall be Type 1 or Type 2 construction as required in BNBC 2006 Part 3 Table 3.2.4. So, provide required rating for the structural elements of the building following BNBC 2006-Table 3.2.4, 3.1.9 and 3.3.1. Factory shall ensure that, all the design, datasheet, certificate, and the design-philosophy has been reviewed by the RSC prior to install the passive fire protection system.	Within 6 months
 				

2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Location: Shed-1 (Cutting Shed)	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - 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 2 months
 				

3	Means of Egress	The travel distance to reach an exit exceeded 45 meters. Also, the common path of egress travel exceeded 30 meters. Location: Shed-1 (Cutting Shed)	Reconfigure the egress arrangement to reduce the maximum travel distance to not more than 45 meters and the maximum common path of travel to not more than 30 meters. Travel distance limitations for G2 (RMG factories) shall be increased to 60 m (200 ft) where a complete automatic fire detection system, portable fire extinguishers, and standpipe system are provided in accordance with the RSC Technical Guidelines (Standard). Travel distance limitations for G2 (RMG factories) shall be increased to 122 m (400 ft) where a complete automatic sprinkler system, automatic fire alarm system, and portable fire extinguishers are provided in accordance with the RSC Technical Guidelines (Standard).	Within 2 months
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4	Means of Egress	Building did not have occupant load signs at required locations. Location: Shed-1 (Cutting Shed)	Post occupant load sign for every assembly and production floor in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month
5	Emergency Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Shed-1 (Cutting Shed)	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
6	Egress Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the emergency lighting system in the accordance with The RSC Technical Guidelines (Standard) and keep written records on-site.	Within 1 month
7	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 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 buildings 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 Review within 2 months and installation/modification within 4 months



8	ITM of Fire Alarm & Detection System (FADS)	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with the NFPA 72 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
9	ITM of Fire Extinguisher	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