

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: RATOOL APPARELS LTD. (EXTENSION SHEDS)

Factory ID: 24223

ADDRESS: Ansar Road, Vagnahati, Sreepur, Gazipur
(24.199780, 90.461393)

Other Factories: None



Inspected By: Safawan Abyaz

Date: 26 September 2021

Fire Safety Inspection Report

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Introduction:

The complex was surveyed for fire safety on **26/09/2021** 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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The new construction of both Shed 04 & Shed 09 are prefabricated steel type which is not rated.	Provide fire resistive rated insulation of structural members of each shed following section 4.4 and table 4.4.1 of the Accord Standard or table 3.3.1 (Part 3, BNBC 2006) and table 4.4.1 from BNBC part 4. Consult a qualified fire protection engineer to design the rated insulation.	Within 3 months

				
2	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: 1st floor, Office Building	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. Or 2. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months

				
3	Egress	Doors along means of egress are provided with non compliant locking system. Location: Shed 04, Shed 09	1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediate

				
4	Egress	The egress path along means of egress has interrupted by obstruction/storage. (Aisles) Location: Shed-04	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Keep egress paths and stairs clear of storage.	Immediate



5	Egress	Fire evacuation maps is not posted at the entrance of all exit stair. Location: Office Building	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month
6	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Shed 04	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

7	Egress Lighting	Exit sign is not provided at exits. It appeared that overall layout making work was still ongoing. Location: Office Building	Lighted exit signs shall be placed at entrance to an exit when the construction is completed.. 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 3 months
				

8	Fire Rated Construction	The exit stairs are not separated from floor areas on each floor by fire-rated construction. Location: Office Building	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. 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
				

9	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures. Location(s): First floor, Office Building	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 3 months
				
10	Egress Lighting	Exit signage not illuminated during testing (burned out, broken, etc.). Location: Office Building	Regularly inspect all exit signage as per Accord standard and replace/install lights as needed to illuminate signs.	Within 3 months

				
11	Egress Lighting Checklist	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard. Location(s): Office Building	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
12	Fire Extinguishers Checklist	Inspection, testing, and maintenance for the fire extinguishers is not in accordance with NFPA 10 or as per Accord standard. Location(s): All Buildings	Inspect, test and maintain the fire extinguishers, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 3 months

13	Fire Alarm & Detection System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards. Location(s): Shed 04, Shed 09, Office Building	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. And Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Design within 3 months, Modification within 6 months
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