

INITIAL FIRE SAFETY INSPECTION REPORT

Prudent Fashions Ltd

RSC ID: 24189

Dag # 49, Gazirchat Alia Madrasha, Kaicha Bbari Road, Dhamsona, Ashulia, Savar, Dhaka- 1344

Other Factories: None



Inspected By: Pantha Pallob Das & Nainin Nowrose

Date: 12 October 2021

Fire Safety Inspection Summary Report

Prudent Fashions Ltd.

Introduction:

Prudent Fashions Ltd. complex was surveyed for fire safety on 12/10/2021 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.

General Factory Information

Factory Building name(s): There are total 4 structures under this ID. The name o the structures are as: 1. Building-1 (Main Factory building, 5 storied RCC), 2. Building-2 (Fire Pump Room, Single storied RCC), 3. Building 3 (Security Guard Room, Single storied RCC) and 4. Building 4 (Fire Control room, Single storied RCC).

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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Elevator shafts are directly open into the exit stair enclosure. Located: Main Factory Building, Stair-1 & 2.	For new construction, elevators shall not open into an exit enclosure as per ACCORD Standard- 6.14.3. So, ensure separate enclosures for the elevator shafts with minimum 2 hr. fire rating. If elevator is not being installed/mandatory then the door opening can be sealed by minimum 2-hr fire rated construction.	Within 3 months



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies. Expansion joints and Electrical Bus-bar.	Seal the expansion joints by 2-hr fire rated materials to ensure the required fire separation as well as to maintain structural characteristic for the expansion joint. If sealed by listed rated material, provide all the relevant documents and certificate during follow-up and ensure checking facility with expert if required.	Within 3 months
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F-3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction. Location: 3rd floor, main Factory Building	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²). - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (1,000 ft²). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-4	Means of Egress	Storage was located in the exit stair enclosure and underneath the stair.	Remove all storage from exit stairs and egress paths.	Immediately
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F-5	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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 months
 				
F-6	Egress Lighting	Exit sign with directional arrow are not provided at the 4th floor.	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-7	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit design, documents and calculations to RSC for review prior and based on the review modify the system if there is any. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Design Review within 2 months and modification within 4 months (If require).
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F-8	Fire Protection System (Standpipe System).	Standpipe system and fire pump installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 24 and ACCORD standard.	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with Accord standard and NFPA 14 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 months and modification within 4 months (If require).
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