

INITIAL FIRE SAFETY INSPECTION REPORT

Vision Garments Ltd. (New Building)

RSC ID: 24674

B-47, Purbo Rajashan, Savar, Dhaka.

Geographical Coordinates of factory building: 23.849939, 90.286539

Other Factories: Vision Composite Knit Ltd-ID:10330 and Vision Garments Ltd.-ID:9634



Inspected By: Dilip Kumar Mondal and Md. Golam Kibria

Date: 25 September-2023

Fire Safety Inspection Report

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Introduction:

Vision Garments Ltd.-New Building Complex was surveyed for fire safety on 25 September-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(s):

- 1. Vision Washing Ltd-new Building-1(Semi Basement+G+ 5 Storied RCC),
Design Approved by Savar Municipality
Construction Period Interim.**

Total area of the building: 192556 sft.(per floor: 24789 sft for building-1)

- 2. RCC Utility Building- 29/01/2018 to 28/07/2018**
- 3. Boiler Shed-20/07/2021 to 31/12/2021**

Table-1: Finding & recommendation

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are separated from work areas & other spaces on each floor by fire rated construction. Location: 6th floor from conference room.	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. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be	Within 3 Months
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F-2	Fire Rated Construction	Elevator shafts are directly open into the inside of Stair-1.	For new construction, elevators shall not open into an exit enclosure as per RSC-6.14.3. So, separate the stair enclosure from elevator shaft throughout the building.	Within 3 Month



F-3	Fire-Rated Construction	Openings from exit enclosures to storage areas was not provided with vestibules on ground and 5th floors.	Openings from exit enclosures to storage areas, basements, transformer rooms, generator rooms, boiler rooms, and similar normally unoccupied spaces shall be provided with vestibules in accordance with RSC Technical Guideline (Standard)-6.14.3.	Within 3 Months
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F-4	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location Electrical cable riser, PVC piping and expansion joint.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 3 hr.) assemblies by third-party certified fire rated materials to maintain the fire resistance rating. or, Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 Months
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F-5	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction on ground floor.	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 3.66 m 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-6	Fire Rated Construction	Dining area is not separated from storage area on basement.	Separate the dining room by a minimum 3-hr fire-rated construction as per BNBC 2006, table:3.2.1. Seal and/or protect all openings to maintain the required fire separations. Also follow RSC Technical Guidelines StandardV1.0 article 3.3.4 Occupancy E: Assembly Buildings for capacity.	Within 3 Month
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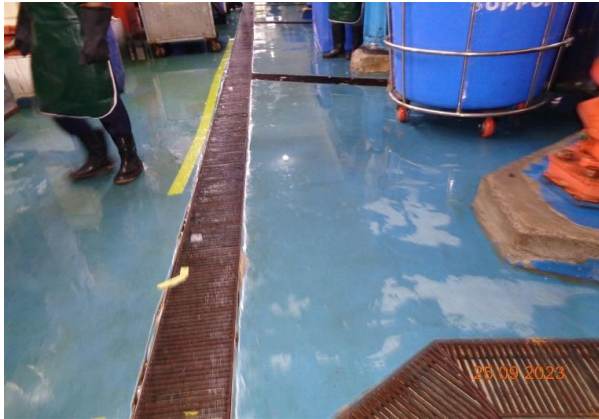
F-7	Fire Rated Construction	The fire pump room are not provided with adequate fire separation. Location: Utility Shed	Provide fire pump room with 2 hr. rated fire separation when not sprinklered and 1 hr. rated fire separation when provided with automatic sprinklers, in accordance with NFPA 20.	Within 3 Month
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F-8	Fire Rated Construction	Unsealed penetrations and openings are located in the exit stair enclosures. Location ground floor at stair-1. Also, electrical cable passing is not permitted in the staircase.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 Month
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F-9	Means of Egress	Aisles are not provide with a minimum unobstructed clear with of 36 in. Location: ground floor	Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	Within 1 Month
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F-10	Means of Egress	Dead end corridor was more than 50 feet on ground floor.	For existing and interim construction, dead end corridors shall not exceed 50 feet in accordance with RSCTechnicalGuidelinesStandardV1.0 Table 6.13.3.	Within 1 Month
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F-11	Mean of Egress	Building did not have stair designation signs at required locations.	Provide stair designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door.	Within 1 Month
F-12	Mean of Egress	Changes in elevation of walking surfaces do not exceed 6.35 mm (1/4 in) unless provided with a beveled slope of 1 in 2 that does not exceed 12.7 mm (1/2 in). Location from stair-2 and stair-3 to the public way.	Resurface the change in elevation to provide a slope that is less than 1 in 48 in.	Within 3 Months



F-13	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 Month
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F-14	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed. Location: several 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
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F-15	Egress lighting(ITM)	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.	Within 3 Months
F-16	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.	Design & Installation of Fire Alarm & Detection system shall be in accordance with RSC standard and NFPA 72. Submit as-built design, documents and calculations to RSC for review prior installation/modification. 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.	Within 3 Months



F-17	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72.	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-18	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 3 Months
 				
F-19	Inspection, testing, and maintenance of the Fire Pump (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 25.	Within 1 Month after installation.

F-20	Fire Protection System(ITM of standpipe)	Inspection, testing, and maintenance for the fire pump and standpipe system is not in accordance with NFPA 14 and 25 or as per RSC standard.	Inspect, test and maintain the fire pump and standpipe system, and keep written records on-site, in accordance with NFPA 14 and 25 or as per RSC standard.	Within 1 Month after installation.
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 RSC standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per RSC standard.	Within 1 Month