

INITIAL FIRE SAFETY INSPECTION REPORT

SHAMS STYLING WEARS LTD (Extension)

RSC ID: 24784

Shams Tower, South Shyampur, Baghbari, Hemayetpur, Savar, Bangladesh

Geographical Coordinates of factory building: 23.79244914714, 90.25679804974

Other Factories: SHAMS STYLING WEARS LTD (ID-10395)



Inspected By: Nainin Nowrose and Muntasir Ahmad Nasif

Date: 11 December 2023

Fire Safety Inspection Report

SHAMS STYLING WEARS LTD (Extension)

Introduction:

SHAMS STYLING WEARS LTD (Extension) Complex was surveyed for fire safety on **11/12/2023** 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): There are two (02) structures in the premises under this ID-24784. They are :

1. Utility Building, 5 storied RCC Building:

Construction: Jan, 2019 to Apr, 2020 & Occupied: Jun 2020

No building approval was found during inspection. Factory has applied for approval to RAJUK on 12 Jun 2019 and not received yet.

Construction Period: Interim.

Total area of the Building: 20117.748 sft.

2. RMS Room, Single storied RCC:

Construction: Jun 2019 to Dec 2019 & Occupied: Jan 2020

Construction Period: Interim.

Total area of the Building: 398.26 sft.

currently this room is empty.

Factory Address: Shams Tower, South Shyampur, Baghbari, Hemayetpur, Savar, Bangladesh

Table-1: Finding & recommendation

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	Elevator shafts are directly open into exit enclosure which is a violation of RSC Technical Guidelines (Standard)-6.14.3.	<p>For interim construction, an exit stairway shall not be built around a lift shaft unless both of them are located in a smoke proof enclosure and made of a material with fire resistance rating required for the type of construction of smoke proof enclosure (As per 6.14.3 of RSC Technical Guidelines (Standard) V1.0). So, separate the stair enclosure from elevator shaft throughout the building.</p> <p>Recommended to follow "SUPPLEMENTARY PAPER ON REMEDIATION GUIDANCE ELEVATOR OR LIFT SHAFT OPENING IN EXIT ENCLOSURES" for remediation.</p>	Within 3 Months



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies due to electrical cables and BBT riser.	<p>Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's guideline. (Type-1 Construction).</p> <p>or,</p> <p>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required. (Type-1 Construction).</p>	Within 3 Months
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F-3	Fire Rated Construction	North Exit stair is discharge the occupants inside the building.	<p>Specify appropriate upgradation based on conditions:</p> <ul style="list-style-type: none"> - Modify stair to discharge directly outside. - Provide 2-hr fire-rated exit passageway leading directly outside. 	Within 3 Months
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F-4	Fire Rated Construction	<p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Utility Building, 4th floor (sample section)</p>	<p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 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. 2. 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. <p style="text-align: center;">or</p> <ol style="list-style-type: none"> 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. 	Within 3 months
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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 Month
<div style="display: flex; justify-content: space-around;">   </div>				
F-6	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	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	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 Technical standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical standard. Keep written records on-site.	Within 1 Month
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F-8	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.	<p>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.</p> <p>After installation/modification, the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation.</p> <p>Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.</p>	Design- within 1 Month Modification if required- within 3 Months
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F-9	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-10	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.	Design- within 1 Month Modification if required- within 3 Months
				

F-11	Fire Protection System (Automatic Sprinkler System)	Sprinkler system has been installed throughout the building instead of fire alarm detectors. Sprinkler System installation requires detailed review to confirm compliance with NFPA 13,14, 2022,24 and RSC standards.	Design & Installation sprinkler system shall be in accordance with RSC standard. Submit as-built drawingstesting records, equipment certification and other relevant documentation to the RSC for review and approval.	Design- within 1 Month Modification if required- within 3 Months
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F-12	Fire Protection System (ITM of Sprinkler)	Inspection, testing, and maintenance for the automatic fire sprinkler system is not in accordance with NFPA 13 and 25 or as per RSC standard.	Inspect, test and maintain the automatic fire sprinkler system , and keep written records on-site, in accordance with NFPA 13 and 25 or as per RSC standard.	Within 1 Month after installation.
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F-13	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-14	Fire Protection System (ITM of Standpipe)	Inspection, testing, and maintenance for the standpipe system is not in accordance with NFPA 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-15	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 onsite, in accordance with NFPA 10 and The RSC Technical Guidelines (Standard).	Within 3 Months