

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Felix Fashions Ltd

RSC ID: 24913

Block: B, Plot: B-4-6, C-6-9, BSCIC I/A, Sagorika Road, Pahartali, Chattogram, Bangladesh.

GPS Coordinates: 22.361125, 91.773644

Other Factories: N/A



Inspected By: Md. Golam Kibria

Date: 15th Januaruy, 2024

Fire Safety Inspection Report

Factory Name: Felix Fashions Ltd

Block: B, Plot: B-4-6, C-6-9, BSCIC I/A, Sagorika Road, Pahartali, Chattogram, Bangladesh.

Introduction:

Felix Fashions Ltd complex was surveyed for fire safety on 15/01/2024 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):

Factory Building name(s): There is only one (01) structure in the factory compound under this RSC ID. The building is as below:

Factory Building: 8 Storied RCC building. Approved from BSCIC on 02 May, 2016, Construction started-Sept/2016 and ended-Sept/2020. Occupied-October/2020. Total Floor area: 7,115 sqm. Per typical floor area 933 sqm., and 7th floor is 584 sqm.

Points of contact:

1. Name: Md. Shahed Iqbal Chy.

Designation: Assistant General Manager (Compliance)

Contact No: +88 01818 517490

Email: iqbal@fourhgroup.com



2. Name: Roqibul Hasan

Designation: Assistant Manager (Compliance)

Contact No: +88 01815 118711

Email: roqibul@fourhgroup.com



Findings & Recommendations :

Table 1 summarize 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 review.

Table-1:

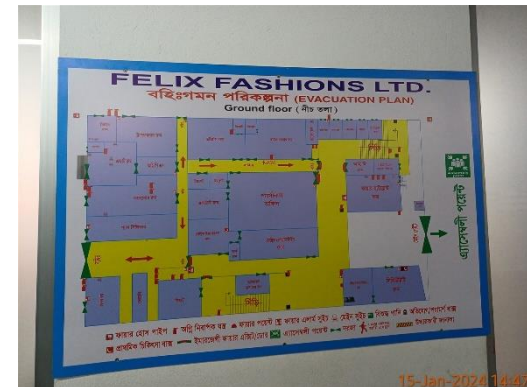
SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction and opening protective. Unsealed penetration is found from utility area to stair inclosure at utility building.	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. Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure.	Within 3 months
				

F-2	Fire Rated Construction	Storage discharges directly into the exit stair discharge at both the stairs on 1st floor. No fire rated vestibules were provided.	Openings from exit enclosure to storage room, generator and transformer spaces shall be provided with a vestibule with fire rated construction and openings.	Within 4 months
				

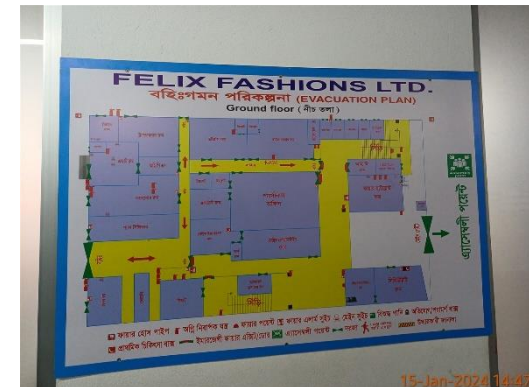
F-3	Fire Rated Construction	Elevator shafts are directly open into the inside of production floor which is not separated by fire rated construction and opening protectives.	Elevator shaft shall be separated from production area by 2 hours fire rated construction and opening protective as per standard.	Within 3 months
 				

F-4	Fire Rated Construction	Floors to floor penetration due to PVC pipe in toiler area, BBT and Cable riser shaft/duct are not properly separated by fire rated construction or fire rated sealant at all floor.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain minimum 3-hr. fire resistance rating. Installation shall be as per manufacturer published installation guideline and the certification authority guideline to ensure the firerating. or, Provide a minimum 2-hr fire rated shaft to separate the penetrations/openings from each floor if required.	Within 6 months
				

F-5	Fire Rated Construction	Both exit stairs discharge inside the building to the ground floor beside non-rated opening from office area, quarantine zone, fabric inspection machine, child care and medical room etc.	Modify the stairs to discharge directly outside. Alternately, separate the office area, quarantine zone, fabric inspection machine, child care and medical room etc. as per standard.	Within 3 months
-----	-------------------------	--	---	-----------------



F-6	Fire Rated Construction	Office area, quarantine zone, fabric inspection machine, child care and medical room etc. are not separated from utility area (Generator, boiler, compressor and transformer etc.) due to non-rated opening and penetrations.	Office area, quarantine zone, fabric inspection machine, child care and medical room etc. shall be separated from utility area (Generator, boiler, compressor and transformer etc.) by fire rated construction and opening protective. Seal all penetrations by a listed fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain required fire resistance rating. Installation shall be as per manufacturer published installation guideline and the certification authority guideline to ensure the firerating.	Within 3 months
-----	-------------------------	---	---	-----------------



F-7	Fire Rated Construction	Liquefied or compressed gas cylinders were located at the utility building.	LPG/CNG cylinders are permitted to be stored in a separate dedicated building on the factory premises within its boundaries if the building meets the following conditions: 1. The storage building must be at least 3 meters away from any other building and boundaries. 2. The exterior walls of the building must have a fire resistance rating of 3 hours using noncombustible construction. 3. Doors and other openings in the exterior walls must be protected with suitable closing devices having a fire protection rating of 3 hours. 4. The building is to be used for no other purpose than the storage of LPG/CNG cylinders. 5. The building must be mechanically ventilated to control the accumulation of flammable vapors. 6. The installations must be approved and accepted by the requirements of the AHJ, Gas supply company regulations, manufacturers/supplier's instructions/guidance, Chief Inspector of Boiler (CIOB) and Chief Inspector of Explosives Bangladesh (CIEB).	Within 3 months
 				

F-8	Egress Lighting	Exit signs with adequate illumination are not provided at few exits during the inspection. Also, directional signs are not provided where direction of the path of travel to an exit has changed.	Lighted exit signs shall be placed at entrance to an exit. Additional directional 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 1 month
-----	-----------------	---	---	----------------



F-9	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
				
F-10	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 3 months

F-11	Fire Alarm & Detection system	Automatic fire alarm and detection system installation complete which requires detailed review to confirm compliance with NFPA 72 and The RSC Technical Guidelines (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, Accord/ 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. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	Design Review within 2 months and installation within 4 months
------	-------------------------------	--	--	--



F-12	ITM of Fire Alarm & Detection system	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and The RSC Technical Guidelines (Standard).	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and The RSC Technical Guidelines (Standard) and keep written records on-site	Within 1 month (after installation)
F-13	Fire Protection System (Standpipe and Sprinkler)	The height of the highest occupiable floor from the road level is 85 feet. So class-I standpipe System and sprinkler system are required for the entire building. Standpipe and sprinkler system installation require detailed review to confirm the compliance with NFPA 13, 14, 20 and RSC Technical Guideline (Standard).	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe & hose system and sprinkler system throughout the building in accordance with RSC Technical Guideline (Standard) and NFPA 13, 14, 20, 22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe and sprinkler system.	Design Review within 2 months and installation within 4 months.



F-14	Fire Protection System (ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20, 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the fire pump in accordance with NFPA 20, 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
F-15	Fire Protection System (ITM of Standpipe & Hose System and Sprinkler System)	Inspection, testing, and maintenance for the Standpipe & Hose System and Sprinkler system is not in accordance with NFPA 13, 14, 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 13, 14, 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
F-16	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

F-17	Means of egress	The occupiable roof of stair-1 was not provided with parapet or guard.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months
				
F-18	Means of egress	Stair designation signs and occupant load signs are found missing on 7th floor.	Provide stair designation sign and occupant load 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-19	Means of egress	Few aisles are not marked properly in packing section.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months
				
F-20	Means of egress	Exit stairs serve more than 5 stories and do not have required re-entry provisions as per standard.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC standard 6.8.3.1.	Within 1 month

