

# INITIAL FIRE SAFETY INSPECTION REPORT

**EXCOM Fashions Ltd. (relocated)**

**Factory ID: 24180**

**Nimertak, Rajfulbaria, Savar, Dhaka**

**23.80339,90.26524**

**Other Factories: None**



**Inspected By: Mahfuza Khanom & Nainin Nowrose**

**Date: 07 Nov 2021**

# Summary Report

## EXCOM Fashions Ltd. (relocated)

### Introduction:

EXCOM Fashions Ltd. (relocated) complex was surveyed for fire safety on 07/11/2021 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.

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.

## Findings & Recommendations :

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire-Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction due to unprotected openings.	Stair shall be enclosed with a minimum 2-hr fire-rated construction for buildings 4 storied or more and minimum 1-hr for upto 3 storied. Seal all unprotected openings and provide minimum 1.5 - hr fire rated doors for 2-hr construction and 1-hr fire rated doors for 1-hr construction 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 vestibules to separate any storage areas. 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

F-2	Fire-Rated Construction	Unsealed penetrations and openings are located in exit stair enclosure.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation as per Accord standard 6.3.1.3.	Within 1 month



F-3	Fire-Rated Construction	The boiler, generator, transformer and compressor are not separated by fire-rated construction.	Separate the generator, compressor and transformer rooms by a minimum 2-hr fire rated construction and boiler room by a minimum 1-hr fire rated construction. Seal and/or protected all openings to maintain the required fire separations. All exhaust systems shall discharge to the exterior of the building in a safe location.	Within 3 months
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F-4	Fire-Rated Construction	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies due to electric riser. <b>Location:</b> All floor, building-1.</p>	<p>Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating.</p> <p>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months



F-5	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction. <b>Location:</b> 1st & 2nd floor in Building-1.	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> <li>- Maximum height of 2.45m (8ft.) and maximum area of 23m<sup>2</sup> (250 ft<sup>2</sup>).</li> <li>- If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m<sup>2</sup> (1,000 ft<sup>2</sup>).</li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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F-6	Fire Rated Construction	Rooms used for combustible storage are not separated from other occupancies by fire-rated construction. <b>Location:</b> Ground floor, building-1.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Seal all penetrations and openings to maintain the fire resistance rating.	Within 3 months
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F-7	Mean of Egress	Exit stair discharge to the interior of the building. <b>Location:</b> South stair (Stair-2), building-1.	Modify stair to discharge directly outside. Or Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-8	Mean of Egress	Parapets or guards are provide in occupiable roof is less than 42 inch. <b>Location:</b> Building-1.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months



F-9	Mean of Egress	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.).	Within 3 months
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F-10	Means of Egress	Building did not have floor and stair designation signs at required exit stair entrances. <b>Location:</b> Building-1.	Provide floor and 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-11	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 3 months



F-12	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-13	Egress Lighting	Exit sign not provided at exit. Location: Office area 2nd floor	Lighted exit signs shall be placed at entrance to an exit. 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 1 month




F-14	Egress Lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from [emergency lighting / exit signage] units to prevent them from being switched off.	Within 1 month
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F-15	Fire Alarm & Detection system (FADS)	The addressable fire alarm and detection system is installed for the building. The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and relevant Standard.	Submit the Fire Alarm and Detection system design to RSC for review and modify the system as per the recommendation. The equipment shall be listed and 3rd party certified. The installation shall be as per NFPA -72.	Design within 2 months, installation /modification within 4 months
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F-16	ITM of Fire Alarm & Detection system (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 NFPA 72.	Within 1 month after installation
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F-17	Fire-Protection System (Standpipe System)	Water supply & standpipe system installation requires detailed review to confirm compliance with NFPA 14, 22, 25 and relevant standards. Installed fire pump system does not comply with NFPA 20 and relevant standards.	Submit drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. Installation and/or modification shall have to done as per the reviewed design and standards.	Design within 2 months, installation /modification within 7 months
				
F-18	ITM of Fire Pump System	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 25.	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-19	ITM of Standpipe System	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 1 month after installation