

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Snowtex Sportswear Ltd.

Factory ID: 24142

Address: B-65/4, Lakuriapara, Dhulivita, Dhamrai, Dhaka-1350.

Google Coordinate: 23.910371, 90.206833

Other Factories: N/A



Inspected By: Nirmal Chandra Sinha and Md. Foysal Ahmed

Date: 03 March 2021

Fire Safety Inspection Report

Factory Name: Snowtex Sportswear Ltd.

Introduction:

Snowtex Sportswear Ltd. complex was surveyed for fire safety on **03/03/2021** 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.

Table-1 Findings & Recommendations:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction. During inspection it was observed that the factory has installed fire doors at exit.	Submit installed fire rated door documents to the RSC for review. Provide minimum 1.5-hr fire rated doors for buildings that are 4 or more stories. Seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation as per Accord standard 6.3.1.3. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1.	Within 3 months

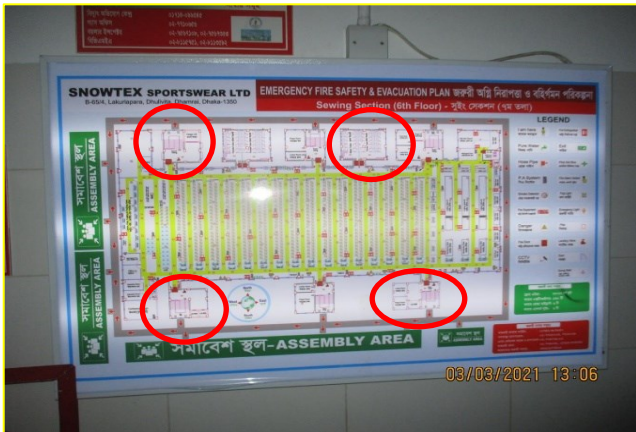


2	Fire Rated Construction	Storage rooms (Ground and 1st floor) and accessories store room used for combustible storage are not separated by fire rated construction from production area on several floors.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction. Store rooms directly discharge in exit stair enclosure shall be separated in accordance with the Accord standard 6.14.3.	Within 3 months
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3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction on several floors.	Provide defined storage areas and limit the storage arrangement as follows: 1. General Condition: Maximum height of 2.4m and maximum area of 23m² (250 sq.ft). 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m² (1000 sq.ft). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10 ft).	With 3 months
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4	Egress	Elevator shafts provided in North-East, North-West, South-East & South-West exit stair enclosure.	Modify the elevator and stair enclosure arrangement in a way to satisfy Accord standard 6.14.3. Elevator shall not open into an exit enclosure.	Within 4 months

				
5	Egress	South-West exit stairs discharge on ground floor of the building.	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



6	Egress	The day-care room does not meet ACCORD standard 3.4.2.1.1. Located at 1st floor.	Day-care shall be located on the ground floor with a maximum travel distance of 9 m (30 ft) or located one story above level of exit discharge with direct access to an exit enclosure. If the above is not possible provide a minimum 2-hr fire- rated exit corridor between the day-care room and exit stair with ACCORD approval.	Within 1 month
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7	Egress	Exit capacity (1020) is not adequate for the occupant load (500) on the 1st floor in dining area.	Reduce occupant load immediately to not more than available exit capacity (500) on the 1st floor in dining area.	Immediately
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8	Egress	Egress gates with locking features are provided at building exits on ground floor. All doors were not open and unlocked during the inspection.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately
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9	Egress	Storage was located in the egress path exit stair enclosure and aisles on several floors.	Remove all storage from exit stairs and egress paths.	Immediately



10	Egress	During follow up inspection hanger height was found on egress aisles is less than 2.03 m (6 ft 8 in) on 4th & 5th floors packing area.	All means of egress shall have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6 ft 8 in.)	Within 1 month
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11	Fire Detection & Alarm System	An addressable fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and Accord standard for all buildings in the factory premises.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design submission (Within 2 months), Modification within 4 months (if required)
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12	Inspection, Testing, and Maintenance of the Fire Detection & Alarm System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 1 months (after complete installation of listed fire alarm system)
13	Fire Protection	The high-rise building has an occupied floor greater than 23m (75 ft.).	Provide automatic sprinkler protection installation throughout the building in accordance with NFPA 13.	Design within 6 months and installation within 12 months

14	Inspection, testing, and maintenance of the standpipe system	Inspection, testing, and maintenance of the pump is not in accordance with NFPA 20 or as per Accord standard.	Inspect, test and maintain the pump, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 1 months (after complete installation of listed fire pump set)
15	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
				

16	Emergency 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
				
17	Inspection, testing, and maintenance of Fire Extinguisher	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.	Within 3 months

18	Inspection, testing, and maintenance of Emergency light and Exit Sign	Inspection, testing and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with the standard. Keep written records on-site.	Within 3 months
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