

FIRE SAFETY INSPECTION REPORT

Scandex (Bd) Ltd.

Factory ID: 24188

B-Bangla, Gouripur, Ashuliya, Savar, Dhaka

23.890418, 90.317066

Other Factories: None



Inspected by: Md. Rakibul Alam & Md. Sadid Rahman

Date: 06 January 2021



Fire Safety Inspection Report

Scandex (Bd) Ltd.

Summary

Scandex (Bd) Ltd. complex was surveyed for fire safety on 06 January 2021 by The RSC Inspection Team.

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 And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings. Fire Rated Doors are found installed but kept open with external equipment. (Fire door installation is going on)	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. 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 Egress Egress gates on the the Ground Floor with locking features are provided at both exit.

Remove locking features from all egress gates.

Immediately

If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2.



F-3	Fire Rated Construction	Areas on the 1st floor used for combustible storage open to the factory are not properly defined and/or not within limits.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45m (8 ft) and maximum area of 23 m² (250 ft²). If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²). Separate the areas of unenclosed combustible storage by a minimum clear distance of 3 m (10 ft).	Within 3 months
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F-4	Fire Rated Construction	Storage room at ground floor discharges directly into the exit stair discharge.	Openings from exit enclosure to storage room, generator and transformer spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the Store room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
F-5	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures. Utility Building.	Seal all penetrations and openings in exit stair enclosure walls to maintain the required fire separation.	Within 3 months



F-6	Fire Protection	The fire alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed automatic fire alarm system in accordance with NFPA 72 and ACCORD standards.	Design within 3 months Install within 6 months
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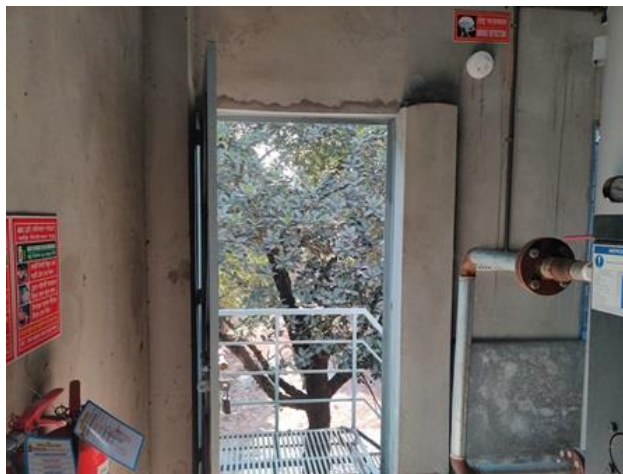
F-7	Fire Protection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72 and ACCORD standards.	Design Within 3 months Install Within 6 Months
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F-8	Fire Protection	Inspection, testing and maintenance of the automatic fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the automatic fire alarm system and keep written records on-site, in accordance with NFPA 72.	Within 10 months
F-9	Fire Protection	The building has an occupied floor greater than 10m (33 ft) and is not provided with standpipe system	Provide standpipe system protection throughout the building in accordance with NFPA 14 and ACCORD standards.	Design within 3 months Install within 6 months
F-10	Fire Protection	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 10 months
F-11	Fire Protection	Fire pump is not provided and appears to be needed for the standpipe system fire demand.	Provide a fire pump in accordance with NFPA 20 and ACCORD standards, or provide an alternative water supply source capable of meeting the required fire protection demand, subject to RSC approval.	Design within 3 Months Install within 6 Months



F-12	Fire Protection	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 20.	Within 10 months
F-13	Egress	Occupiable roof is not provided with an adequate parapet / guard rail. (Measured 36 in.).	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months
F-14	Egress Lighting	Exit signage was not provided at all the exits / along the path of egress / in a readily visible location.	Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious.	Within 1 month



F-15	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
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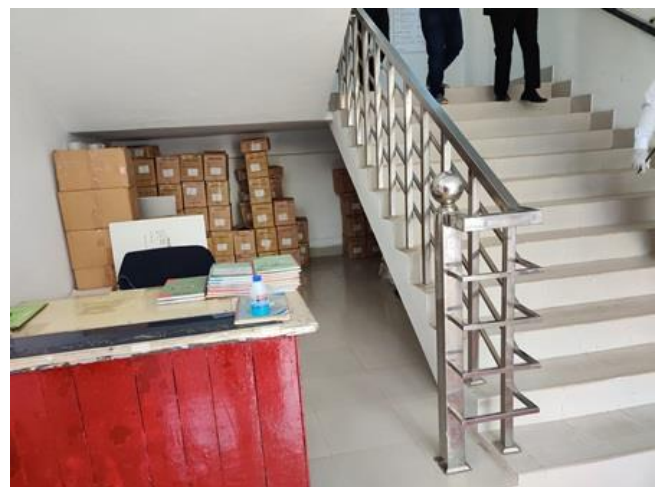


F-16	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in the accordance with ACCORD standards. Keep written records on-site.	Within 3 months
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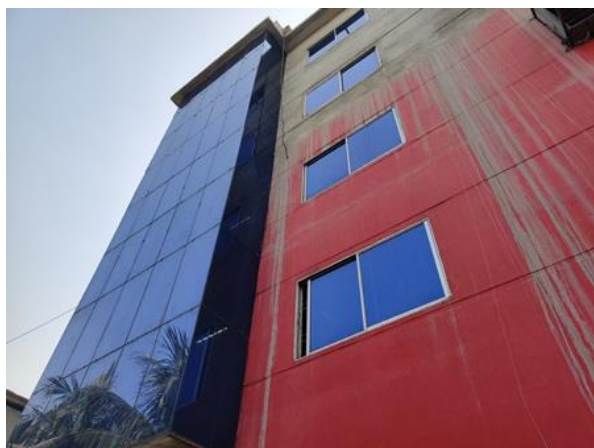
F-17	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. (Ground floor)	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months
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F-18	Egress	Building did not have stair designation sign, occupant load sign & floor level signs at required locations.	Provide occupant load sign, stair & floor designation signs at required locations.	Within 1 month
F-19	Egress	Storage was located in the all exit stairs. (Both stairs, all floors)	Remove all storage from exit stairs. Stairs, exits and aisles shall be kept free from storage.	Immediately



F-20	Fire Protection	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 on-site, in accordance with NFPA 10.	Within 1 month
F-21	Fire Rated Construction	Exterior exit stair is not properly separated from the building.	Exterior exit stairs shall be separated from the building with a rating requirement of 2 hr fire rating for 4 or more stories. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.	Within 3 months



F-22	Egress	No stair landing was provided at west stair from roof.	Provide stair landing as per Accord standard 6.8.5 and 6.9.2.2.	Within 3 months
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F-23	Fire Rated Construction	Liquefied or compressed gas cylinders are used within the factory.	The storage or use of liquefied or compressed flammable gas cylinders shall be prohibited within the factory.	Immediately
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