

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Sterling Creations Ltd. (Extension)

Factory ID: 24091

ADDRESS: Baron, Earpur Union, Ashulia, Savar.

GPS Coordinates: 23.938067, 90.298749

Other Factories: None



Inspected By: Md. Atick Al Zaman & Mahfuza Khanom

Date: 28 December 2020

Summary Report

Factory Name: Sterling Creations Ltd. (Extension)

Summary:

Sterling Creations Ltd. (Extension) was surveyed for fire safety on 28 December, 2020 by The RSC Inspection Team. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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 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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stairs are not separated from other occupancy on each floor by fire rated construction.	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. 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	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors. Location: 7th Floor	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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3	Fire Rated Construction	Electrical Panel box was located in the exit stair discharge path on ground floor.	Remove or relocate all electrical panel box from exit stairs discharge path.	Within 3 months
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4	Fire Protection	The high-rise building has an occupied floor greater than 23 meter (75 feet) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.	Provide an automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
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5	Fire Alarm System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Design within 2 months, install within 4 months
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6	Means of Egress	Egress doors/gates with locking features not complying with NFPA101 are provided at [<i>building exits, exit stairs, along egress routes, exit discharge</i>]	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Immediate
				
7	Emergency 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

8	No smoking sign	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 month
9	Inspection, testing, and maintenance	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The accord standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The accord standard. Keep written records on-site.	Within 3 months
10	Inspection, testing, and maintenance	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 and accord standards.	Within 3 months
11	Inspection, testing, and maintenance	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and accord standards.	Within 3 Months

12	Emergency Egress Lighting	Exit sign and directional signs are not provided on ground floor where direction of the path of travel to an exit has changed.	Provide the illuminated exit sign and directional signs.	Within 1 month