

# INITIAL FIRE SAFETY INSPECTION REPORT

## Logos Apparels Ltd. (Building #4)

RSC ID: 23986

Telirchala, Mouchak, Kaliakoir, Gazipur-1751.

Google Coordinates: 24.016267, 90.305529

Other Factories: LOGOS APPARELS LTD & LOGOS APPARELS LTD (NEW BUILDINGS)



Inspected By: Mahfuza Khanom & Md. Kamrul Hasan

Date: 25 November 2020

## Summary Report

Factory Name: Logos Apparels Ltd. (Building #4)

### Summary:

Logos Apparels Ltd. (Building #4) complex was surveyed for fire safety on 25/11/2020 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.

## 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	Areas used for combustible storage are not separated by fire-rated construction.	<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 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months



2	Fire Rated Construction	Exit stairs are not separated from work areas and other spaces on each floor by fire rated construction due to unprotected openings and penetrations.	<p>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. The clearance under the bottom of a fire door shall be a maximum of 3/4 in. (19 mm). 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. 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. 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.</p>	Within 3 months
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3	Fire Rated Construction	Unsealed elevator shafts are located inside the working place at all floors of building. Installation of fire door is going on.	Provide a minimum 2-hr fire-rated elevator shaft to separate from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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4	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	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. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
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5	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
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6	Egress Lighting	Exit sign not provided at exit.	<p>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.</p> <p>Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p>	Within 1 month
7	Egress	<p>The exits are not remotely located from each other such that a single fire event could compromise both exits.</p> <p>Location: 1st floor</p>	<p>Modify exit arrangement or Provide additional exit.</p>	Within 6 months
8	Egress	<p>Common path of egress travel exceeds 30 m.</p> <p>Location: 1st floor</p>	<p>Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m.</p>	Within 3 months

9	Egress	Width of new exit stair (Stair-3) is less than 1.5m (60in.).	Provide minimum clear and unobstructed exit stair width of 1.5 m (60 in.) in accordance with Accord standard 6.5.6.2.1.	Within 1 month
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10	Fire Alarm & Detection system	Installation of fire alarm system is going on. Fire detection system installation requires detailed review to confirm compliance with NFPA 72.	Complete the fire alarm installation as per NFPA 72. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 6 months
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11	Fire Alarm & Detection system (ITM)	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 7 months
12	Fire Protection	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade is not protected with an approved standpipe system. Standpipe system installation requires detailed review to confirm compliance with NFPA 14.	Provide standpipe system throughout the building in accordance with NFPA 14. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 6 months





13	Fire Protection (ITM)	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 7 months
14	Egress	Building did not have occupant load sign and stair designation sign at required locations.	Provide occupant load sign, stair & floor designation signs at required locations.	Within 1 month

15	Egress	Fire evacuation maps is not posted at the entrance of all exit stair.	Fire evacuation maps shall be posted at the entrance to each exits and exit stairs.	Within 1 month
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16	Egress	Handrails are not provided in the exit stair-3.	Provide handrails on both side of exit stair having a minimum height 34 in. as measured from the leading edge of the tread.	Within 1 month
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17	Egress	Guards are not provided in several locations and found less than 42 in.	Guards shall be provided at all open sides of means of egress that exceed 760 mm (30 in.) above the floor or finished ground below. New guards shall have a minimum height of 1067 mm (42 in.).	Within 1 month
				

18	Egress	Storage was located in exit stair ( Exit stair enclosure 1).	Remove storage from the exit stairs and egress path	Immediate
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