

INITIAL FIRE SAFETY INSPECTION REPORT

L Usine Fashion Ltd. (Extension)

RSC ID: 24851

ADDRESS: KAWYA, CHONNAPARA, SREEPUR, Gazipur-1740, Gazipur.

Geographical Coordinates: 24°12'02.4"N 90°25'47.8"E

Other Factories: L Usine Fashion Ltd. (ID: 12438)



Inspected By: A N Faisal Ahmed

Date: 18 January, 2024

Fire Safety Inspection Report

Factory Name: L Usine Fashion Ltd. (Extension)

Introduction:

L Usine Fashion Ltd. (Extension) complex was surveyed for fire safety on **18 January, 2024** 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 the identification of minor deficiencies, which will be further addressed as part of follow-up inspections.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The RSC cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

General Factory Information

Factory Building name(s):

Steel Building - 2 storied constructed by Steel. "New Building"

Construction period: Oct' 2021 to Feb'2023 (Occupied: Mar'2023).

Building height: 37 ft 2 inch (11.32 m) -As per BNBC 2020

Factory Address: KAWYA, CHONNAPARA, SREEPUR, Gazipur-1740, Gazipur.



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
F-1	Fire Rated Construction	The egress court for North Exit (Stair-03) were not properly fire rated. The egress court was only 54 inch wide where unprotected openings within 10 ft height were available.	Ensure that the passageway is fire rated by 2-hour including protection of unprotected opening by minimum 1.5 hour. An egress court serving as a portion of the exit discharge shall be open to the sky or provided with a fire resistance rated enclosure the same as the exit enclosure. Egress courts less than 3050 mm (10 ft) in width (as measured from the building and the adjacent property line) shall be provided with walls having a 1-hr fire resistance rated construction for a distance of 3050 mm (10 ft) above the floor & adjacent of the court	Within 3 months



F-2	Fire rated Construction	The building is a new building which height is more than 11m. Main structural element of the building is constructed by steel which is non-rated and were found in exposed condition without any fire protection.	The building is a new steel structure which shall meet fire rating requirement imposed on BNBC-2020. Provide require fire rating in the structural elements of the building as per BNBC 2020 Part 3 Table 3.1.7 & RSC Technical Guidelines 3.5.4. Consult with a qualified fire protection engineer. Submit the proposed drawing/design to RSC for review. Once reviewed, install passive fire protection as per reviewed design.	Within 6 months
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F-3	Fire rated Construction	Unsealed penetrations are located in the fire-rated floor/ceiling assemblies due to sanitary pipe including storage area.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's guideline. or, 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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F-4	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction due to non-functioning door accessories & unprotected openings.	Provide minimum 2-hr fire rated construction for buildings 4 storied or more and 1-hr for up to 3 storied. Seal all unprotected openings to separate the exit stairs from work areas and other spaces on all floor levels by 90 minutes for 2 hr. construction and 60 minutes for 1-hr construction. Ensure that the fire rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire rated 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.	Within 3 months
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F-5	Fire Rated Construction	Storage room discharges directly into exit stair enclosure without vestibules. Location: Ground floor	Openings from the exit enclosure to the storage room, 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 side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure. The minimum width for vestibules shall not be less than 1.1m and length 1.8m.	Within 3 months
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F-6	Means of Egress	Uneven walking surface were found from exit discharge of North exit (Stair-03) and is not protected from slip or tripling hazard	Remove the obstructions and Provide an even level walking surface in exit discharge in accordance with 6.3.4 of RSC Technical Guidelines (Standard_V1.0).	Within 3 months
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F-7	Means of Egress	Aisles mark were found missing on several locations at 1st Floor.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 3 months
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F-8	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 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 1 Month
				
F-9	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 1 Month

F-10	Fire Protection System (ITM)	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 1 Month
F-11	Fire Detection & Alarm System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Once reviewed, install or modify the fire detection and alarm system (where required) throughout the building in accordance with RSC standard and NFPA 72. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design-1 Month Modification if required-3 Months
F-12	Fire Detection & Alarm System (ITM of FADS)	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	Within 1 Month after installation.

F-13	Human Element Program	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
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