

INITIAL FIRE SAFETY INSPECTION REPORT

DK Global Fashion Wear Ltd.

RSC ID: 24677

330/1, West Shoilodubi, Kashimpur, Gazipur, Bangladesh

23.96582323916987, 90.30588090118935

Other Factories: None



Inspected By: Md. Rakibul Alam & Md. Jahidul Kabir

Date: 17 July 2023

Fire Safety Inspection Summary Report

DK Global Fashion Wear Ltd.

Summary:

DK Global Fashion Wear Ltd. was surveyed for fire safety on 17/07/2023 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 review.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Proper certification was not available for fire rated doors installed in the factory.	Submit proper certifications for installed fire doors during inspection for approval. If not available or certification is not approved, install new, properly certified fire rated doors in accordance with RSC Technical Guideline.	Within 3 Months
F-2	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors. Location: Ground Floor	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.Seal all penetrations and openings to maintain the fire separation	Within 3 Months



F-3	Fire Rated Construction	Storage rooms at ground floor discharges directly into the exit stair discharge.	Openings from exit enclosure to storage room, generator and hazard spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1 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
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F-4	Fire Rated Construction	Electrical Cable tray has been found in the exit stair. Location: North Exit stair 1st floor.	Remove the Electrical Cable tray from the exit stair enclosure.	Within 3 Months
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F-5	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Ground floor Cutting & Finishing section.	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. Areas shall limit within 10% of the entire floor area.	Within 3 Months
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F-6	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Followings are the description of openings or penetrations indicating specific locations: 1. Passing of BBT/Cable tray through rated walls from Utility building to the production production building. 2. Ground floor to 1st floor opening for Toilet Pipes.	Penetrations of fire resistiverated assemblies shall be protected with listed through penetration fire stop systemtested in accordance with ASTM E 814 in accordance with RSC technical guideline 4.7	Within 3 Months
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F-7	Fire Rated Construction	The main structural element of the building is constructed by steel element which is non-rated and were found in exposed condition without any fire protection..	Provide fire rating in the structural element (Slab & Beam: 0.5 Hr; Column: 1 Hr) of the building. No fire protection is required where unprotected slab & beam assembly demonstrates a 0.5-hour fire rating. Consult a qualified fire protection engineer to design the rated construction barriers in structural members.	Within 3 Months
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F-8	Means of 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 exit stair.	Within 1 Months
F-9	Means of Egress	Building did not have stair designation signs at required locations.	Provide stair designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door.	Within 1 Month

F-10	Means of Egress	Sliding Gates/doors have provided along means of egress	Replace all sliding type doors & gates by the side-hinged swinging type doors in accordance with RSC Standard 6.8.1 If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 Months
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F-11	Means of Egress	Doors along means of egress are provided with non compliant locking system.	1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Within 1 Months
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F-12	Means of Egress	Adequate & unobstructed aisles were not provided. Location: Ground floor	Provide minimum and clear aisle width of 36-in where applicable and required.	Within 1 Month
				

F-13	Means of Egress	Fire drill are not performed as required.	Fire drill shall be conducted on a Monthly basis as outlined in BNBC 2020 Part 4 Appendix A	Within 1 Month
F-14	Means of Egress	Parapets or guards are not provided in occupied roof. OR Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.). Location: Roof top of Canteen building.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 1 Month



F-15	ITM of Emergency light and Exit Sign	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical standard. Keep written records on-site.	Within 1 Month
F-16	Egress Lighting	Manual On/Off Switch is provided at emergency lighting.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 Month



F-17	Fire Alarm and Detection System (FADS)	Fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standards).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval; modification (if required) shall have to done as per the reviewed design and standard.	Design Review within 2 months and installation within 4 months.
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F-18	Inspection, Testing and Maintenance 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 7 Months
F-19	ITM of Fire Extinguishers	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 and The RSC Technical Guidelines (Standard).	Within 3 Months

F-20	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
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