

INITIAL FIRE SAFETY INSPECTION REPORT

Designer Washing & Dyeing Limited

RSC ID: 24886

ADDRESS: Gohailbari, Shimulia, Ashulia, Saver, Dhaka.

Geographical Coordinates: 23°58'48.4"N 90°13'29.5"E

Other Factories: 1. Designer Fashion Ltd (RSC ID: 12782)

2. Designer Fashion Ltd. (Warehouse) (RSC ID:24464)



Inspected By: Ahammad Kabir & A N Faisal Ahmed

Date: 19 November, 2023

Fire Safety Inspection Report

Factory Name: Designer Washing & Dyeing Limited

Introduction:

Designer Washing & Dyeing Limited complex was surveyed for fire safety on **19 November, 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 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):

Building 1: Washing Building (2 story RCC building with a mezzanine)

Construction period: April'2016-Mar'2018 (Occupied: Nov, 2018)

Factory Address: Gohailbari, Shimulia, Ashulia, Saver, 1345

Points of contact:

Name: Md. Ziaul Alam

Designation: Sr. Manager (Compliance)

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Name: Mir Mohammad Ashrafuzzaman

Designation: AGM (Maintenance)

Contact No: +8801712134500

Email: maint@designerfashion.com.bd

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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
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F-1	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. 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.	Within 3 months
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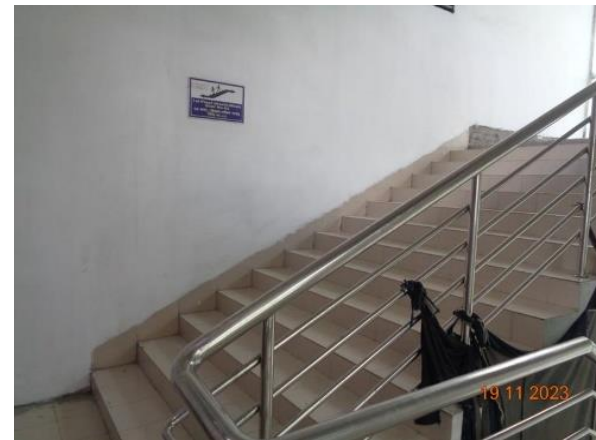
F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level or seal all penetrations and openings in floors/ceiling assemblies by 3-hr fire rated listed/certified materials. The installation of such fire rated materials shall be following certified design.	Within 3 months
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F-3	Fire Rated Construction	Chemical storage room is not properly separated by fire-rated construction from surrounding occupancy. Location: Ground floor.	Separate the chemical storage room by 4-hr fire rated construction. Seal all penetrations and protect the openings to maintain the required fire separations for 4-hrs. Opening is not permitted for 4-hrs fire rated separation. Keep 16-points SDS of all chemicals in the storage area. Note: Construction type shall be Type-1 and separation shall be as per Table 3.2.1 of BNBC-2006.	Within 3 months
				
F-4	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancies. Location: 1st floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months



F-5	Fire Rated Construction	The industrial steam/gas dryers are not separated by fire-rated construction and open to the factory floor. Location: Ground floor.	Separate the industrial dryer area by a minimum 2-hr fire rated construction. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult with a qualified engineer.	Within 3 months
F-6	Means of egress	Handrails are not provided on both sides of exit stair.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in).	Within 3 months



F-7	Means of egress	Building did not have stair designation signs and occupant load signs at required locations on all floor.	Provide stair designation signs and occupant load signs at required locations.	Within 1 month
F-8	Means of egress	The width of the exit stair is less than 1.5 m (60 in). Stair: 3 & 4.	In new and interim construction and constructed stairs post 24 November 2013, stairs shall have a minimum width of 1.5 m (60 in.) for all industrial occupancies and 2.0 m(79 in.) for all assembly occupancies. For assembly use areas provided for prayer halls, dining halls and like areas that are for integral use by the factory workers, the minimum width for the primary occupancy use of the building shall be permitted to be used.	Within 3 months



F-9	Means of egress	Exit sign not provided at exit.	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. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
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F-10	Fire Alarm & Detection System (FADS)	Fire alarm and detection system installation is underway which requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Submit the fire alarm system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the building in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 72. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design Review within 2 months and installation within 4 months.
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F-11	Fire Alarm & Detection System (FADS)	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 1 month after installation.
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