

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Mondol Knitwears Limited (Shed)

RSC ID: 24649

ADDRESS: Roshid Tower, Tongabari, Ashulia, Savar, Dhaka

Other Factories: Mondol Fashions Ltd. -(RSC ID: 10752)



Inspected By: Mohammad Anayet Hossain

Date: 27-September-2023

Fire Safety Inspection Report

Factory Name: Mondol Knitwears Limited (Shed)

Introduction:

RSC ID: 24649

Mondol Knitwears Limited (Shed) complex was surveyed for fire safety on 27 September 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.

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

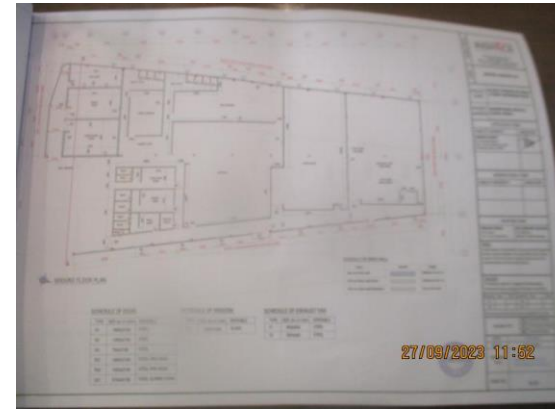
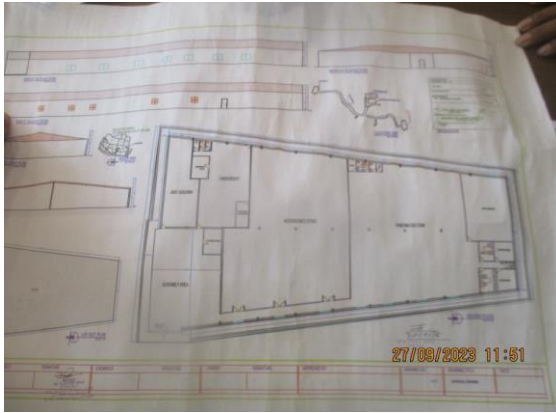
Factory Building name(s):

1. Steel-Shed.

Factory Address: Roshid Tower,Tongabari,Ashulia,Savar,Dhaka

General Building Information- Building-C

Number of Stories Below / Above Grade	0/1
Highest Occupied Floor Level / Height	Single Storied Shed, Peak height- 19.35 ft
High Rise (RSC Technical Guidelines (Standard) V1-3.2.1)	No
Occupiable Roof (RSC Technical Guidelines (Standard) V1-3.2.2)	No
Occupiable Roof Provided with Adequate Parapets / Guards (RSC Technical Guidelines (Standard) V1-6.12.2.4)	N/A
Occupancy Classifications	H2-Stroage, E- Assembly, K- Miscellaneous.
Floor Plans Available	Yes



Date Of Construction	October, 2018 to July 2019
Construction Period	Interim
Major Renovations / Additions	None
Comments	Single storied pre-engineered steel building, approved by Union Porisod on 20 October 2018, Total Floor area approx. 16415 sft.
Other Tenants In Building	No
Floors Occupied By Factory	All

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	Rooms used for combustible storage located at ground floor are not properly fire separated by a minimum 1-hr fire-rated construction from surrounding occupancies.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction	Within 3 Months
				

F-2	Fire Rated Construction	Proper certification was not provided 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 guideline.	Within 1 Month
F-3	Fire-Rated Construction	Exit Access Corridors located at ground floor (East side) is not Provided with Proper Fire Protection / Separation. (RSC Technical Guidelines (Standard) V1-6.3.1.1)	Exit access corridors serving an occupant load exceeding 30 shall be separated by walls having a fire resistance rating of 1 hr unless provided with automatic sprinkler protection throughout the story or building. (RSC Technical Guidelines (Standard) V1-6.3.1.1)	Within 3 Months
				

F-4	Fire Rated Construction	The main structural element of the Steel-Shed (Interim construction) is constructed by steel which is non-rated and were found in exposed condition without any fire protection.	The building shall be type-I or II construction. So, provide required rating in the structural elements of the building. Consult with a qualified fire protection engineer. Follow BNBC 2006-Table 3.3.1, 3.2.4 & 3.1.9.	Within 6 months
 				
F-5	Fire Rated Construction	Dining room and Prayer room are located at ground floor is not properly fire separated from other occupancy by fire rated construction.	Separate the dining & prayer room from production & other occupancies by minimum 3-hr fire rated construction. Provide rated exit passageways leading directly to the outside of the building (open to the sky) with the same resistance rating.	Within 3 Months



F-6	Fire Rated Construction	The egress court serving all the exits are discharge inside the occupants (Car parking & buildings openings/penetrations) are not properly fire separated.	An egress court serving as a portion of the exit discharge shall be open to the sky, or, Provide 1-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). -OR, Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 3 Months
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F-7	Fire Rated Construction	The day-care room and medical room are not properly fire separated from surrounding occupancies on ground floor.	Day-care shall be located on the ground floor with a protected maximum travel distance of 9 m (30 ft). Provide a minimum 2-hr fire rated exit corridor between the day-care room and exit discharge with RSC approval.	Within 1 Month
F-8	Fire Rated Construction	The boiler and air compressor rooms are located at ground floor at steel-shed is not separated from surrounding occupancies by fire rated construction (openings, penetrations).	Separate the boiler room by a minimum 1-hr fire rated construction (for low rise building). Seal and/or protected all openings to maintain fire separations. Separate the air compressor room by a minimum 2-hr fire rated construction. Seal and/or protected all fire separations.	Within 3 Months

				
F-9	Fire Alarm & Detection System (FADS)	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard. Location: Steel-Shed.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Design Review within 2 months and installation within 4 months.



F-10	Inspection Testing and Maintenance of Fire Alarm and 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. (After Installation)	Within 1 month after installation.
F-11	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 1 Month

F-12	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month
F-13	Inspection Testing and Maintenance of Emergency lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with RSC technical guidelines (standard).	Inspect, test and maintain the emergency lighting system in accordance with RSC technical guidelines (standard). Keep written records on-site.	Within 1 month
F-14	Inspection Testing and Maintenance of Portable Fire Extinguisher.	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