

INITIAL FIRE SAFETY INSPECTION REPORT

AB Mart Fashion Wear Ltd. (Extension)

RSC ID: 26157

Plot No 786, Kakil Sataish Borodawra, 13/3, Purbopara Mudafa, Tongi, Gazipur

Geographical Coordinates : 23.905977852262065, 90.37665923131274

Other Factories:

1. AB Mart Fashion Wear Ltd. (RSC ID: 23346)



Inspected By: Md. Kawsar Rubaiat

Date: 16-Jul-2025

Fire Safety Inspection Report

AB Mart Fashion Wear Ltd. (Extension)

Introduction:

AB Mart Fashion Wear Ltd. (Extension) complex was surveyed for fire safety on **16-Jul-2025** 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

SI No	Building Name & Description	Construction History	Period
1	Building-C: Production Building (Extension) 6-storied RCC Building (G+5), with Partial Basement Total Approx Area: 14, 500 Sq. ft	Construction Start: Jan 2023 Construction End: Jul 2024 Date of first Operation: Nov 2024 Building Approval: On 19-Dec-2019 from Gazipur City Corporation	New Construction in alignment with Structure Department as fresh permit shall be necessary

Factory Address: Plot No 786, Kakil Sataish Borodawra, 13/3, Purbopara Mudafa, Tongi, 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: Building-C

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Mean of Egress	The occupiable roof was not provided with an adequate parapet/guard rail (available 40 inches).	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 1 month
		 		
F-2	Mean of Egress	The building did not have stair designation signs at the required locations. Location: All floors.	Provide stair designation sign at 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 in accordance with RSC Technical Guidelines (Standard), Section 6.9.3.	Within 1 month

F-3	Mean of Egress	Exit stairs serve more than 5 stories and do not have required re-entry provisions on all floors.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (Standard) ¹ V1.0. Section 6.8.3.1.	Within 1 month
F-4	Means of Egress	Building does not have occupant load signs at required locations on all floors. Location: All floors.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.4.4 .	Within 1 month
F-5	Means of Egress	Fire evacuation maps are not updated as per site condition. Location: All floors.	Update the fire evacuation map and shall be posted at the entrance to each exit stair in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 13.3.	Within 1 month

F-6	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction because the fire doors at the exit stair enclosures are not interfaced with any fire alarm & detection system. Locations: All floors.	The exit stair enclosure shall be provided with a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 1.5 hr. fire-rated door and seal all penetrations and openings by 2 hr. fire rated fire-rated barrier construction for buildings with 4 or more stories in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0. 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. Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification. The clearance under the bottom of a door shall be a maximum of 3/4 in. (19 mm).	Within 3 months
				

F-7	Means of Egress	Storage areas discharge directly into the exit stair enclosure. Location(s): 1st, 2nd, 4th & 5th floors.	Openings from the exit enclosure to Storage areas shall be provided with a vestibule with fire-rated construction and openings in accordance with section 6.14.3 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a min 1-hr fire-rated door on the exit stair side and a 1.5-hr fire-rated door on the Store side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure as per RSC Technical Guidelines (Standard)¹ V1.0. section 6.14.3. The minimum width for vestibules shall not be less than 1.1m and length 1.8m.	Within 3 months
				

F-8	Means of Egress	Aisles were found missing in several locations throughout the building. Location(s): 1st floor, 4th floor, 5th floor.	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 month
 				
F-9	Means of Egress	Width of aisles is less than 0.9m (36-in.). Location: 3rd floor.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.) in accordance with section 6.5.1 of RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 month
				

F-10	Means of Egress	A single means of exit has been provided in the 6-storied building. Location: Building-C.	The number of means of egress from any floor, story, or portion thereof shall not be less than 2 except where a single exit is permitted by RSC Technical Guideline (Standard), section 6.6.2. Provide additional exit and ensure that the exit doors or means of egress openings are located a distance apart as per RSC Technical Guideline (Standard) section 6.6.6	Within 3 months
				

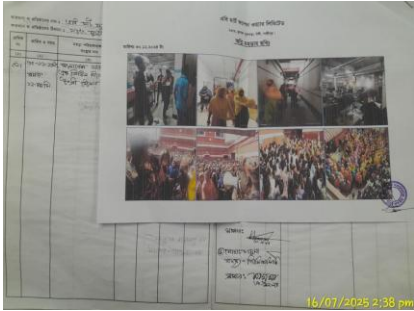
F-11	Means of Egress	Minimum ceiling height of the production floors is less than 3.3 meters for New Building. Location(s): Ground floor, 3rd floor.	The ceiling height of a production floor shall not be less than 3.3 meter as per article 1.2, chapter 1, part III and article 2.11, Part III, Chapter -2, BNBC 2020.	Within 3 months
				

F-12	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): All floors.	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-13	Means of Egress	Directional signs are not provided where the direction of the path of travel to an exit has changed. Location(s): All floors.	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-14	Means of Egress	Exit signs are not provided at the exits. Location(s): All floors.	Lighted exit signs shall be placed at entrance to an exit. Additional directional 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 at all times. Exit Sign shall provide in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.	Within 1 month
				

F-15	Fire Rated Construction	The main structural element of the prayer room on the rooftop (Building height up to prayer room shed: approx 72 feet) is constructed of steel, which is non-rated and was found in exposed condition without any fire protection.	The construction type shall confirm to be in accordance with BNBC 2020 Part-3, Table 3.1.7. Ensure fire resistive rated construction following Table 3.3.1 (a) Part 3 Section-3, Table 3.2.2 and Table 3.2.3 Part 3 Section 2 and Table 4.1.1 from BNBC 2020 Part 4 Section 1. Provide design philosophy to determine the construction type as per BNBC 2020. If any construction rating requires, Consult a qualified fire protection engineer to achieve the required fire rating. Submit the design philosophy along with the required documents to RSC for review the required construction type. Once the design philosophy is reviewed, provide fire ratings of structural members.	Within 6 months
		 		

F-16	Fire Rated Construction	The required fire separation distance for Building-C does not comply with the requirements of BNBC 2020.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.	Within 6 months
F-17	Inspection, Testing & Maintenance (Fire)	Fire drills are not conducted according to section 13.2 of RSC Technical Guidelines (Standard) ¹ V1.0.	Fire drills shall be conducted according to section 13.2 of RSC Technical Guidelines (Standard) ¹ V1.0. Fire drills shall be conducted on a monthly basis as outlined in BNBC 2020 Part 4 Appendix A.	Within 1 month
				

F-18	Fire Protection System(ITM of Emergency Lighting System)	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-19	Fire Alarm & Detection System (FADS)	Fire Alarm & Detection System (not installed yet) requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Submit the fire alarm and detection 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 within 2 month and installation within 4 months
F-20	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month after installation.

F-21	Fire Suppression System (SUPS)	Standpipe & Hose system (not installed yet) requires a detailed review to confirm compliance with NFPA 14,20, 24, and RSC Technical Guidelines (Standard).	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard)¹ V1.0. and NFPA 14, 20,22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.	Design within 2 month and installation within 4 months
F-22	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month after installation.
F-23	Fire Suppression System (SUPS)	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and RSC Technical Guidelines (Standard) ¹ V1.0.	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard) ¹ V1.0. and NFPA 14 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design within 2 month and installation within 4 months

F-24	Inspection, Testing & Maintenance (Fire)	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. Smoking sign shall post in accordance with section 13.5 of RSC Technical Guideline (Standard)	Within 1 Month
F-25	Inspection, Testing & Maintenance (Fire)	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 on- site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month