

INITIAL FIRE SAFETY INSPECTION REPORT

Arrival Fashion Limited (Extension)

RSC ID: 25622

Colomesshor, Board Bazar, Po:-National University , P.S: Gazipur, Bangladesh

Other Factories: Arrival Fashion Limited (ID: 9279) in the premises



Inspected By: Shahina Imam

Date: 28 April 2024

Fire Safety Inspection Report

Arrival Fashion Limited (Extension)

Introduction:

Arrival Fashion Limited (Extension) was surveyed for fire safety on **28/04/2024** 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 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. Production Building - 2 (B+G+5) RCC with one Steel Stair.

Colomesshor, Board Bazar, Po:-National University , P.S: Gazipur, Bangladesh

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Findings & Recommendations :

Arrival Fashion Limited (Extension)

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	The Boiler, Compressor room is not separated by fire rated construction (non functional fire door) from pump room at Ground floor.	Separate the Boiler/Compressor room by a minimum 1-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 Months
<div style="display: flex; justify-content: space-around;">   </div>				

F-2	Fire Rated Construction	<p>The exit stairs are not separated due to unprotected opening at lift M/c room, basement store area, wall thickness due to Hose cabinet box, non rated stair steel support, door gap above 19 mm, door credibility of partex doors on each floor by fire-rated construction.</p>	<p>Provide minimum 2-hr fire rated construction for buildings 4 storied or more and 1-hr for upto 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 and provide vestibules to avoid direct discharge from storage to exit stair enclosure. 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 RSC Technical Guidelines (Standard) 6.8.3.1 If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 Months
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F-3	Fire Rated Construction	Finished Goods Storage rooms at 3rd floor, 2nd floor and 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 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the Store, generator, substation room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 Months
<div style="display: flex; justify-content: space-around; align-items: center;">   </div>				
F-4	Fire Rated Construction	Elevator shafts are directly open into the Exit Stair.	For interim construction, elevators shall not open into an exit enclosure as per RSC-6.14.3. So, separate the stair enclosure from elevator shaft throughout the building.	Within 3 Months



F-5	Fire Rated Construction	<p>Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies due to pvc pipe at 3rd floor toiler area and glass partition from 5th floor to 1st floor.</p>	<p>Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating.</p> <p>or,</p> <p>Provide a minimum 2-hr fire rated shaft to separate the BBT shaft & toilet area from each floor.</p>	<p>Within 3 Months</p>
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F-6	Fire Rated Construction	The Exit Stair-2 is less than 10ft wide and is not separated from the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft, to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 3 Months
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F-7	Means of Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits.	Modify exit arrangement or Provide additional exit(s)	Within 3 Months
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F-8	Means of Egress	Landings are not provided ground floor main exit discharge and exit discharge path of basement area.	Provide landings on both side of exit door and prevent door leaf does not swing on landing area to facilitate uninterrupted egress of occupants.	Within 1 Month
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F-9	Means of Egress	Building are interim construction where width of exit stair-1 is less than 1.5 m (60 in).	Provide exit stair minimum clear and unobstructed width of 1.5 m (60 in.) in accordance with as per RSC Technical guideline (standard V1) 6.5.6.2.1.Or, If Other exits meet exit capacity, travel distance, common path of travel, dead end, exit remoteness & other exit stair requirements as per RSC Technical guideline (standard V1), these exits may eliminate from emergency exit.	Within 3 Months
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F-10	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
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F-11	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	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-12	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 after installation
F-13	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-14	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-15	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 1 Month (after installation)
F-16	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design Review within 2 months and installation within 4 months.



F-17	Fire Protection System(ITM of standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month after installation.
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F-18	Fire Protection System(ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the fire pump in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
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 1 Month