

INITIAL FIRE SAFETY INSPECTION REPORT

ARRIVAL FASHION LIMITED (Bhaluka)

RSC ID: 24980

Holding: 18, Vill : Mamarishpur, Post: Mallik Bari, P.S: Bhaluka, Dist : Mymensingh, Bangladesh.

Other Factories: N/A



Inspected By: Md Kamrul Hasan, Md Tanvir Rahman.

Date: 20-Dec-2023

Fire Safety Inspection Report

ARRIVAL FASHION LIMITED (Bhaluka)

Introduction:

RSC ID : 24980

ARRIVAL FASHION LIMITED (Bhaluka) complex was surveyed for fire safety on **20-Dec-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

SL No	Building Name	Building Construction Period	Occupied	Structure type	Construction time
1	Building-01 (Garments Shed)	Dec-2017 to Dec-2018	Aug-20	Steel	Interim
2	Building-02 (Dining Shed-1)	Jan-2018 to May-2018	Aug-20	Steel	Interim
3	Building-03 (Dining & Canteen Shed)	Jan-2018 to May-2018	Aug-20	Steel	Interim
4	Building-04 (Pump House)	Dec-2013 to Mar-2014	Aug-20	RCC	Interim
5	Building-05 (Generator Building)	May-2022 to Aug-2022	Aug-22	RCC	New
6	Building-06 (Dining shed -2)	May-2022 to Aug-2022	Aug-22	Steel	New
7	Building-07 (Garments Building)	Mar-2021 to April-2023	Jun-23	RCC	New
8	Building-08 (Security Building)	Dec 2023 to April-2023	May-23	RCC	New
9	Building-09 (Submersible Pump Room)	Nov 23 - Continue	(Under construction)	RCC	New
10	Building-10 (Fire Control room)	Dec 2023 to April-2023	May-23	Steel	New
11	Building-11(Medical child care shed)	Dec 2023 to April-2023	May-23	Steel	New
12	Building-12 (Boiler shed)	Dec 2023 to April-2023	May-23	Steel	New
13	Building-13 (Utility Building)	Dec 2023 to April-2023	May-23	RCC	New
Note : In the same premises there is another factory named Mayable & Frank Fashion Ltd. (non RSC ID) With 11 structures.					

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Findings & Recommendations :

Table 1 summarize the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline. 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.

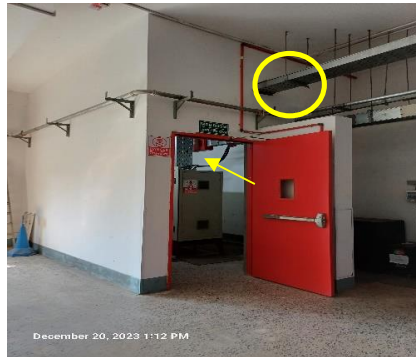
Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction. (Building-07 (Garments Building))	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. 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

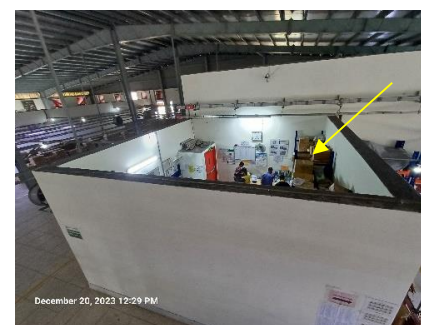
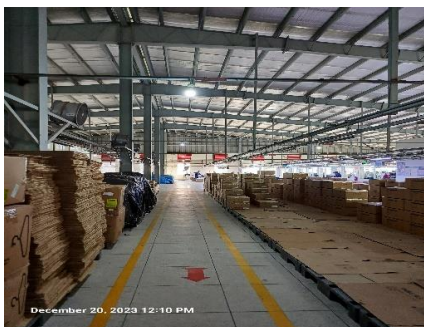


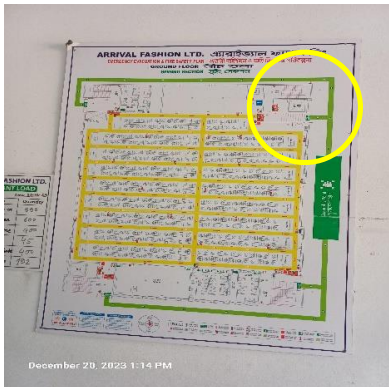
2	Fire Rated Construction	Storage area and basement floor discharges directly into exit stair enclosure. (Building-07 (Garments Building))	Openings from exit enclosure to storage area and basement spaces shall be provided with a vestibule with fire rated construction and openings. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
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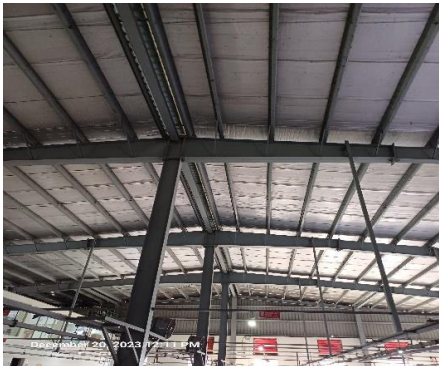
				
3	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies due to sanitary line, cable & BBT riser. (Building-07 (Garments Building))	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level or seal all penetrations 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



4	Fire Rated Construction	Rooms used for combustible storage (fabric store, finished goods storage, and accessories store) are not separated by fire rated construction and open to the factory on the ground floor. (Building-01 (Garments Shed))	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 0.75 hr. (45 Minutes) fire rated fire rated barrier construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.), maximum area of 23m2 (250 ft2) and 3m (10ft.) clear distance from adjacent another unenclosed combustible storage. - If the building/floor is sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m2 (1000 ft2). -In process storage shall be limited to 10 percent of the building area of the story in which they occur.	Within 3 months
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5	Fire Rated Construction	Elevator shafts are directly open into exit stair enclosure-2 and into the floors. (Building-07 (Garments Building))	Modify the elevator shaft as per RSC Technical Guideline (Standard) V1-6.14.3. An exit stairway shall not be built around a lift shaft unless both of them are located in a smoke proof enclosure and made of a material with fire resistance rating required for the type of construction of smoke proof enclosure. So, rearrange the facility to provide separate enclosure for lifts. If not possible anyway then provide a minimum 2-hr fire- rated elevator shaft with listed fire rated lift landing door to separate from each floor level.	Within 3 months
 				

6	Fire Rated Construction	The main structural elements of the building are constructed by steel which is non-rated and were found in exposed condition without any fire protection. (Building-01 (Garments Shed), Building-02 (Dining Shed-1), Building-03 (Dining Canteen &Shed))	For interim construction, the building shall be constructed as required in BNBC 2006 Part 3 Table 3.2.4. So, provide require rating for the structural elements of the building following BNBC 2006-Table 3.2.4, 3.1.9 and 3.3.1. Factory shall ensure that, all the design, datasheet, certificate, and the design-philosophy has been reviewed from the RSC prior to install the passive fire protection system.	Within 6 months
  				

7	Means of egress	In few area aisles mark were not provided. (Ground floor of Building-01 (Garments Shed), 1st & 2nd floor of Building-07 (Garments Building))	Provide minimum aisle widths of 36-in and mark properly.	Within 1 month
 				

8	Means of egress	Building did not have occupant load signs at required locations. (Building-01 (Garments Shed), Building-02 (Dining Shed-1), Building-03 (Dining & Canteen Shed))	Provide occupant load signs at required locations.	Within 1 month
9	Means of Egress	Uneven path of travel was observed in exit discharge path. (East side discharge path of Building-01 (Garments Shed), south side discharge path of Building-07 (Garments Building))	Level the exit path to the public way.	Within 1 month
 				

10	Means of egress	Exit signage were not provided along a path of egress. (1st & 2nd floor of Building-07 (Garments Building), Building-01 (Garments Shed))	Provide exit signs above all building exits to the exterior, all doors to the exit stairs.	Within 1 month
				
11	Emergency Lighting	Directional sign not provided at required locations. (Basement, 1st & 2nd floor of Building-07 (Garments Building), Building-01 (Garments Shed))	Provide directional exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious. Lighted directional signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month



12	Emergency Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on the basement, 1st & 2nd floor. (Building-07 (Garments Building), Building-01 (Garments Shed))	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
 				

13	ITM Emergency Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard). (All Building)	Inspect, test and maintain the emergency lighting system in accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month
14	Fire Alarm & Detection system	Automatic fire alarm and detection system installation has been found complete which requires detailed review to confirm compliance with NFPA 72 and The RSC Technical Guidelines (Standard). (All Building)	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 buildings 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. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	Design Review within 2 months and installation/modification within 4 months
 				

15	ITM of Fire Alarm System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC standard. (All Building)	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 (Table-14.3.1) or as per RSC standard.	Within 1 Month after installation.
16	ITM extinguisher	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10. (All Building)	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and RSC Technical Guidelines.	Within 1 month