

## FIRE SAFETY INSPECTION REPORT

# ARABI Fashion Ltd (Extension)

RSC ID: 24432

Google Coordinate: 24.1263° N, 90.3945° E  
Bokran, Monipur, Gazipur Sadar, Gazipur.

Other Factories in the premises: ARABI Fashion Ltd.- 9473 and Novel Hurricane Knit Garments Ltd.- 10162.



Inspected By: Md. Ferdous Jaman and Yusuf Ahmed

Date: 16-June-2022

# Fire Safety Inspection Report

## ARABI Fashion Ltd (Extension)

### Introduction:

ARABI Fashion Ltd (Extension) complex was surveyed for fire safety on 16/06/2022 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 Accord. 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 Accord 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):** i) 4 Storied RCC Dining Building (G+3, RCC)  
ii) 2 Storied RCC Security Building (G+1, RCC)  
iii) Single Storied Sewing Thread Store Shed (G, RCC)


**Findings & Recommendations :**

The below table-1 summarizes the major fire safety issues identified during the inspection of all building. 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.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	<p style="text-align: center;"><b>Dining Building</b></p> <p>The exit stairs are not separated from [work areas, other spaces] 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.</p> <p>If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.</p> <p>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</p> <p>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

SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F-02	Fire Rated Construction	<p>The exit discharge path serving exit of stair-1 and stair-2 is less than 10 ft. wide and is not separated from the building interior.</p> <p>Location: Discharge path/walkway of dining building east side of main production building and east site of dining building.</p>	<p>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 2-hr fire separation. Alternatively, provide a second remote discharge path to the public way.</p>	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-03	Fire Rated Construction	<p>Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Followings are the description of openings or penetrations indicating specific locations:</p> <ol style="list-style-type: none"> <li>1. PVC pipes penetrate the floor slabs in toilet block of dining building.</li> </ol>	<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>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F-4	Means of Egress	<p>Building did not have stair designation signs and occupant load signs at the required locations. Location: Dining Building</p>	<p>Provide stair designation signs and occupant load signs at the required locations.</p>	<p>Within 1 month</p>
F-05	Means of Egress	<p>Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation. Location: Dining building and security building.</p>	<p>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.</p>	<p>Within 3 month</p>

SI No.	Category	Findings	Required Action	Remediation Time Frame
				
F-06	Egress Lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from [emergency lighting /exit signage] units to prevent them from being switched off.	Within 1 month
				

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-07	Egress Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 3 months
F-08	Fire Alarm & Detection system	Automatic fire alarm and detection system installation complete 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 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 within 6 months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-09	ITM of Fire Alarm & Detection system	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).	Within 1 month (after installation)
F-10	Fire Protection System	Standpipe installation requires detailed review to confirm compliance with NFPA 14, 20, 22 and RSC Technical Guideline (Standard). Location: Dining Building.	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 Guideline (Standard) 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 Review within 2 months and installation within 4 months.



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-11	Fire Protection System	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and RSC Technical Guidelines (Standard).	Within 1 month (after installation)
F-12	ITM of Fire Protection System	Inspection, testing, and maintenance for the standpipe system is not in accordance with NFPA 25 or as per RSC Technical Guidelines (Standard).	Inspect, test and maintain the stanpipe system in accordance with NFPA 25 or as per RSC Technical Guidelines (Standard) and keep written records on-site.	Within 1 month (after installation)
F-13	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 RSC Technical Guidelines (Standard).	Within 3 months

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-14	Egress Lighting	<p><b>Sewing Thread Store Shed</b></p> <p>The directional signs are not provided where there is a change in direction and where the continuation of the egress path is not obvious.</p>	<p>Install 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.</p>	<p>Within 1 month</p>
