

# INITIAL FIRE SAFETY INSPECTION REPORT

## SQUARE FASHIONS LTD (Extension)

RSC ID: 24583

ROKEYAPUR, JAMIRDIA, HABIR BARI, VALUKA

Other Factories: None



Inspected By: Pantha Pallob Das & Nainin Nowrose

Date: 09 January 2023

**Introduction:**

SQUARE FASHIONS LTD (Extension) complex was surveyed for fire safety on 09/01/2023 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):** There are total 3 structures in the premises under this ID. Those are i. Building-15 (6 storied RCC Production Building), ii. Building-16 (6 storied RCC Store Building) and iii. Building-17 (Single storied RCC Utility & Water Reservoir).

**Factory Address:** ROKEYAPUR, JAMIRDIA, HABIR BARI, VALUKA

### Points of contact:

Engr. Md. Eleash Hossain Mollah  
Sr. Manager, Engineering  
+8801711428942, +8801717050473  
eleash@squaregroup.com



Mohammad Rafiqul Islam  
AGM, HR, Compliance & Administration  
+8801730082767, +8801711576923  
rafique-skflsfl@squaregroup.com



## Findings & Recommendations :

Table 1&2 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-01	Fire-Rated Construction	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies due to Electric cable riser.  <b>Location:</b> Building-15.</p>	<p>Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.</p>	<p>Within 3 months</p>
				

F-02	Fire Alarm and Detection System (FADS)	<p>The fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and RSC technical guidelines (standard).</p> <p>Location: Building-15.</p>	<p>Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review.</p> <p>Once reviewed, install or modify the fire detection and alarm system (where required) throughout the building in accordance with RSC technical guidelines (standard) and NFPA 72. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing &amp; commissioning.</p>	<p>Design Review within 2 months and modification within 4 months (If require).</p>
------	--	--	--	---



F-03	Inspection, Testing and Maintenance of FADS.	<p>Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with NFPA 72 and RSC Technical Guideline (Standard).</p> <p>Location: Building-15.</p>	<p>Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.</p>	<p>Within 1 Month after installation.</p>
F-04	Fire Protection System (SUPS)	<p>Standpipe system and fire pump installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 24 and RSC Technical Guideline (Standard).</p> <p>Location: Building-15.</p>	<p>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 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing &amp; commissioning.</p>	<p>Design Review within 2 months and modification within 4 months (If require).</p>



F-05	Fire Protection System(ITM of Standpipe)	<p>Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).</p> <p>Location: Building-15.</p>	<p>Inspect, test and maintain the standpipe system in accordance with NFPA 25 or as per RSC Technical Guideline (Standard) and keep written records on-site.</p>	<p>Within 1 Month after installation.</p>
F-06	Fire Protection System(ITM of Fire Pump)	<p>Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).</p> <p>Location: Building-15.</p>	<p>Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).</p>	<p>Within 1 month after installation</p>

F-07	Fire Protection System(ITM of Sprinkler)	<p>Inspection, testing, and maintenance for the Sprinkler system is not in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).</p> <p>Location: Building-15.</p>	Inspect, test and maintain the Sprinkler system in accordance with NFPA 25 or as per RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 month after installation
------	--	--	---	-----------------------------------

**Table-2:**

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-08	Fire Alarm and Detection System (FADS)	<p>The fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and RSC technical guidelines (standard).</p> <p>Location: Building-16.</p>	<p>Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review.</p> <p>Once reviewed, install or modify the fire detection and alarm system (where required) throughout the building in accordance with RSC technical guidelines (standard) and NFPA 72. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing &amp; commissioning.</p>	<p>Design Review within 2 months and modification within 4 months (If require).</p>



F-09	Inspection, Testing and Maintenance of FADS.	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with NFPA 72 and RSC Technical Guideline (Standard).  Location: Building-16.	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-10	Fire Protection System (SUPS)	Standpipe system and fire pump installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 24 and RSC Technical Guideline (Standard).  Location: Building-16.	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 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 months and modification within 4 months (If require).



F-11	Fire Protection System(ITM of Standpipe)	<p>Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).</p> <p>Location: Building-16.</p>	<p>Inspect, test and maintain the standpipe system in accordance with NFPA 25 or as per RSC Technical Guideline (Standard) and keep written records on-site.</p>	<p>Within 1 Month after installation.</p>
F-12	Fire Protection System(ITM of Fire Pump)	<p>Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).</p> <p>Location: Building-16.</p>	<p>Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 25 or as per RSC Technical Guideline (Standard).</p>	<p>Within 1 month after installation</p>