

# INITIAL FIRE SAFETY INSPECTION REPORT

## FRIENDS KNITTINGS LTD (EXTENSION)

RSC ID: 25504

1406/1, South Salna, Word -19, Deshipara road, Gazipur, Bangladesh

Google Coordinate: 24.018978, 90.394196

Other Factories: FRIENDS KNITTINGS LTD (RSC ID: 23950)



Inspected By: Mahfuza Khanom

Date: 19 February 2024

# Fire Safety Inspection Report

## FRIENDS KNITTINGS LTD (EXTENSION)

### Introduction:

**FRIENDS KNITTINGS LTD (EXTENSION)** complex was surveyed for fire safety on **19/02/2024** 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):** There is only 1 structure in the premises under this ID. That is : **Warehouse Building (G+6)**

**Factory Address:** 1406/1, South Salna, Word -19, Deshipara road, Gazipur, Bangladesh.



### Points of contact:

<p>Md. Mostofa Kamil Zabin Deputy General Manager- HR, Compliance &amp; EMS Contact No: 01770535239 Email: dgmhrc.fkl@debonairgroupbd.com</p>	<p>Md. Anwar Hossain Sr. Manager- Utility Contact No: 01731421718 Email: utility.fkl@debonairgroupbd.com</p>
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## 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 review.

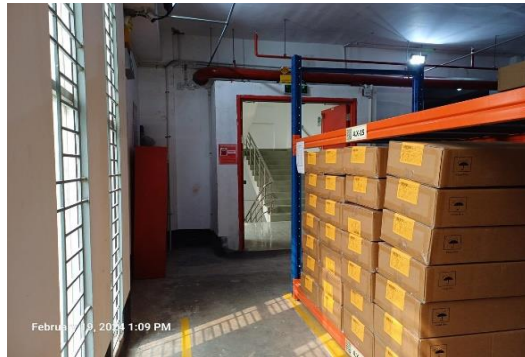
**Table-1:**

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	<p>Rooms used for combustible storage are not separated by fire rated construction. Inspection room, Lab room and Office areas have been found with dedicated store area.</p> <p>Location: 5th, 4th, 3rd, 1st and Ground floor</p>	<p>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 1 hr. fire rated barrier construction.</p>	<p>Within 3 months</p>
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F-2	Fire Rated Construction	<p>The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction.</p> <p>Gap below fire door has been found more than maximum allowable limit (19 mm), fire door has been found open with external sources and door co-ordinator for double leaf door has not been found properly functional.</p>	<p>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 building with 4 or more stories.</p> <p>Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer.</p> <p>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. 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>Proper documents shall kept on site for fire door, frame &amp; accessories for verification. Clearance Between Bottom of Door and Finished Floor shall not exceed 19 mm.</p>	Within 3 months
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F-3	Fire Rated Construction	Store room discharged directly into the exit stair enclosures without vestibules. Location: All floors	Openings from exit enclosure to storage room, 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 side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 4 months
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F-4	Fire Rated Construction	The lift is not separated from work areas and other spaces on each floor by fire rated construction.	<p>Provide a minimum 2-hr fire-rated elevator shaft to separate from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation. Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the shafts area with 2-hr fire rated construction barrier.</p> <p>Ensure that the fire doors are self-closing and positive latching. 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-5	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies (Electrical cables).	<p>Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. If fire stopping materials with proprietary design are used for seal, then it shall be classified for the purpose it is used for. Also the installation shall be as per the proprietary design it has been tested with.</p> <p>Or</p> <p>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months
 <p>The middle row contains three photographs. The first photo shows several large black and green cables protruding through a concrete floor/ceiling assembly without any sealant. The second photo shows a red fire door with a sign that reads 'SDB ROOM' and 'FIRE DOOR 32'. The third photo shows a fire-rated shaft with a white door and a green emergency light.</p>				
F-6	Means of Egress	Uneven walking surface were found from exit discharge of Stair-2 (North-East) and Stair-3 (West).	Provide an even level walking surface in exit discharge in accordance with 6.3.4 of RSC Technical Guidelines (Standard_V1.0).	Within 3 months



<p>F-7</p>	<p>Fire Alarm and Detection System</p>	<p>The fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and RSC technical guidelines (standard).</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- within 2 months Installation/ Modification-within 4 months</p>
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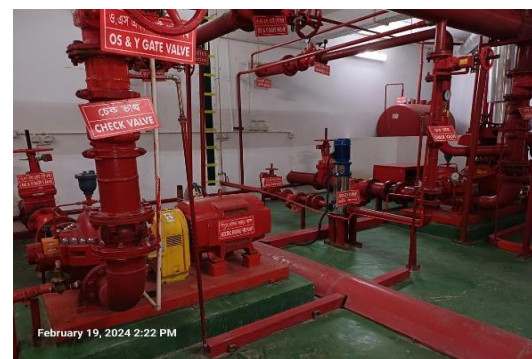
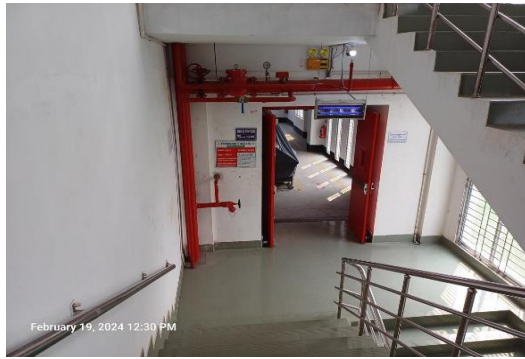
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<p>F-8</p>	<p>Fire Alarm and Detection System (ITM)</p>	<p>Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with NFPA 72.</p>	<p>Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.</p>	<p>Within 1 month after installation</p>
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F-9	Fire Protection System (Sprinkler)	<p>The high-rise building has an occupied floor greater than 23 meter (75 feet) and is provided with automatic sprinkler protection along with standpipe system. The automatic sprinkler and standpipe system installation requires detailed review to confirm compliance with NFPA 13, 14, 20, 22, 24 and the RSC Technical Guidelines (Standard).</p>	<p>Submit as built drawings, testing records, listing information and other relevant documentation to the RSC for review and approval, modification shall have to done as per the reviewed design (if required). Class-I standpipe system is acceptable with automatic sprinkler system. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing &amp; commissioning.</p>	<p>Design- within 2 month Modification if required- within 4 months</p>
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F-10	Fire Protection System (ITM)	Inspection, testing, and maintenance for the Sprinkler and Standpipe system is not in accordance with NFPA 25 or as per RSC standard.	Inspect, test and maintain the sprinkler and standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per RSC standard.	Within 1 month after installation
F-11	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 system, and keep written records on-site, in accordance with NFPA 25 or as per RSC standard.	Within 1 month after installation