

INITIAL FIRE SAFETY INSPECTION REPORT

Northern Fashion (Extension)

RSC ID: 24770

Plot 16-18 Dakkin Panishail, EPZ kaliakur road, Kashimpur, Gazipur, Dhaka.

23.991501, 90.257231

Other Factories: NORTHERN FASHION LTD. [ID-9202]



Inspected By: Md. Sadid Rahman

Date: 27-Nov-2023

Fire Safety Inspection Report

Northern Fashion (Extension)

Introduction:

RSC ID: 24770

Northern Fashion (Extension) complex was surveyed for fire safety on **27-Nov-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):

Factory Building name(s): There are total **2 structures** in the factory compound under this RSC ID 24770. The buildings are as below:

1. Building-D: New warehouse - 6 storied with basement, Interim RCC building. [Approved for 7 storied, basement not approved]

Approved from Gazipur Municipality on 04-Jul-2012. Construction duration from Jan-2017 to Nov-2020. Occupied on Oct 2018. Total Floor area: 19,404 sqft (Approximately).

2. Building-F: Office Store- 3 storied Interim RCC building. [Approved for 4 storied]

Approved from Gazipur Municipality on 04-Jul-2012. Construction duration from Jan-2017 to Nov-2020. Occupied on Oct 2018. Total Floor area: 2,857 sqft (Approximately).

Factory Address: Plot 16-18 Dakkin Panishail, EPZ kaliakur road, Kashimpur, Gazipur, Dhaka.

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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction. Location: B# F (Office Store)	Provide minimum 2-hr fire rated construction for buildings 4 storied or more and 1-hr for up to 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. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 months
				

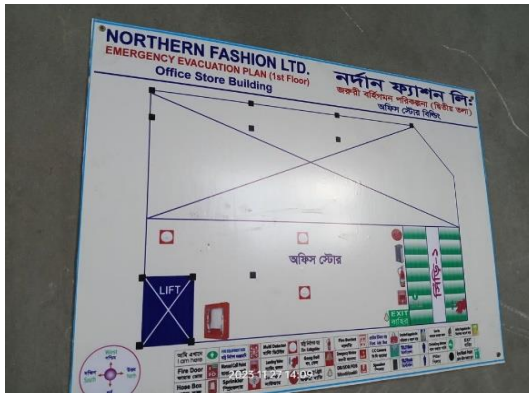
F-2	Fire Rated Construction	Storage room discharges directly into exit stair enclosure. Location: B# D (New Warehouse)	Openings from exit enclosure to storage room, shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and 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 3 months
 				

F-3	Fire Rated Construction	Exit stair enclosures are not free from unusual unsealed penetrations and openings. Location: Building -D and F	Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure. Seal all penetrations and openings in the wall of exit enclosure (full thickness of the wall) by fire rated materials to maintain the fire resistance rating of 2 hr.	Within 3 months
 				

F-4	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location: Building-D: New warehouse	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. Provide a minimum 3-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
				

F-5	Fire Rated Construction	Building F (proposed office Store) [H] has been found not separated from Utility [K] where both buildings are structurally and architecturally not connected.	Provide 2 hr. separation between the building as per Table 3.2.1 of BNBC 2006 (Part 3).	Within 3 months
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F-6	Fire Rated Construction	2nd floor (which was more than 33 percent of the floor) was not separated from 1st floor of Building :F Office store.	Maintain fire separation (2hr) wall between 1 floor and 2nd floor as per BNBC 2006 Table 3.3.1.	Within 3 months
 				

F-7	Means of Egress	Width of Stair 1 and 2 has been found 47 inch. Location: Building-D: New warehouse	In new and interim construction and constructed stairs post 24 November 2013, stairs shall have a minimum width of 1.5 m (60 in.) for all industrial occupancies.	Within 3 Months
 				

F-8	Means of Egress	Single Exit has been provided on Chemical store area [H2]. Location: 1st Floor of Building-D: New warehouse and 2nd Floor of Building F: Office Store (Proposed)	Rearrange the aisle and occupant load so that 30 occupants and 23 m (75 ft) travel distance has been maintained (Table 6.6.2 of RSC Technical Guidelines Standard).	Within 3 Months
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F-9	Means of Egress	Aisle has not been marked properly. Location: Building-D: New warehouse and Building-F: Office Store.	Marked the Aisles with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 1 Month
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F-10	Means of Egress	Updated Fire evacuation map is not posted at the entrance of all exit stair. Location: Building-D: New warehouse and Building-F: Office Store.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 Month
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F-11	Means of Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits. Location: Building-D: New warehouse.	Provide additional exit or modify exit arrangement to meet 6.6.6 of RSC Technical Guidelines Standard.	Within 1 Month
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F-12	Means of egress	Exit stairs serve more than 5 stories and do not have required re-entry provisions. Location: Building-D: New warehouse.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC standard 6.8.3.1.	Within 1 month
F-13	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).	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



F-14	Fire Alarm & Detection system (ITM of FADS)	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and and The RSC Technical Guidelines (Standard).	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and The RSC Technical Guidelines (Standard) and keep written records on-site	Within 1 month (after installation)
F-15	Fire Protection System (Standpipe)	The factory has installed a fire Standpipe system which is required to be reviewed and verified.	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 NFPA- 14 and 20. Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design within 1 months, installation/modification on within 3 months



F-16	Fire Protection System(ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20, 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the fire pump in accordance with NFPA 20, 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
F-17	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 14, 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 14, 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
F-18	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
F-19	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) and keep written records on-site.	Within 1 month