

INITIAL FIRE SAFETY INSPECTION REPORT

ABLOOM DESIGN LIMITED (Extension) RSC ID: 24534

37, South Shastapur, Upazila Road, Fatullah, Narayanganj
Other Factories: ABLOOM DESIGN LTD. (ID: 9278)



Inspected By: Pantha Pallob Das & Shahina Imam
Date: 26 December 2022

Introduction:

ABLOOM DESIGN LIMITED (Extension) was surveyed for fire safety on 26/12/2022 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 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): ABLOOM DESIGN LIMITED (Extension)

1. Building-3
2. Building-4

Factory Address: 37, South Shastapur, Upazila Road, Fatullah, Narayanganj

Points of contact:

Md. Shafayet Ullah
Sr. Manager - Admin, HR & Compliance
01955552707
adlhrd938@yahoo.com

Md. Anisur Rahman
Manager-Maintenance & Utility
maintenance.abloom@gmail.com
01955552718

Findings & Recommendations :

ABLOOM DESIGN LIMITED (Extension)

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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction due to non-functionality of fire rated doors and non-rated opening.	The exit stair enclosure shall be provided with a minimum of 2- hr. fire resistance rating. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated materials. 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. 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
				

F-2	Fire Rated Construction	Rooms used for combustible storage of building-2 at 1 st floor which is opened to stair-1 of building 3, are not separated by fire rated construction.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction. Store rooms directly discharge in exit stair enclosure shall be separated in accordance with the RSC Technical Guidelines (Standard) Section 6.14.3	Within 3 Months
 				

F-3	Means of Egress	Handrails are not provided in the sides of the exit stair-2 of Building-03.	Provide handrails on both side of exit stair.	Within 3 months
				
F-4	Means of Egress	Abrupt changes in elevation of walking surfaces was observed and change of elevation not meet the RSC Technical Guidelines (Standard) Section 6.3.4. Location: Main Exit discharge of Stair-1	Level the walking surface or provide a beveled slope as per RSC Technical Guidelines (Standard) Section 6.3.4.	Within 3 months



F-5	Means of Egress	Building did not have stair designation signs & Floor designation sign at required locations.	Provide stair designation sign & Floor designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door.	Within 1 month
F-6	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	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
F-7	Fire Alarm and Detection System (FADS)	The fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and RSC technical guidelines (standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. 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 & commissioning.	Design Review within 2 months and installation within 4 months.



F-8	Inspection, Testing and Maintenance of FADS.	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.	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-9	Fire Protection System (Standpipe)	The highest occupied floor of existing building is more than 10 m (33 ft.) and less than 23 m above grade where standpipe system is mandatory and the standpipe system is not installed in accordance with NFPA 14, 20,22 and 24.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Once reviewed, install or modify the sprinkler, standpipe system and pump (where required) 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. Note: As the buildings are interconnected and evacuation process is shared so the system shall be design considering single event fire incident (Single compartment for all buildings).	Design Review within 2 months and installation within 4 months.
-----	------------------------------------	---	---	---



F-10	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 and RSC Technical Guideline (Standard).	Inspect, test and maintain the standpipe system in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	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 in accordance with NFPA 25 and RSC Technical Guideline (Standard) and keep written records on-site.	Within 1 Month (after installation)
F-12	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 3 months