

INITIAL FIRE SAFETY INSPECTION REPORT

Famkam Printing Ltd.

RSC ID: 24259

Shirir Chala, Bagher Bazer Gagipur Shadar, Gazipur

24.17120, 90.41553

Other Factories: Apparel 21 Ltd. (ID-9822)



Inspected By: Md. Ferdaus Jaman & Mahfuza Khanom

Date: 9-Nov-2021

Summary Report

Famkam Printing Ltd.

Introduction:

Famkam Printing Ltd. complex was surveyed for fire safety on 9-Nov-2021 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.

Table 1 summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline.

Findings & Recommendations :

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors. Moreover, accessories (door co-ordinator) missing in installed fire doors. Location: Ground floor	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months





F-2	Fire Rated Construction	Dining area is not separated by fire rated construction with other occupancies/areas.	Dining shall be separated from production area by minimum 3 hr. rated separation. Seal and/or protect all openings to maintain the required fire separation. Also provide means of exits leading directly to the street or leading to a corridor or open space having access to exits from dining area.	Within 3 months
-----	-------------------------	---	---	-----------------



F-3	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 1-hr fire rated construction. Provide minimum 1-hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. The clearance under the bottom of a fire door shall be a maximum of 3/4 in. (19 mm). Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. Provide vestibules to separate any storage areas. 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-4	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
<div style="display: flex; justify-content: space-around;">   </div>				
F-5	Fire Rated Construction	Chemical storage area is not separated by fire-rated construction having unsealed penetrations and openings. Location: On ground and 1st floor.	Separate the chemical storage room by 2-hr fire rated construction. Seal all penetrations and protect the openings to maintain the required fire separations. Keep 16-points MSDS of all chemicals in the storage area.	Within 3 months



F-6	Fire Rated Construction	The building is newly constructed where structural members are constructed by steel (on 2nd floor) and have been found in exposed condition without any fire protection.	New construction shall be type-1 or type-2 construction in accordance with Accord standard 3.5.2.1 and BNBC Part-2, Table-3.2.4. Provide required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the rated construction barriers in between two floors and in structural members.	Within 4 months
-----	-------------------------	--	---	-----------------



F-7	Fire Rated Construction	The compressor room is not separated by fire rated construction (openings, non-rated doors, penetrations). Location: Ground floor	Separate the compressor room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations.	Within 3 months
-----	-------------------------	---	--	-----------------



F-8	Fire Rated Construction	Corridor(s) serving more than 30 occupants is not separated by fire rated construction. Location: Ground floor	Separate the corridor by a minimum 1-hr fire rated construction.	Within 3 months
-----	-------------------------	---	--	-----------------





F-9	Egress	Handrails are not provided in the exit stair.	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. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.).	Within 1 month
-----	--------	---	---	----------------



F-10	Egress	Parapets or guards are not provide in occupiable roof.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
------	--------	--	--	-----------------



F-11	Egress	Fire evacuation maps is not posted at the entrance of all exit stair.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month
F-12	Egress	Exit capacity (531) is not adequate for the occupant load (950). Location: 1st floor	1. Reduce occupant load to not more than available exit capacity. Or 2. Provide additional exits to increase exit capacity.	Within 1 month

F-13	Egress	Width of new exit stair (stair-1,2,3 & 4) is less than 1.5m (60in.).	Provide minimum clear and unobstructed exit stair width of 1.5 m (60 in.) in accordance with Accord standard 6.5.6.2.1.	Within 1 month
<div style="display: flex; justify-content: space-around;">   </div>				
F-14	Egress	Travel distance of egress exceeds limit on the first floor.	Reconfigure the egress arrangement or provide an additional exit to reduce the maximum travel distance to not more than: 45 m (150 ft.) or 60 m (200 ft.) when a complete automatic fire alarm, portable fire extinguishers, and standpipe are present or 122 m (400 ft.) when a complete automatic sprinkler system, automatic fire alarm, portable fire extinguishers, and standpipe are present.	Within 3 months

F-15	Egress	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month
F-16	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months
F-17	Egress Lighting	Exit signs were not provided at several exits.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious.	Within 1 month



F-18	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	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.	Within 1 month
F-19	Fire Alarm & Detection system	Fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	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 standard.	Design within 2 months, Installation/ Modification within 4 months



F-20	Fire Alarm & Detection System (ITM)	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.	Within 1 month (After installation)
------	-------------------------------------	---	---	-------------------------------------