

INITIAL FIRE SAFETY INSPECTION REPORT

Lariz Fashion Limited

RSC ID: 24421

Madanpur, Bandar, Narayanganj

Geographical Coordinates of factory building: 23.689260; 90.548276

Other Factories: None



Inspected By: Dilip Kumar Mondal and Yusuf Ahmed

Date: 18 May-2022

Table-1: Finding & recommendation for Main Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are separated from work areas & other spaces on each floor by fire rated construction and fire door except basement and 8th floor. Also, magnetic door holders were missing from all installed doors.	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 1.5 -hr. fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, 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	Elevator shafts are directly open into the inside of the stairs.	For new construction, elevators shall not open into an exit enclosure as per the RSC Technical Guidelines (Standard)-6.14.3. In new and interim construction, an exit stairway shall not be built around a lift shaft unless both of them are located in a smoke proof enclosure and made of a material with fire resistance rating required for the type of construction of smoke proof enclosure.	Within 3 month
 				
F-3	Fire Rated Construction	The South exit discharge path is not properly separated from the building interior. Location: On ground floor opening/no door for under construction security room.	Exits shall discharge directly to the exterior of the building as per RSC Technical Guidelines (Standard) 6.17.2. The exit discharge shall be at grade or provide direct access to grade. Exit discharge shall not reenter a building.	Within 3 months



F-4	Fire Rated Construction	Transformer, generator & LT Panel (sub-station) are not properly separated by fire rated construction (penetrations). Location: Utility room to storage room and transformer room to generator room on ground floor.	Separate the transformer & LT panel room by a minimum 2-hr fire rated constructions. Seal and/or protect all opening to maintain the required fire separation. Provide proper ventilation system with consult a qualified engineer.	Within 3 months
A close-up photograph of a brick wall with a metal pipe or duct passing through it. A red circle highlights the penetration point, indicating a lack of proper fire-rated sealing.				

F-5	Fire rated construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: 7th floor	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45 m and maximum area of 23 m² and is separated by a minimum 3.0 m (10ft) from other storage areas and they do not exceed 10 percent of the building area of the story in which they occur. If sprinkler protected, Maximum height 12 ft (3.66 m) and maximum area of 1000 ft² (93 m²) and separated by a at least 25 ft (7.62 m) from other storage areas and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater. or, Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
 				
F-6	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: Electrical riser through out the entire floors.	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



F-7	Mean of Egress	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation. Location: 7th floor.	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 3 months
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F-8	Mean of Egress	Exit stair door/egress door serving 50 or more occupants does not swing in the direction of egress travel. Location: Main both exits.	Modify the egress door to swing in the direction of egress travel.	Within 1 month
 				
F-9	Means of Egress	Aisles are not provide with a minimum unobstructed clear with of 36 in. Location: 4th and 6th floors.	Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	Within 1 month



F-10	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 3 months
F-11	Fire Alarm & Detection System (FADS)	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Design & Installation of Fire Alarm & Detection system shall be in accordance with RSC Technical Guidelines (Standard) and NFPA 72. Submit design, documents and calculations to RSC for review prior installation/modification. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months



F-12	Fire Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC Technical Guidelines (Standard).	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per RSC Technical Guidelines (Standard).	Within 1 month after installation.
F-13	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with RSC Technical Guidelines (Standard) and NFPA-14.	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 Guidelines (Standard) and NFPA 14. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire protection System(Standpipe) installation.	Within 3 months



F- 14	Fire Protection System(Sprinkler)	Sprinkler system installation requires detailed review to confirm compliance with NFPA 13 and the RSC Technical Guidelines (Standard).	Submit the sprinkler system drawing to RSC for review. Once reviewed, install or modify the sprinkler system throughout the building in accordance with RSC Technical Guidelines (Standard) and NFPA 13. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire protection System(Sprinkler) installation.	Within 3 months
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F-15	Fire Protection System(ITM of fire pump, standpipe and sprinkler)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 13, 14, 20 and 25 or as per the RSC Technical Guidelines (Standard).	Inspect, test and maintain the Standpipe system, and keep written records on-site, in accordance with NFPA 13, 14,20, 25 or as per the RSC Technical Guidelines (Standard).	Within 1 month after installation.
F-16	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per RSC Technical Guidelines (Standard).	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per the RSC Technical Guidelines (Standard).	Within 1 month