

INITIAL FIRE SAFETY INSPECTION REPORT

Tokio Mode Ltd (Extension)

RSC ID: 24602

98/173 Choydana; National University; Gazipur

Other Factories: Tokio Mode Ltd (ID-10350)



Inspected By: Md. Jahidul Kabir

Date: 27 November-2023

Table-1: Finding & recommendation

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.	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. 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 month

  				
F-2	Fire-Rated Construction	Sliding type doors have provided along means of egress	Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 3 months
 				

F-3	Fire-Rated Construction	Shed-1 is not separated with compressor room.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction. Seal all unprotected openings and penetrations to maintain the fire separation .	Within 3 months
 				
F-4	Means of Egress	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.) for building-2.	Provide parapets or guards with a minimum height of 1067mm (42 inch.). Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.) as per RSC Technical Guideline 6.12.2.3	Within 3 months
				

F-5	Means of Egress	Aisles are not provide with a minimum unobstructed clear with of 36 in. most of the warehouse areas.	Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	Within 1 Month
 				
F-6	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. Or, Handrails are not provided at exit stairs.	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



F-7	Mean of Egress	Electrical DB and power cable are located inside staircase of 3 story building at all floor,	Relocate or remove the electrical DB and power cable from inside staircase.	Within 1 month
 				

F-8	Mean of Egress	Storage was located in the Dinning and prayer area.	Remove storage from the Dinning and prayer area.	Within 1 month
				
F-9	Mean of Egress	Dining and prayer area is not separated from Sample section and other occupancies with fire rated assemblies.	Re-locate the dining area or separate the dining area from other occupancies with 3-hr fire rated construction. Provide required exits that lead directly to the street or exit stairwell or leading to open space.	Within 1 month

				
F-10	Mean of 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-11	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed. Location: All floors.	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-12	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: all floors.	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 1 Month

F-13	Egress Lighting	Exit sign not provided at all required exits	Provide exit signs above all exits to the exterior and all doors to the exit stair.	Within 1 Month
F-14	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 3 months
F-15	Fire Detection & Alarm System	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design within 3 months and installation with 6 months



F-16	Fire Detection System (ITM of FADS)	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 Table-14.3.1 of NFPA 72.	Within 1 month after installation.
F-17	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 standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per RSC standard.	Within 1 month