

FIRE SAFETY INSPECTION REPORT

TECH MAX LTD.

Factory ID: 24251

Beron, Diakhali, Yearpur Union, Ashulia, Dhaka-1349.

23.934724, 90.300977

Other Factories: None



Inspected by: Md. Rakibul Alam & Nainin Nowrose

Date: 24 October 2021



Fire Safety Inspection Report

TECH MAX LTD.

Summary

TECH MAX LTD. complex was surveyed for fire safety on 24 October 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 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 approval.



Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Storage on 1st and 2nd discharges the occupants directly into the exit stair enclosures.	Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings protection as per Accord standard 6.14.3 Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storeroom side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 2 months



F-2	Fire Protection	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards. F-	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 1 month
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F-3	Fire Protection	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/Acceptance test.	Within 1 month
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F-4	Fire Protection	Automatic sprinkler system installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 1 month
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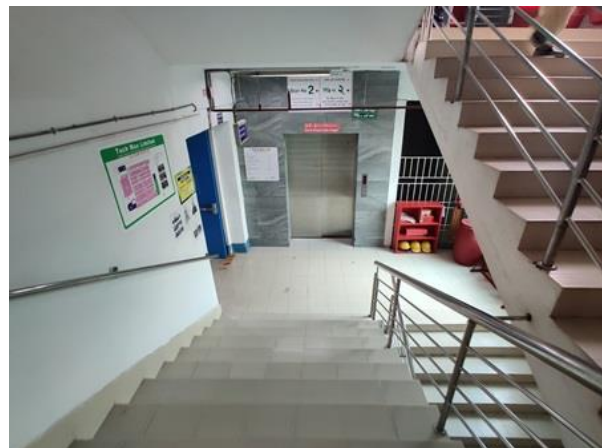
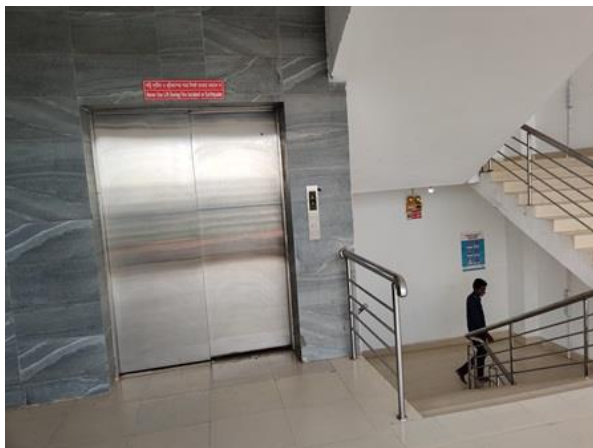
F-5	Fire Protection	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and Approval/acceptance test.	Within 1 month
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F-6	Fire Rated	Lift machine rooms not separated from exit stair enclosures.	Separate lift machine rooms by minimum 2-hr fire rated construction.	Within 2 months
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F-7	Egress	Elevator shafts provided in exit stair enclosures.	Modify the elevator and stair enclosure arrangement in a way to satisfy Accord standard 6.14.3. Elevator shall not open into an exit enclosure. Elevator landing door shall be of 1.5-hr fire rated when open into the factory floor.	Within 4 months
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F-8	Egress	Exit stairs do not discharge directly to the outside of the building. (N-E & S-E stair)	Separate the N-E stair from ground floor loading unloading area and seal all other opening and penetrations from ground floor storage and cutting section to meet Accord 6.17.3.	Within 2 months
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F-9	Egress	Width of exit stairs is less than 1.5 m (60 in.) (West stair).	Provide exit stair minimum clear and unobstructed width of 1.5 m (60 in.) in accordance with Accord standard 6.5.6.2.1.	Within 6 months
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