

FIRE SAFETY INSPECTION REPORT

Square Apparels Limited

Factory ID: 24418

Mamarishpur, Mallikbari, Bhaluka, Mymensingh

24.27937, 90.36931

Other Factories: None



Inspected by: Md. Rakibul Alam & Mohammad Atick Al Zaman

Date: 6 June 2022

Fire Safety Inspection Report

Square Apparels Limited

Summary

Square Apparels Limited complex was surveyed for fire safety on 6 June 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.

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	Open storage areas on ground floor are not properly separated from other areas/occupancies	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
				
F-2	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month

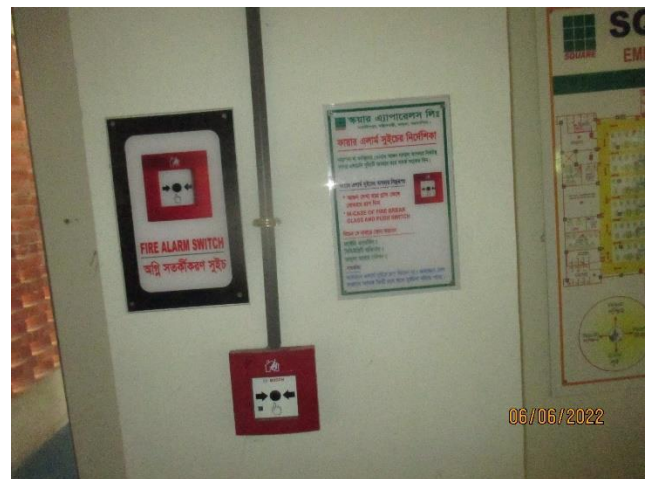
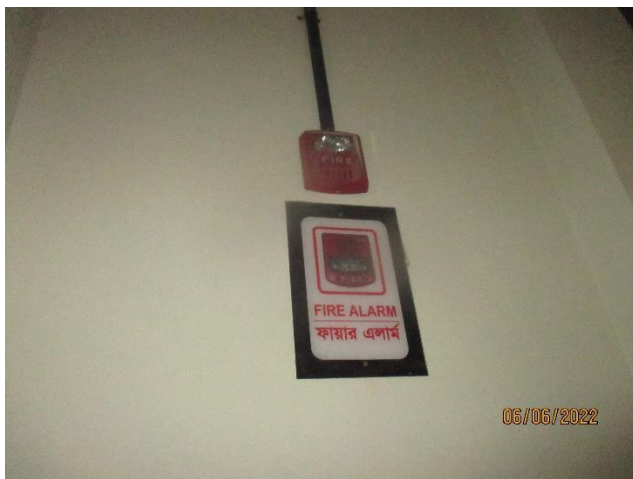


F-3	Fire Rated Construction	Liquefied or compressed gas cylinders are located within the factory.	The storage or use of liquefied or compressed flammable gas cylinders shall be prohibited within the factory building as per RSC. Alternatively LPG/CNG cylinders are permitted to be stored in a separate dedicated building on the factory premises within its boundaries if the building meets the following conditions. 1. The storage building must be at least 3 meters away from any other building and boundaries. 2. The exterior walls of the building must have a fire resistance rating of 3 hours using noncombustible construction. 3. Doors and other openings in the exterior walls must be protected with suitable closing devices having a fire protection rating of 3 hours. 4. The building is to be used for no other purpose than the storage of LPG/CNG cylinders. 5. The building must be mechanically ventilated to control the accumulation of flammable vapors. 6. The installations must be approved and accepted by the requirements of the AHJ, Gas supply company regulations, manufacturers/supplier's instructions/guidance, CIOB and all other applicable agencies, codes and standards.	Within 3 months
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F-4	Fire Protection	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 3 months
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F-5	Fire Protection	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and Approval/acceptance test.	Within 3 months
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F-6	Fire Protection	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Within 3 Months
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F-7	Fire rated Construction	The factory shed is steel construction which appears to be nonrated and were found in exposed condition. (Store building and Boiler building)	New construction shall be Type-1 or Type-2 construction in accordance with RSC standard 3.5.2.1 and BNBC-2006 Part-2, Table-3.2.4. Ensure fire resistive rated construction following Section 4.4 and Table 4.4.1 of the RSC Standard or Table 3.3.1 and Table 4.1.1 from BNBC-2006 Part 4. Consult a qualified fire protection engineer to achieve the required fire rating. Chemical storage buildings shall be Type-1 construction.	Within 6 months
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F-8	Egress	Rare exit path of dining is not even and smooth.	Level the exit discharge path to ensure smooth and safe evacuation from dining shed.	Within 1 month
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