

FIRE SAFETY INSPECTION REPORT

Al-Muslim Apparels Ltd.

Factory ID: 24035

12 Nishchintapur, Ashulia, Savar, Dhaka

23.924910, 90.309321

Other Factories: None



Inspected by: Md. Rakibul Alam & Nainin Nowrose

Date: 10 Nov 2020



Fire Safety Inspection Report

Al-Muslim Apparels Ltd.

Introduction

Al-Muslim Apparels Ltd. complex was surveyed for fire safety on 11 Nov 2020 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	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings and penetrations. (Building-1, few fire door provided without hardware and most are non-rated doors)	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. 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. 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	Room on the ground floor used for combustible storage is not separated by a minimum 1-hr fire-rated construction. (Building-1)	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Fire Rated Construction	Areas on the 1 st and ground floor used for combustible storage open to the factory are not properly defined and/or not within limits.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45m (8 ft) and maximum area of 23 m² (250 ft²). If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²). Separate the areas of unenclosed combustible storage by a minimum clear distance of 3 m (10 ft).	Within 3 months
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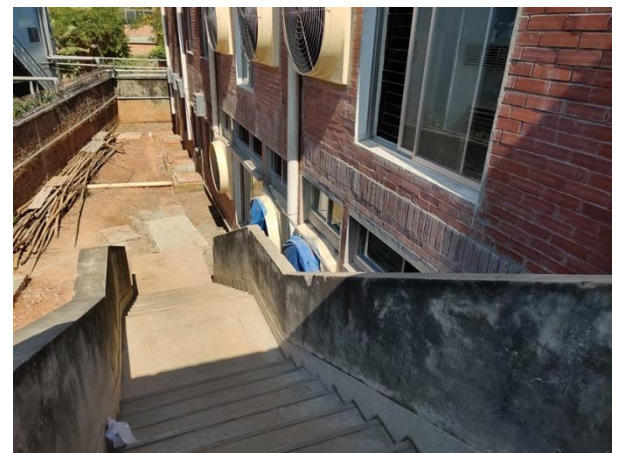
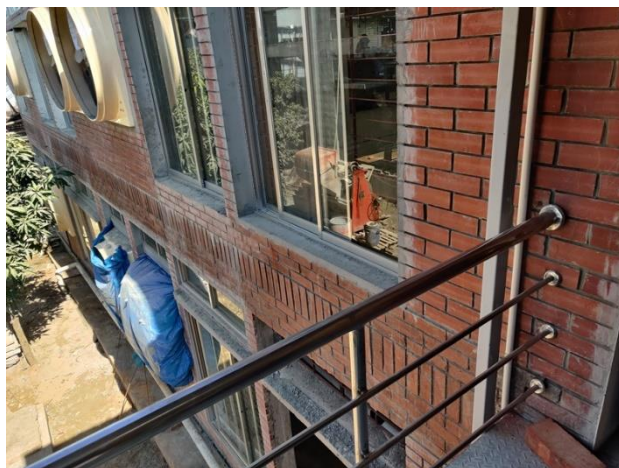


F-4	Fire Protection	The fire alarm and detection system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm and detection system with a new, listed automatic fire alarm system in accordance with NFPA 72 and ACCORD standards.	Design within 3 months Install within 6 months
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F-5	Fire Rated Construction	Exterior exit stairs are not properly separated from the building.	Exterior exit stairs shall be separated from the building with a rating requirement of 1 hr fire rating for 3 or fewer stories. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structures.	Within 2 month
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F-6	Egress	Fire evacuation maps is not posted at the entrance of the exits at few exits of building-1. and Shed-1.	Fire evacuation maps shall be posted at the entrance to each exits and exit stairs.	Within 1 month
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F-7	Egress	Handrails are not provided on both sides of both 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
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F-8	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
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F-9	Fire Rated Construction	The exit discharge path serving the east exit of shed-1 and west exits of building-1 is less than 10 ft wide and is from not separated the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft, to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 3 months
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F-10	Fire Rated Construction	Fire-rated floor/ceiling assemblies have unprotected openings /penetrations. (Building expansion joint of building-1)	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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