

FIRE SAFETY INSPECTION REPORT

Factory Name: RAM APPAREL LTD.

ACCORD ID: 23982

ADDRESS: "Block# A, Plot# 49/1, Ward# 20, Tak Kathora , P.O.# Salna Bazar, Gazipur-1703."

Other Factories: None

Google Co-ordinator: 24.029378,90,377463



Inspected By: Mohammad Anayet Hossain & Shahina Imam

Date: 8 March 2020

Fire Safety Inspection Report

Factory Name: RAM APPAREL LTD.

Introduction:

RAM APPAREL LTD. was surveyed for fire safety on **08/Mar/2020** by The Accord 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 Accord. 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.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.



General Factory Information

Factory Building name(s): Main Building(G+5), Utility Building (G+2) and Control Panel Building (G+1)

Factory Address: "Block# A, Plot# 49/1, Ward# 20, Tak Kathora , P.O.# Salna Bazar, Gazipur-1703."

Points of contact:

1. Name: MD ABDUL ALIM
Designation: DIRECTOR
Contact No: 01771-084843
Email: alim@rambdltd.com

2. Name: MD ABDUL MATIN
Designation: MANAGING DIRECTOR
Contact No: 01713450755
Email: martin@rambdltd.com



Findings & Recommendations :

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 Accord for approval.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire-Rated Construction	The exit stairs are not 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. 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





2	Fire-Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy.	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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3	Fire-Rated Construction	Storage room discharges directly into exit stair enclosures.	Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and +M6a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
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4	Fire-Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 3 hr) assemblies by third-party certified fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
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5	Fire-Rated Construction	Unsealed penetrations and openings are located in the exit stair enclosures	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separations.	Within 3 months
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6	Egress	Electrical Panel box was located in the West-North exit stair.	Remove all electrical panel box from exit stairs.	Within 3 months
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7	Fire-Rated Construction	The North-East Exit discharge path is less than 10ft wide and is not separated from 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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8	No Parapets or Guards	The occupiable roof was not provided with an adequate guard rail.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months
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9	Egress	Width of aisles is less than 0.9m (36-in.) and aisles mark is not provided at cutting Section, Bonded wear house.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months
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10	Egress	A single means of egress is provided from Utility Building 2nd floor, where the occupant load exceeds 49 person.	Reduce occupant load to not more than 49 persons. Or, Provide additional means of egress.	Immediate
11	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes at sewing section	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months





12	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	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 3 months
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13	Emergency Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records	Within 3 months
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14	Fire Alarm and Detection	The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification (if required) shall have to done as per the reviewed design and NFPA-72 .&Upon approval & modification (if required) the owner shall verify the system by ACCORD for final acceptance.	Design within 2 months, Install within 4 months
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15	Fire Alarm ITM	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 NFPA 72 and ACCORD standards.	Within 4 months
16	Fire Protection	The highest occupied floor of existing building is more than 10 m (33 ft.) above grade where standpipe system is mandatory and factory has installed standpipe system along with Class-I standpipe which is required to be reviewed and verified.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification (if required) shall have to done as per the reviewed design and NFPA-14, 20, 22.	Design within 2 months, Install within 6 months





17	Standpipe ITM	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	Within 6 months
18	Fire Pump ITM	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and ACCORD standards.	Within 6 months



19	Smoking Sign	The required no smoking signs are not present in the Factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 3 months
20	Fire Extinguisher ITM	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and ACCORD standards.	Within 3 months
21	Evacuation map	Fire evacuation map is not posted at the entrance of all exit stair.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 3 months



22	Egress	Storage was located in exit stair.	Remove storage from the exit stairs and egress path	Immediate
				

