

FIRE SAFETY INSPECTION REPORT

Factory Name: MAAA Apparels Limited

ACCORD ID: 12529

ADDRESS: Plot # 1187, 1214-15, Gacha Maddhapara, Gazipur Sadar, Gazipur, Bangladesh

Other Factories: None



Inspected By: Raju Ahmed & Muzaddir Alfi Sani

Date: 30th August 2016

Fire Safety Inspection Report

Factory Name: MAAA Apparels Limited

Introduction:

MAAA Apparels Limited. complex was surveyed for fire safety on 30th August 2016 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): MAAA Apparels Limited

Factory Address: Plot # 1187, 1214-15, Gacha Maddhapara, Gazipur Sadar, Gazipur, Bangladesh

Points of contact:

1. Name: Abu Rasel Md. Sayem

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Findings & Recommendations :

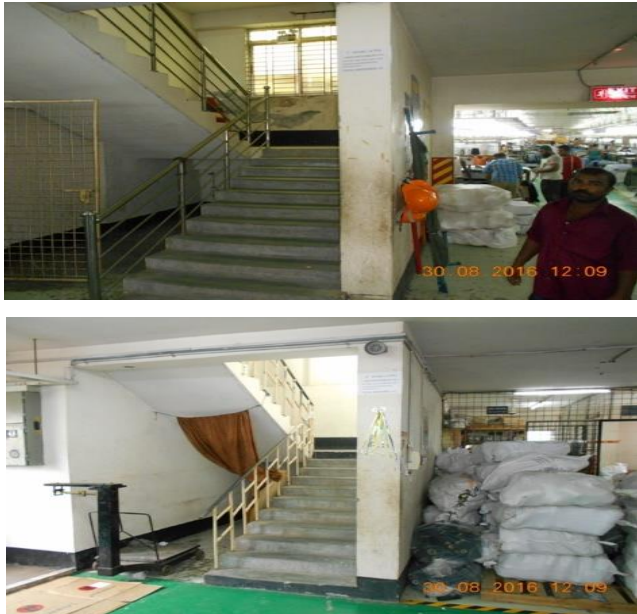
Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue. An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the Accord for approval.

SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	The exterior exit stair is not separated from the building. Location: Building 1, Building 2 .	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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 months	 




SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Fire Rated Construction	The exterior exit stair is not separated from the building. Location: Building 2.	<p>Exterior exit stairs shall be separated by minimum 2-hr fire-rated construction and The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair structure. 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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 months	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
3	Fire Rated Construction	Exit stair(s) is discharge the occupants inside the building. Location: Both exits of Building 2 (Ground floor).	1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or 3. Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 3 months	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
4	Fire Rated Construction	Generator/ Boiler room is not properly separated from each other and from production floor at north-west corner of the factory premises.	<p>Generator/ boiler room shall be separated from the stair by a minimum 2-hr fire rated construction (wall, floor, slab etc.).</p> <p>Seal all penetrations and openings (door, window etc.) shall be protected by 1.5-hr fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location.</p> <p>Or, relocate the utility room to a safe place.</p>	Within 3 months	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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5 Fire Rated Construction

Areas used for in-process storage (Inspection Goods) of combustible materials are open to the surrounding occupancy. Location: Building 1, Shed 1, Building 2.




Provide defined storage areas and limit the storage arrangement as: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m

Within 2 months



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	Fire Rated Construction	<p>Room used for storage of combustible materials (Accessories store & Bonded Ware House) is not separated from the surrounding occupancy (sewing section). Location: Building 1, Shed 1, Building 2 (Ground floor & yarn store), Shed 2 (Jhute godown).</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.</p>	<p>Within 3 months</p>	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
7	Fire Rated Construction	<p>The exit discharge path [serving South East Exit & North East Exit] is less than 10 ft. wide and is not separated from the building interior.</p> <p>Location: Path between Building 1 & Shed 1, West exit of Shed 2, North-West exit of Building 2.</p>	<p>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.</p> <p>Alternatively, provide a second remote discharge path to the public way (only include this if feasible).</p>	Within 2 month	 
8	Fire Rated Construction	<p>The factory is using/ storing liquefied gas cylinder without any separation.</p>	<p>Remove them from the factory building.</p> <p>Or,</p> <p>Provide 2-hr rated room for using/ storing liquefied gas cylinder and ensure proper ventilation of that room. Source of fire such as electrical connection is prohibited.</p>	Immediate	



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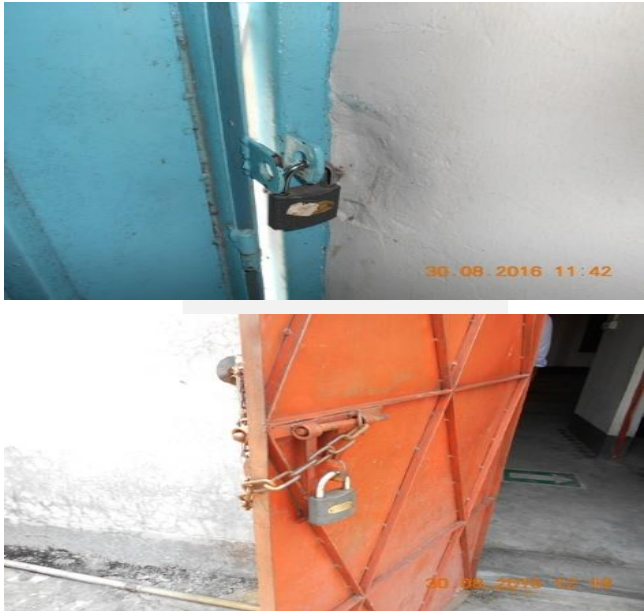
9 Egress

Collapsible/ sliding/ Shutter type doors have been provided along means of egress (building exits, along egress routes, exit discharge).
Location: Building 1 & 2, Shed 1.

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.

Immediate



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
10	Egress	Doors along means of egress are provided with non compliant locking system Location: Building 1 & 2, Shed 1.	<ol style="list-style-type: none"> 1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 	Immediate	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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11 Egress

Width of aisles is less than 0.9m (36-in.).
Location: Building 1 & 2, Shed 1 & 2.

Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).

Within 2 months



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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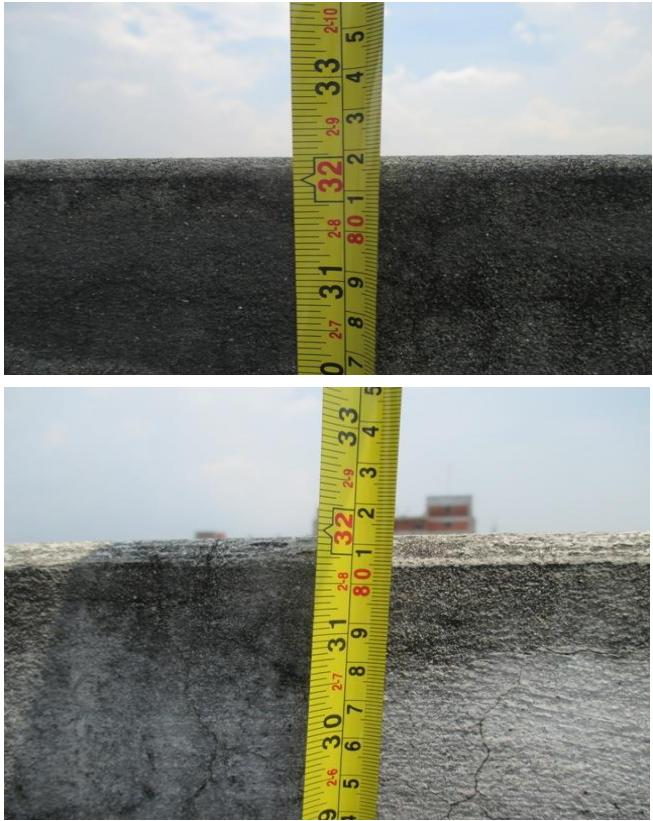
12 Egress

Storage was located in the exit stair.
Location: Building 1 & 2.

Remove all storage from exit stairs.

Immediate



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
13	Egress	Parapets or guards are not provide in occupiable roof. Location: Building 1 & 2.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 1 month	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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14 Egress

The egress path along means of egress has interrupted by obstruction/storage.
 Location: Building 1 (East exit & several floors)

Means of egress shall be maintained continuously free and clear of all obstructions/storage.
 Or
 Keep egress paths and stairs clear of storage.

Immediate



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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15 Fire Alarm System

The Required Fire Alarm system is not installed in accordance with the ACCORD standard Or NFPA-72.
 Location: Building 1 & 2, Shed 1 & 2.


Design of Fire Alarm system shall be in accordance with ACCORD standard and NFPA 72.

Design Submission 4 months and Installation 9 months.



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
16	Fire Alarm System	The fire alarm system does not appear to provide adequate audible notification coverage. Location: Building 1 & 2, Shed 1 & 2.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 3 months	
17	Fire Alarm System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard. Location: Building 1 & 2, Shed 1 & 2.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 3 months	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
18	Fire Protection	<p>Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.</p> <p>Location: Building 1 & 2, Shed 1 & 2.</p>	<p>Inspect, test and maintain the portable fire extinguishers and keep written records on-site, in accordance with NFPA 10 and ACCORD standards.</p>	<p>Within 1 months</p>	
19	Fire Protection	<p>The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade is not protected with an approved standpipe system.</p> <p>Location: Building 1 & 2.</p>	<p>Provide a standpipe system throughout the building in accordance with NFPA 14.</p>	<p>Design 4 month & installation 9 months</p>	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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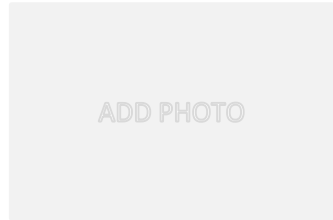
20	Fire Protection	<p>Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 25 or as per Accord standard.</p> <p>Location: Building 1 & 2.</p>	<p>Inspect, test and maintain the standpipe system and keep written records on-site in accordance with NFPA 25 or as per Accord standard.</p>	<p>Within 3 months</p>	
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21	Emergency Egress Lighting	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.</p> <p>Location: Building 1 & 2, Shed 1 & 2.</p>	<p>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.</p>	<p>Within 3 months</p>	
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SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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22	Inspection, testing and maintenance	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months	
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23	Manual On/Off Switch	Manual on-off switch is provided for [emergency lighting / exit signage] units. Location : Buildin 1 & 2, Shed 1 & 2.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 months	
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SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
24	Non-Working Exit Signs	Exit signage not illuminated during testing (burned out, broken, etc.). Location: Building 1 & 2, Shed 1 & 2.	Regularly inspect all exit signage as per Accord standard and replace/install lights as needed to illuminate signs.	Within 1 Month	