

FIRE SAFETY INSPECTION REPORT

MAJUMDER GARMENTS LTD.

ACCORD ID: 12433

ADDRESS: Majumder Center, 113/1, Mudafa Paschim Para, Tongi, Gazipur

Other Factories: None



Inspected By: Md. Mah mudur Rahman & Md. Anayet Hossain
Date: May 19, 2016



Fire Safety Inspection Report

MAJUMDER GARMENTS LTD.

Introduction

MAJUMDER GARMENTS LTD. complex was surveyed for fire safety on 19/05/2016 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): MAJUMDER GARMENTS LTD.

Factory Address: Majumder Center, 113/1, Mudafa Paschim Para, Tongi, Gazipur

Points of Contact:

Ranjit Roy

Group Manager (HR, Compliance & Admin)

Cell: +88 01713 412497, **E-mail:** ranjit@majumder.org

Md. Shafiullah

Factory Manager

Cell: +88 01748 401460, **Email:** shafiullah@majumder.org



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	Finding	Required Action	Remediation Time Frame
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1	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas by fire rated construction Location: Basement	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction. Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating.	Within 03 Months
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Provide defined storage areas and limit the storage arrangement as follows:-

2	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy	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 03 Months
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3	Fire Rated Construction	Unsealed penetrations and openings are located to exit stair Location: N-W Exit stair	Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.	Within 01 Month
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| 4 | Fire Rated Construction | <p>Generator room is not properly separated by fire rated construction with other Occupancies/Areas/egress path</p> | <p>Generator room shall be separated from other occupancies by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should 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>Within 03 Months</p> |
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| 5 | Fire Rated Construction | <p>Fire pump room & Compressor room is not separated between each other and also with storage rooms/areas</p> <p>Location: Basement</p> | <p>Pump & Compressor room shall be separated from other occupancies by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should 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>Within 03 Months</p> |
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Fire Rated Construction

The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.

The factory has installed fire rated doors but doors are not tied with fire alarm system. Documents related to fire rating of door assemblies has not been checked during inspection.

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 03 Months



7	Egress	Collapsible/sliding/shutter type doors have provided along means of egress	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.	Within 01 Month
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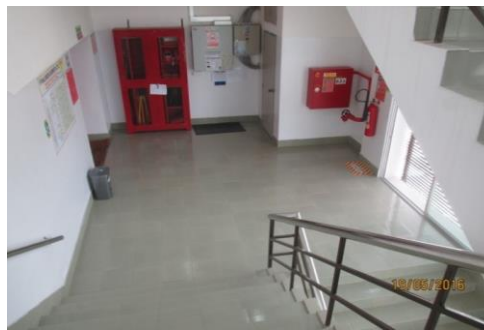
8	Egress	Doors along means of egress are provided with non compliant locking system	1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediate
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| 9 | Egress | <p>[Exit stair door / egress door serving 50 or more occupants] does not swing in the direction of egress travel.</p> <p>Location: Roof</p> | <p>Modify the egress door to swing in the direction of egress travel.</p> | <p>Within 01 Month</p> |
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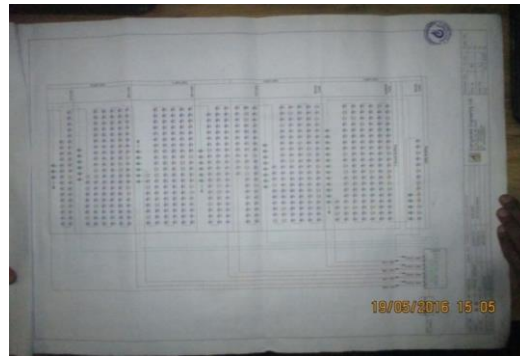


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| 10 | Egress | <p>Electrical panels are located in the exit stair</p> <p>Location: N-W exit stair</p> | <p>Remove all electrical panels from exit stair to safe location.</p> | <p>Within 03 Months</p> |
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| 11 | Fire Alarm & Detection System | <p>The addressable fire alarm system installation is going on without approval from AHJ.</p> | <p>Submit As-Built drawing to AHJ for approval and replace or modify the fire alarm system in accordance with NFPA 72.</p> | <p>Within 2 Months (Design submission) & 6 Months (Installation)</p> |
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| 12 | Fire Alarm & Detection System | Inspection, testing, and maintenance of the fire alarm system | Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard. | Within 03 Months |
| 13 | Water Based Fire protection System | The existing Class III standpipe system has not installed properly and without approval from AHJ | Submit As-Built drawing to AHJ for approval and replace or modify the standpipe system in accordance with NFPA 14. | Within 2 Months (Design submission) & 6 months (Installation) |



- 14 Water Based Fire protection System Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 25 or as per Accord standard. Inspect, test and maintain the standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard. Within 03 Months
- 15 Egress Lighting The factory is keeping inspection, testing and maintenance records of emergency lighting system as per Accord standard but lack of information, data missing has been observed. Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site. Within 01 Month

MAJUMDER GARMENTS LTD.
11/3/1, Madafa Pashim Para, Tongi, Gazipur.

EMERGENCY & EXIT LIGHTING MAINTENANCE INSPECTION CHECK LIST
FOR THE MONTH OF May 2016

LOCATION : 2nd Floor LIGHT NO : EN-2nd-001

Name of Inspector and Designation : Mr. Raju (Electrician)

SL	Description	Yes	No	N/A	Remarks
01	A functional test has been conducted on every required emergency lighting system at 30 day intervals for a minimum of 30 seconds.	☒			
02	An annual test has been conducted on every required battery powered emergency & exit lighting system for not less than 90 minutes. Equipment shall be fully operational for the duration of the test.			☒	
03	Exit signs shall be visually inspected for operation of the illumination sources at intervals not to exceed 90 day.	☒			
04	AC power supply to each emergency & exit light has been disconnected.	☒			
05	Battery backup output voltage and line voltage to remote future has been checked.	☒			
06	Each emergency & exit light and lens has been cleaned if required.	☒			
07	Beam lens been adjusted for proper alignment if required.	☒			
08	Testing label on emergency & exit light and testing log has been placed on the log book.	☒			
09	A minimum illumination level (by emergency light) of 10lux for all corridors, exit doors and at aisles has been checked properly. Aisles shall be provided with a minimum illumination level of 2.5 lux.	☒			

Inspector Name & Sign: (Electrician)

19/05/2016 14:46

- 16 Egress Lighting Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. 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. Within 01 Month

