

# FIRE SAFETY INSPECTION REPORT

**Factory Name: Shad Fashion Limited.**

**ACCORD ID: 12429**

**ADDRESS: Gorat, Zirabo, Ashulia, Savar, Dhaka-1431, Bangladesh.**

**Other Factories: None**



**Inspected By: Raju Ahmed & Shusmita Saha**

**Date: 18 May 2016**

## SUMMARY

Shad Fashion Limited. was surveyed for fire safety on 18/05/2016 by The Accord Inspection Team. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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. 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.






## 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 B (Sample Building).	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	






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2	Fire Rated Construction	Generator/ transformer/Boiler/Compressor room is not properly separated by fire rated construction from the stair which is used for going to the prayer room at south-east corner of the factory premises.	<p>Generator/ transformer room shall be separated from the stair by a minimum 2-hr fire rated construction (wall, floor, slab etc.). 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 prayer room in a safe place.</p>	Within 3 months	 
3	Fire Rated Construction	Areas used for in-process storage (Inspection Goods) of combustible materials are open to the surrounding occupancy. Location: Building A	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	




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4	Fire Rated Construction	Room used for storage of combustible materials (Accessories store & Bonded Ware House) is not separated from the surrounding occupancy (sewing section). Location: Building A.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months	 
5	Fire Rated Construction	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. Location: Building B.	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 2 month	






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6	Fire Rated Construction	The factory is using/ storing liquefied gas cylinder without any separation.	Remove them from the factory building. Or, Provide 2-hr rated room for using/ storing liquefied gas cylinder and ensure proper verification of that room. Source of fire such as electrical connection is prohibited.	Immediate	
7	Egress	Collapsible/ sliding type doors have been provided along means of egress (building exits, along egress routes, exit discharge).	Replace all collapsible/ sliding 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
8	Egress	Doors along means of egress are provided with non compliant locking system	<ol style="list-style-type: none"> <li>1. Remove all non compliant locking features from egress doors.</li> <li>2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</li> </ol>	Immediate	




SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
9	Egress	Landings are not provided on both sides of doors used along the path of egress. Doors do not swing out over stairs. Location: Building B, Mezzanine Floor of Building A.	Provide minimum 36 inch landing on both sides of doors used along the path of egress.	Within 1 month	 
10	Egress	Egress door serving 50 or more occupants but does not swing in the direction of egress travel. Location: Dinning Area.	Modify swing direction of egress doors to the direction of egress travel. Doors serving an occupant load of more than 50 shall swing in the direction (out-ward) of egress travel .	Within 1 month	






SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
11	Egress	Exit capacity is not adequate for the occupant load. Location: dinning Area.	1. Reduce occupant load to not more than available exit capacity. Or 2. Provide additional exits to increase exit capacity.	Immediate	
12	Egress	A single means of exit has been provided. Location: Dining Area. Occupant Load: 300	<p>Basement/Ground floor</p> <p>1. Maintain maximum 50 occupants having a travel distance of 23m (75 ft.). Or Provide additional exit.</p> <p><b>First Floor</b></p> <p>1. Maintain maximum 30occupants having a travel distance of 23m (75 ft.). Or Provide additional exit.</p>	Immediate	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
13	Egress	Handrails are not provided in the exit stair. Location: Building D, Mezzanine Floor in Building A.	Provide handrails on both side of exit stair having a minimum height 34 in.	Within 1 month	

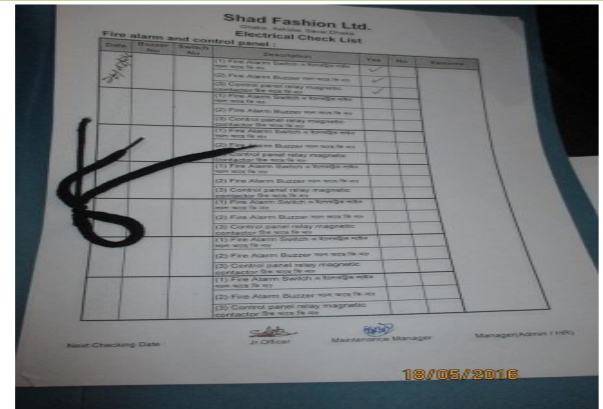


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14	Fire Alarm System	The Required Fire Alarm system is not installed in accordance with the ACCORD standard Or NFPA-72.	Design of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design Submission 2 months and Installation 4 months.	 
15	Fire Alarm System	The fire alarm system does not appear to provide adequate audible notification coverage.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 3 months	




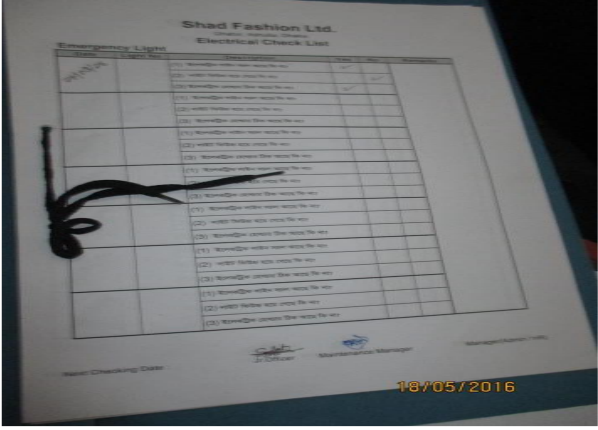
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16	Fire Alarm System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 3 months	
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17	Fire Protection	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	
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SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
18	Emergency 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 3 months	
19	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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20	Directional Sign	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Main Production Building A.	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 1 months	
21	Manual On/Off Switch	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 3 months	
22	Occupant load Sign	Occupant loads are not posted in a conspicuous space near the main exits or exit access doorways as demanded in ACCORD.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 Month	