

FIRE SAFETY INSPECTION REPORT

FACTORY: Bando Eco Apparels Ltd.

ACCORD ID: 22952

ADDRESS: Plot # 188/2, Block- GA, Chanpur, Amin Bazar, Savar, Dhaka 1348, Bangladesh

Google Coordinate: 23.78376, 90.33013

Other Factories: None



Inspected By: Md. Anayet Hossain.

Date: 21/11/2017

Fire Safety Inspection Report

Factory Name: BANDO ECO APPARELS LTD.

Introduction:

BANDO ECO APPARELS LTD. complex was surveyed for fire safety on 21/11/2017 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.



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.

Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	The exit stairs enclosures are not separated from work areas and other spaces on each floor by fire-rated construction(Non rated doors, unsealed penetrations and openings etc.).	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	The exit discharge path serving east exit is less than 10 ft 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	
3	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated. Locations: Various floors.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - 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	Within 3 Months	 



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
4	Fire Rated Construction	The dining room is not separated from [work areas, other spaces] on basement floor by fire-rated construction.	Separate the dining room (ceiling, floor, wall etc.) by 1/2- hr fireresistance rated construction and shall terminate at an exit discharge.	Within 3 Months	
5	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) assemblies by fire rated materials to maintain the fire resistance rating. Or Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 Months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	Storage in Egress Path	Storage was located in the egress paths.	Keep egress path and stair clear of storage.	Immediate	   
7	Storage in Exit Stair	Storage was located in exit stairs.	Remove storage from the exit stairs and egress path	Immediate	 



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
8	No Parapets or Guards	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.).	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 1 Month	
9	Stair Sign & Occupant Load sign	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
10	Handrail	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation. Or, Handrails are not provided at 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 2 months	 
11	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 2 months	
12	Non-Working Exit Signs	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
13	Non-Working 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	
14	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 1 month	
15	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 on-site.	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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Fire Alarm &
Detection System

The addressable fire alarm system installation is going on without approval from AHJ.

Submit As-Built drawing to AHJ for approval and replace or modify the fire alarm system in accordance with NFPA 72.

Within 2 months (Design submission) & 6 months (Installation)



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
17	Fire Alarm & Detection ITM	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	ADD PHOTO



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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Water Based Fire Protection System

The standpipe system installation is going on 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)



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
19	Standpipe ITM	Inspection, testing, and maintenance for the standpipe system is not in accordance with NFPA 14 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	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
20	Fire Pump ITM	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20 or as per Accord standard.	Inspect, test and maintain the fire pump and keep written records on-site, in accordance with NFPA 20 or as per Accord standard.	Within 3 Months	
21	Fire Extinguishers ITM	Inspection, testing & maintenance of portable fire extinguisher is not in accordance with NFPA 10	Inspect, test & maintain the portable fire extinguishers & keep written records on site , in accordance with NFPA 10	Within 1 month	

