

FIRE SAFETY INSPECTION REPORT

Euro Arte Apparels Ltd

ACCORD ID: 12920

ADDRESS: 346, Kabirpur, Ashulia, Savar, Dhaka-1349 (24.00970,90.248152)

Other Factories: None



Inspected By: Safawan Abyaz & Md. Abdul Karim

Date: 28th, November 2017

Fire Safety Inspection Report

Factory Name: Euro Arte Apparels Ltd

Introduction:

Euro Arte Apparels Ltd. complex was surveyed for fire safety on 28th, November 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.



Table-1: Findings And Recommendations

SI No.	Category	Finding	Recommendation	Remediation TimeFrame
F-1	Fire Rated Construction	The existing fire doors have functional problems including missing door co-ordinators & door closers, proper latching & locking is not anticipated, in some cases fire doors were kept open in unacceptable way. The deficiencies observed compromises the exit stair separation from production floors & other areas.	The fire doors need to be closed, latched and locked automatically. Provide door co-ordinators at double leaf doors & door closers where missing. Provide door holding devices tied to the fire alarm system. Fire doors shall be put through proper maintenance. Proper functioning of fire doors is mandatory to separate the stairs for minimum 2-hr.	Within 3 months



F-2	Fire Rated Construction	Unsealed penetrations have been observed at the rated wall of rooms used for combustible storages. Door coordinator is missing at double leaf doors. Door closer is missing in some cases.	Storage rooms shall be separated by minimum 1-hr fire rated construction. Fire doors are required to be ensured to function properly.	Within 3 months
				
F-3	Fire Rated Construction	Unsealed penetration has been observed at the rated wall of generator room. The opening protective is a double leaf door and lacks the door coordinator.	Seal the penetration by a listed fire stop material to maintain fire separation of minimum 2-hr. Door coordinators shall be provided for proper functioning of fire doors..	Within 3 months





F-4	Fire Rated Construction	The North-East exit stair enclosures was not separated from parking areas and and production floor openings at the ground floor by fire-rated construction. r.	The exit stair enclosure shall be separated from any occupancy by a minimum of 2-hr fire resistance rating. Provide 1.5-h rated door where necessary.	Within 3 months
				



F-5	Fire Rated Construction	The dining area is not separated by fire rated construction from production floor.	Separate the dining area by minimum 3-hr fire rated construction. Provide 3-hour fire rated doors at required openings & seal all penetrations.	Within 3 months
				
F-6	Egress	Egress doors /gates with locking features are provided at building exits. All gates were not open and unlocked during the inspection.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately



				
F-7	Egress	Sliding doors are provided at building exits and along egress routes.	Replace all non compliant (collapsible and sliding) doors/gates along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 in accordance with ACCORD standard 6.8.1.	Within 1 month





F-8	Egress	Egress door on the exit discharge serving 50 or more occupants does not swing in the direction of egress travel at ground floor exit discharge.	Modify the egress door to swing in the direction of egress travel and Provide minimum clear height of 2.03 m. in all means of egress.	Within 1 months
-----	--------	---	---	-----------------



F-9	Egress	A maintenance room was located inside the staircase without rated opening. A compressor was located inside the staircase at basement level.	Staircases shall not be used for production or any other occupancy. Staircases shall be free of storages and obstructions.	Within 1 month
				



F-10	Egress	The width of egress aisles is less than 36-inch at 4th floor. Aisle marking is missing at 3rd floor sewing section.	Provide minimum aisle widths of 36-inch. Aisles shall be properly marked along the egress way.	Within 3 months
------	--------	---	--	-----------------



				
F-11	Egress	Building did not have stair designation signs at floor entrances and occupant load signs at required exit stair entrances.	Provide stair designation signs, occupant load signs and emergency evacuation plans at required locations.	Immediately



F-12	Fire Detection & Alarm	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Design and install an addressable fire detection & alarm (Audio & Visual) system replacing the existing one in compliance with NFPA 72 & Accord standard. Submit the design to Accord for review and approval before installation. Upon approval & installation the owner shall contact the Accord prior to conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Design within 4 months, install within 9 months
------	------------------------	--	--	---



F-13	Fire Protection	The existing factory building has an occupied floor greater than 10 meter (33 feet) and is not provided with required standpipe system.	Design & install a new class III standpipe system & fire department (Siamese) connection in accordance with NFPA 14. The standpipe system shall be connected to a dedicated fire pump meeting minimum hydraulic demands of NFPA 14 & Accord standard at the required points. Installation of the fire pump shall be as per NFPA 20. Submit the design to Accord for review and approval before installation. Upon approval & installation the owner shall contact the Accord prior to conducting the final acceptance testing of the standpipe system installation. Also inspect, test and maintain the standpipe system & fire pumps, and keep written records on-site, in accordance with NFPA 14, 20 and ACCORD standards.	Design within 4 months, install within 9 months
------	-----------------	---	--	---



F-14	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 onsite, in accordance with NFPA 10.	Within 3 months
------	-----------------	---	---	-----------------





F-15	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
				



F-16	Egress Lighting	Manual on-off switch is provided for emergency lighting / exit sign units on all floors.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
				
F-17	Egress Lighting	Emergency/exit 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
				



F-18	Egress Lighting	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 3 months
				

