

FIRE SAFETY INSPECTION REPORT

Energypac Fashions Limited (Unit-2)

ACCORD ID: 12888

**Address: Hotapara Bokran Monipur, Bhabanipur, Gazipur, Dhaka.
(24.126654, 90.386293)**

Other Factories: None



Inspected By: Nirmal Chandra Sinha and Zahidul Islam

Date: 11 March 2018

Fire Safety Inspection Report

Factory Name: Energypac Fashions Limited (Unit-2)

Introduction:

Energypac Fashions Limited (Unit-2) complex was surveyed for fire safety on 11 March 2018 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.

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 Time Frame
F-1	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction on production 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 2.45m (8ft.) and maximum area of 23m ² (250 ft ²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m ² (1000 ft ²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
				



F-2	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction on ground and first floors.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
 The first photograph shows a red fire-rated door slightly ajar, revealing a storage area with shelves and boxes. The second photograph shows a long aisle in a warehouse with high metal shelving units filled with cardboard boxes. The third photograph shows a storage area with clothes hanging on racks, with a person partially visible on the right side.				
F-3	Fire Rated Construction	Unsealed electrical shafts (BBT) and jhute dumping duct are located in the fire-rated floor/ceiling assemblies throughout the building.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months





F-4	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr. fire-rated construction. Provide minimum 1.5-hr fire rated doors for buildings that are 4 or more stories. 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. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1.	Within 3 months
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F-5	Fire Rated Construction	Unsealed penetrations and openings (Conveyor belt ground to second) are located in the fire-rated floor and ceiling assemblies.	Provide a minimum 2-hr fire rated shaft to separate the conveyor belt / utility risers from each floor level. Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-6	Fire Rated Construction	2 nos elevator are not separated from work areas and other spaces on each floor by fire rated construction.	Separate the elevator shafts from work place by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
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F-7	Fire Rated Construction	Lift machine room is not separated by fire rated construction from prayer area on 6th floor.	Separate lift machine room from prayer area by a minimum 2-hr fire rated construction. Seal and/or protect all openings to maintain the required fire separations.	Within 3 months
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F-8	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.	Within 1 month
				



F-9	Fire Protection	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit installed addressable fire alarm system as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Design submission within 2 months, install within 4 months (if modification required)
				
F-10	Fire Protection	Inspection, testing, and maintenance for the fire alarm system were not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 1 month (after installation)
F-11	Fire Protection	Automatic sprinkler system installation requires detailed review to confirm compliance accordance with NFPA13, 14, 20 and ACCORD standards.	Submit automatic sprinkler system as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Design submission within 2 months, install within 4 months (if modification required)





F-12	Fire Protection	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system and keep written records on-site, in accordance with NFPA 25.	Within 1 month (after installation)
F-13	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 1 month (after installation)
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
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F-16	Egress Lighting	Exit signage available at all exits but directional signage not provide as required to get the proper guidance during emergency.	Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious.	Within 1 month
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F-17	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
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