

FIRE SAFETY INSPECTION REPORT

EPOCH Garments Ltd.

ACCORD ID: 23921

Dhaladia Bazar, Vawal Rajabari, Sreepur, Gazipur

24.099355, 90.470956

Other Factories: None



Inspected by: Md. Rakibul Alam & Md. Hasibur Rahman Abir

Date: 22 December 2019



Fire Safety Inspection Report

Epoch Garments Ltd.

Summary

Epoch Garments Ltd. complex was surveyed for fire safety on 22 December 2019 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

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings and penetrations. (L-shape building).	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 and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. 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





F-2 Egress

Egress gates on the building with locking features are provided. (All building).

Remove locking features from all egress gates.

Immediately

If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2.



F-3	Fire Rated Construction	Room on the ground floor used for combustible storage is provided with fire doors without accessories.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction with 0.75-hr fire door and required standard accessories.	Within 3 months
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F-4	Fire Rated Construction	Unsealed floor opening is located in the fire-rated floor/ceiling assemblies.	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 by through penetration fire stop system.	Within 3 months
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F-5 Fire Rated Construction

Unsealed penetrations and openings are located in exit stair enclosures and separation walls. (L-shape building).

Seal all penetrations and openings in exit stair enclosure and separation walls to maintain the required fire separation.

Within 3 months



F-6	Fire Rated Construction	Areas on the 2nd floor used for combustible storage open to the factory are not properly defined and/or not within limits.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45m (8 ft) and maximum area of 23 m² (250 ft²). If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²). Separate the areas of unenclosed combustible storage by a minimum clear distance of 3 m (10 ft).	Within 3 months
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F-7	Fire Rated Construction	Storage room at ground floor discharges directly into the exit stair. (L-shape building).	Openings from exit enclosure to storage room, generator and transformer spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the Store, generator, sub-station room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
F-8	Egress	Sliding gates are provided at sample section exits.	Replace all gates, sliding Doors and rolling shutters 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.	Within 1 month





F-9	Fire Protection	The fire alarm and detection system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards. (All building/shed).	Replace the fire alarm and detection system with a new, listed automatic fire alarm and detection system in accordance with NFPA 72 and ACCORD standards.	Design within 4 months Install within 9 months
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F-10	Egress	Exit stairs of L-shape building and east exit of sewing shed do not discharge directly to the outside.	Modify stair to discharge directly outside. Or Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or Provide sprinkler protection for discharge floor in accordance with NFPA 13 meeting Accord 6.17.3.	Within 4 months
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F-11	Fire Protection	Inspection, testing and maintenance of the automatic fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the automatic fire alarm system and keep written records on-site, in accordance with NFPA 72.	Within 12 months
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F-12	Egress	Handrails are not provided on both sides of both 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 3 months
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F-13	Egress	Occupiable roof is not provided with an adequate parapet / guard rail.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months
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F-14	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in the accordance with ACCORD standards. Keep written records on-site.	Within 3 months
F-15	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.	Within 3 months
F-16	Egress	Width of exit stairs is less than 1.5 m (60 in.) (L-shape building).	Provide exit stair minimum clear and unobstructed width of 1.5 m (60 in.) in accordance with Accord standard 6.5.6.2.1.	Within 4 months



F-17	Egress	Width of several exits are less than 1 m (39 in.) (L-shape building and sewing shed)	Provide exit door minimum clear and unobstructed width of 1 m (39 in.) in accordance with Accord standard 6.5.6.1.2.	Within 3 months
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F-18	Fire Protection	No emergency power and lighting was provided in L-shape building.	Provide emergency lighting and power throughout the factory in accordance with Accord standard.	Immediately
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