

FIRE SAFETY INSPECTION REPORT

Eco Fab Ltd.

ACCORD ID: 12492

148-149, N 105, Dhaka Bypass Road, Jogitala, BRRI, Gazipur Sadar

Google Coordinate: 23.9723574,90.3930536

Other Factories: None



Inspected By: Raju Ahmed, Kazi Raian Mahmood

Date: 27 November, 2016

Fire Safety Inspection Report

Factory Name: Eco Fab Ltd.

ADDRESS: 148-149, N 105, Dhaka Bypass Road, Jogitala, BRRI, Gazipur Sadar.

Summary:

Eco Fab Ltd. was surveyed for fire safety on 27th November 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 :

The below table 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
F-1	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy (Location: Ground floor warehouse and accessories store).	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
				



F-2	Fire Rated Construction	The exit stair 1 & 2 are not fully separated from [work areas, other spaces] on each floor by fire-rated construction at all floors of building 1. The Fire rated glass wall used needs proper Third party certification.	Stairs shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 1.5-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, positive latching and that they are provided with fire exit (panic) hardware where serving production floors.	Within 3 months
 				
F-3	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. (Location: Utility riser at South west side of the building at dinning area of 3rd floor of Building 1)	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. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor.	Within 3 months





F-4	Fire Rated Construction	Fire Pump room is not properly fire separated from the exit passageway and Sub-station room by fire rated construction. (Location: Ground floor and basement of Building 4)	Separate the pump room by a minimum 2-hr fire-rated construction to separate it from the exit passageway and Sub-station room. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer.	Within 3 months
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F-5	Fire Rated Construction	Elevator shaft is not separated from the production floor by proper fire rated construction (openings, non-rated doors) Location: Near Stair 1 & 2 inside all the production floor of Building 1	Provide a minimum 2-hr fire rated elevator shaft to separate it from each floor. Seal and/or protect all openings to maintain fire separation.	Within 3 months
 				
F-6	Fire Rated Construction	The exterior exit stair is not separated from the building. Location: Stair 5 of Building 1 (Production Building) and Building 3 (Utility Building)	Exterior exit stairs shall be separated by minimum 2-hr fire-rated construction and The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair structure. Provide minimum 2-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, 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	Within 3 months





F-7	Fire rated Construction	Boiler or furnace room is not properly separated by fire rated construction with the exit stair discharge and other occupancies. Location: Ground Floor, Utility Building	Boilers or other heat producing equipment shall be separated from other occupancies by a minimum 1-hr (2-hr for high-rise building) fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) 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. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
 				
F-8	Fire Rated Construction	Diesel Fuel Storage was found in the Generator room of the Building 3 (Utility Building)	Remove the diesel fuel storage from the generator room or provide minimum 2 hour Fire rated separation	Within 3 months





F-9	Egress	Egress doors/gates with locking features not complying with NFPA 101 are provided at rooftop of Building 1.	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA 101.	Immediate
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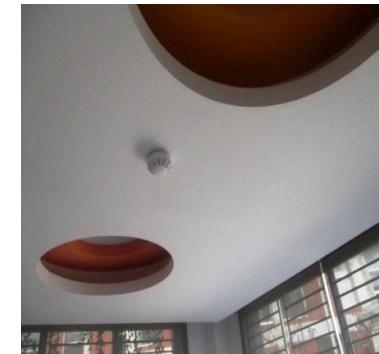


F-10	Egress	Egress discharge pathway of stair 5 of Building 1 is obstructed by Stair 4	Provide safe & obstruction free egress discharge pathway	Within 3 months
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F-11	Fire Detection System	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards	Submit drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification shall have to done as per the reviewed design (if required)	Design within 2 month; Modification of the system (if required) within 6 months
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F-12	Fire Protection System	Existing 4 story non-rated building having floor area more than 2000 sqm (22000 sft) is not protected with an approved automatic sprinkler system and requires detailed review to confirm compliance with NFPA 13 and ACCORD standards	Provide an automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
				

