

FIRE SAFETY INSPECTION REPORT

Factory Name: ALIB COMPOSITE LTD.

ACCORD ID: 23977

ADDRESS: Vannar, Mouchak, Kaliakoir, Gazipur.

Other Factories: N/A



**Inspected By: Mohd. Atick Al Zaman, Zahidul Islam & Shahina Imam,
Date: 17 February 2020**

Fire Safety Inspection Report

Factory Name: ALIB COMPOSITE LTD.

Introduction:

ACCORD ID: 23977

ALIB COMPOSITE LTD was surveyed for fire safety on 17th February, 2020 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 :

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:

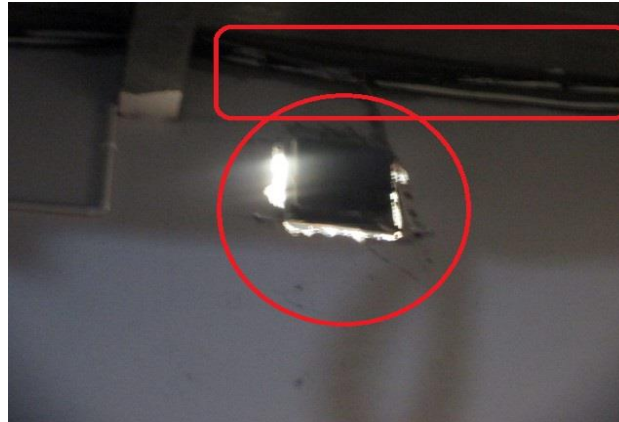
SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire-Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction.	Stair shall be enclosed with a minimum 1-hr fire-rated construction. Seal all unprotected openings and provide minimum 3/4 -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 alarm system.	Within 3 months





2	Fire-Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas at the ground floor of the factory building.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1-hour construction.	Within 3 months
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3	Fire-Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy on Cutting Section of First floor of the building.	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. 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. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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4	Fire-Rated Construction	The Boiler, transformer and compressor were not fire separated from other occupancies at the ground floor.	Separate Boiler, Compressor from each other by fire rated construction with required rating as 1-hr for compressor and Boiler. Opening protection shall be 45 minutes for 1-hr fire separation. When located to the exterior of a building, 3m (10 ft.) separation is required.	Within 3 months
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5	Fire Rated Construction	All exit stairs (South-West & South-East) discharge to the interior of the building.	1. Modify stair to discharge directly outside.Or 2. Provide 1-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).Or 3. Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 3 months
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6	Fire-Rated Construction	Unsealed penetrations and openings are located at Bounded wear house of Ground floor and other occupancies. And Also at stair enclosure due to non-rated opening.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation. Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation as per Accord standard 6.3.1.3.	Within 3 months
 				



7	Egress	Doors along means of egress are provided with non compliant locking system.	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2. and NFPA 101.	Immediately



8	Egress	Storage was observed inside exit stair enclosure	Remove all storage from exit stair enclosures.	Immediately
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9	Swing direction	Exit doors at ground floor serving 50 or more occupants does not swing in the direction of egress travel.	Modify the egress door to swing in the direction of egress travel.	Within 1 month
				



10	Parapets or Guards	Parapets or guards are not provide in occupiable roof.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 1 month
				
11	Fire-Detection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Design within 3 months and installation with 6 months





12	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Within 1 month
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13	Emergency 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 1 month
14	Gas Cylinder	Gas cylinder has been found at ground floor.	Removed all kind of cylinder from factory build.	Immediately



15	Fire-Rated Construction	RMS room were not fire separated from other occupancies at the ground floor.	Separate the RMS room 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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16	Exit Sign	Exit signage not illuminated during testing (burned out, broken, etc.).	Regularly inspect all exit signage as per Accord standard and replace/install lights as needed to illuminate signs.	Within 2 months
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17	Inspection, testing, and maintenance	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 and ACCORD standards.	Within 2 months
18	Inspection, testing, and maintenance	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 2 months



19	Inspection, testing, and maintenance	Inspection, testing and maintenance for the fire alarm system is 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 and ACCORD standards.	Within 1 month (after installation)
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