

FIRE SAFETY INSPECTION REPORT

Factory Name: Pakiza Knit Composite Ltd.- New Building

ACCORD ID: 23948

ADDRESS: A-1/5, Mojidpur (Boro-boli meher), Savar, Dhaka-1340

Other Factories: N/A

Google Co-ordinator: 23.841542, 90.258348



Inspected By: Mohd. Atick Al Zaman, Shahina Imam, Md. Hasibur Rahman Abir

Date: 5 January 2020

Fire Safety Inspection Report

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Introduction:

ACCORD ID: 23948

Pakiza Knit Composite Ltd.- New Building was surveyed for fire safety on 5th January, 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 **(Main building and Sub-station building)** 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, other spaces] on each floor by fire-rated construction. Location: Main building and Sub-station building	Stair 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. 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. Location: 1st floor.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1-hour construction.	Within 3 months
 				



3	Fire-Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Ground floor	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
				



4	Fire-Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed. Location(s): BBT and steam line	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 3 hr) assemblies by third-party certified 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 if required.	Within 3 months
				
5	Egress	Exit capacity is not adequate for the occupant load. Location: 4th floor	1. Reduce occupant load to not more than available exit capacity. Or 2. Provide additional exits to increase exit capacity.	Immediately



6	Egress	The occupiable roof was not provided with an adequate guard rail.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 2 months
				
7	Egress	Handrails are not provided on both side and the height one handrail is less than 34 inch. which may pose as a falling hazard during evacuation.	Provide handrails on both sides of the exit stair. 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





8	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
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9	Egress	Width of aisles is less than 0.9m (36-in.).	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months
				
10	Egress	Each exit stairs serve more than 5 stories and do not have required re-entry provisions.	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
11	Egress	Building did not have stair designation signs at required locations.	Provide stair designation sign at at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door.	Within 1 month



12	Egress	Building did not have occupant load signs at required locations.	Post the occupant for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month
13	Egress	Storage was observed inside exit stair enclosure	Remove all storage from exit stair enclosures.	Immediately
 				
14	Egress lighting	Exit sign not provided at exit.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month



15	Fire-protection	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 month
16	Fire-protection	The existing high-rise building with an occupiable floor greater than 23 m (75 ft) above the finished grade is not protected with an approved automatic sprinkler system.	Provide an automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 3 months and installation within 6 months
17	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





18	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
19	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
20	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)



21	Inspection, testing, and maintenance	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards.	Within 1 month (after installation)
22	Inspection, testing, and maintenance	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 and ACCORD standards.	Within 1 month (after installation)

