

FIRE SAFETY INSPECTION REPORT

S.B. Knit composite (6 storied Dyeing & Printing)

ACCORD ID: 23338

**Address: Delpara, Fatullah, Narayanganj.
(23.671036, 90.484974)**

Other Factories: None



Inspected By: Nirmal Chandra Sinha and Md. Jobaid Ul Islam

Date: 15 October 2018

Fire Safety Inspection Report

Factory Name: S.B. Knit composite (6 storied Dyeing & Printing)

Introduction:

S.B. Knit composite (6 storied Dyeing & Printing) complex was surveyed for fire safety on 15 October 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 several 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 first floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
 				



F-3	Fire Rated Construction	Hazardous materials / flammable liquid storage area is not separated by fire-rated construction due to openings, nonrated doors from the factory floor on the ground, 2nd & 4th floors.	Separate the hazardous materials / flammable liquid storage room 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-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 are located in south-east & north-east exit stair enclosure throughout the building.	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
 				



F-6	Fire Rated Construction	The south-west and north-east exit stairs directly discharge inside the building on ground floor.	Modify the exit discharge directly to outside. Or Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
		 		
F-7	Egress	Sliding doors are provided at building exits and along egress routes.	Replace all collapsible and sliding doors 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 in accordance with ACCORD standard 6.8.1.	Within 1 month





F-8	Egress	Egress doors with locking features are provided along egress routes. Egress gates with locking features are provided at building exits, exit stairs and exit discharge on ground floor. All doors were not open and unlocked during the inspection.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately
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F-9	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-10	Egress	Storage was located in the exit stair enclosure on ground floor.	Remove all storage from exit stairs and egress paths.	Immediately





F-11	Egress	The width of egress aisles is less than 36-inch on several floors.	Provide minimum aisles width of 36-inch.	Within 3 months
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F-12	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-13	Fire Detection	The fire alarm system is antiquated and does not provide alarm and notification features consistent with acceptable standards.	Replace / Install the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design submission within 2 months, install within 9 months



F-14	Fire Detection	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-15	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 in Accordance with NFPA 72.	Within 6 months





F-16	Fire Protection	The required standpipe system is not installed in accordance with the ACCORD standard.	Install a new listed standpipe system in accordance with ACCORD standard 5.4 and NFPA 14 & 20. A class III system shall be installed in buildings with the highest occupiable floor 10 m (33 ft.) above grade or more. A class I system shall be permitted in buildings protected throughout by an approved automatic sprinkler system.	Design submission within 2 months, Install within 9 months
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F-17	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 1 month (after installation)
F-18	Fire Extinguisher	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-19	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





F-20	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-21	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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