

FIRE SAFETY INSPECTION REPORT

S. Suhi Industrial Park Ltd.(New Building)

ACCORD ID: 23153

**Hazi Liakot Mir Road, Zamgora, Ashulia, Savar, Dhaka-1349
(23.935285, 90.289514)**

OTHER FACTORY: None.



Inspected By: Anayet Hossain.

Date: 04 February, 2018

Fire Safety Inspection Report

S. Suhi Industrial Park Ltd.(New Building)

Introduction:

S. Suhi Industrial Park Ltd.(New Building) was surveyed for fire safety on 04/02/2018 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.

Limitations:

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.



General Building Information

Factory Building name(s): 1. Sweater Building (Building-1; Under Construction)
2. Dining and Warehouse (Building-2; Under Construction)
3. Utility Building (Under Construction)
4. Single Stories Auto Placket, Medical and Part Winding Shed
5. Single stories Child care, Office-yarn, Maintenance and Embroidery Shed
6. Single stories Soft Winding and General Store Shed
7. Single Stories Jhut Storage Shed
8. Single Stories Hanks Winding Shed

Factory Address: Hazi Liakot Mir Road, Zamgora, Ashulia, Savar, Dhaka-1349

Points of contact:

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Findings & Recommendations :

Following 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
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. Location: Building-1 (Sweater Building), Building-2 (Dining & Wearhouse)	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. 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





2	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction properly. Location: Ground Floor (Building-1 &2, Shed-general store, embroidery store), 3rd floor (Building-1)	Provide dedicated storage room separated by minimum 1-hr fire-rated construction.	Within 3 months
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3	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Location: Building-1 (Sweater Building-All Floor)	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 2.4m and maximum area of 23m2 - 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.	Within 3 months
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4	Egress	Collapsible gates/sliding doors/rolling shutter doors are provided at [building exits, exit stairs, along egress routes, exit discharge]	Replace all collapsible gates/ sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Within 1 month
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5	Egress	Egress doors/gates with locking features not complying with NFPA101 are provided at [building exits, exit stairs, along egress routes, exit discharge]	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101. OR 1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediate
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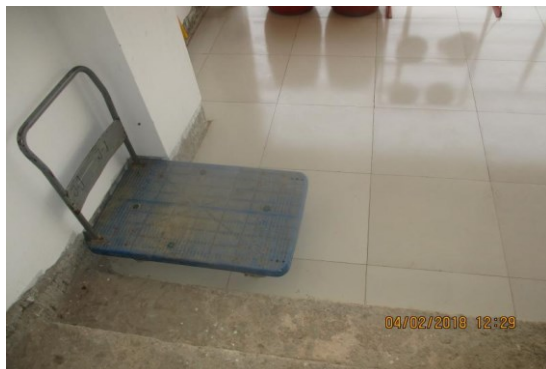




6	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: Building-1(Sweater) & Building-2 (Dining/Wearhouse).	Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
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7	Egress	Exit capacity is not adequate for the occupant load (485 persons). Location: Sweater Building: 2nd Floor.	Reduce occupant load to not more than available exit capacity. Provide additional exits in the future to increase exit capacity.	Immediate
8	Egress	Storage was located in exit stairs.	Remove storage from the exit stairs and egress path	Immediate



9	Egress	Storage was located in the egress path. Location: Sweater Building: 1st & 3rd floors.	Keep egress path and stair clear of storage.	Immediate
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10	Egress	The width of egress aisles is less than 36-in. Locations: Sweater Building: Ground, 1st & 3rd floors.	Provide minimum aisle widths of 36-in.	Within 3 months
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11	Egress	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation. Or, Handrails are not provided at exit stairs. Locations: Building-1 (Sweater Building) & Building-2 (Dining & Warehouse)	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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12	Egress	Common path of egress travel exceeds 23 meter. Location: Building-2 (Dining & Warehouse): Ground floor (Yarn warehouse)	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23 meter.	Within 3 months
13	Fire Detection and Alarm System	The fire detection and alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire detection system with a new, listed addressable fire detection system in accordance with NFPA 72.	Design within 4 months, Install within 9 months



14	Fire Detection and Alarm System-ITM	Inspection, testing, and maintenance (ITM) for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months (After complete installation)
15	Fire Protection	The existing building has an occupied floor greater than 10 meter (33 feet) and is not provided with standpipe protection. Location: Building-1 (Sweater Building)	Install a new class III standpipe system & fire department connection in accordance with NFPA 14. A class I system shall be permitted in buildings protected throughout by an automatic sprinkler system.	Design within 3 months, Install within 6 months
16	Standpipe System-ITM	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	Within 3 months (After complete installation)
17	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month



18	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed	Within 1 month
				
19	Egress Lighting	Manual on-off switch facility available for emergency lights/exit signs.	Remove manual on/off switches from emergency lighting units/ exit signs to prevent them from being switched off.	Within 1 month
				



20	Egress Lighting	Based on the number and location of emergency lights/exit signs 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
 				

