

FIRE SAFETY INSPECTION REPORT

SOORTY TEXTILES (BD) LTD.

ACCORD ID: 12064

**1, PLOT NO. 220-227, COMILLA EPZ, OLD AIRPORT
AREA, COMILLA-3500**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

March 14, 2015

SUMMARY



Soorly Textiles (BD) Ltd. was surveyed for fire safety on 3/14/2015 by Jensen Hughes. 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.

Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Storage rooms discharge directly into east and west exit stair enclosures on the ground floor.	<p>Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings.</p> <p>Provide a 1 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.</p>	Within 3 months
<div style="display: flex; justify-content: space-around;">   </div>				
F-2	Fire Rated Construction	Electrical panels were located in the north exit stair enclosure.	Remove and re-locate all electrical panels from exit stair enclosures.	Within 3 months



F-3	Fire Rated Construction	Hazardous materials and flammable liquid storage area is not separated by fire-rated construction due to openings and non-rated doors on the ground floor.	Separate the hazardous materials and flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and protect all openings to maintain the required fire separations.	Within 3 months
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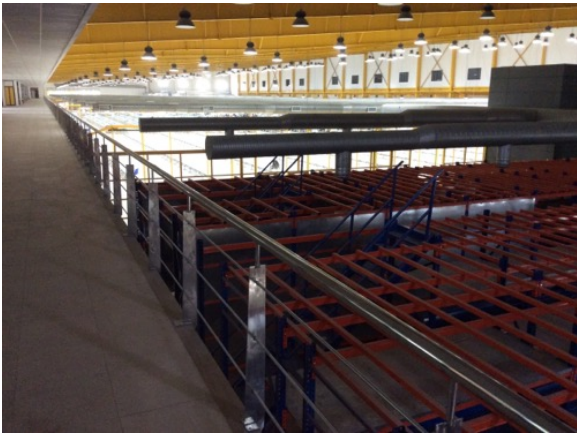


F-4	Fire Rated Construction	The industrial dryers are not separated by fire-rated construction on the ground floor.	Separate the industrial dryer area by a minimum 2-hr fire-rated construction. Seal and protect all openings to maintain the required fire separations. Provide proper ventilation and consult with a qualified engineer.	Within 3 months
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F-5	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire-rated construction on the ground floor.	<p>Provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²) <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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F-6	Fire Rated Construction	Rooms used for combustible storage are not separated by fire-rated construction on ground, first and mezzanine floors.	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²) <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
				
F-7	Fire Rated Construction	Existing atrium in factory connecting two stories is not properly protected.	Provide proper fire protection in accordance with ACCORD standard 3.7.	Within 6 months



F-8	Egress	Building did not have stair designation signs at the floor entrances. Building did not have occupant load signs and emergency evacuation plans at exits.	Provide stair designation signs, occupant load signs and emergency evacuation plans at required locations.	Immediately
F-9	Egress	Exit capacity (702) is not adequate for the designed occupant load (2082) on the second floor.	Do not exceed the occupant load more than available exit capacity (702). Provide additional exits in the future to increase exit capacity.	Immediately
F-10	Egress	Egress doors with locking features are provided at building exits, exit stairs and egress routes. Egress gates with locking features are provided at building exits and along egress routes. All gates and 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



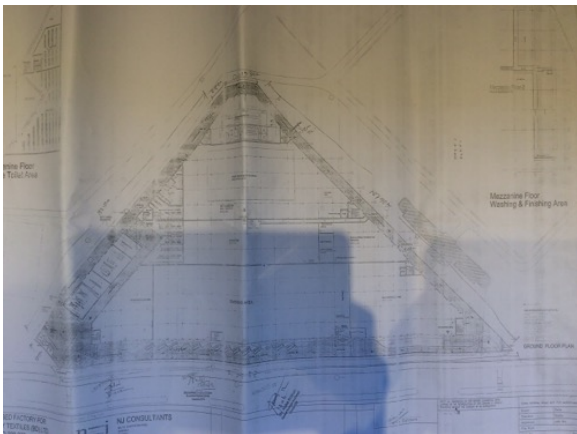
F-11	Egress	Storage was located in the egress path on the ground floor.	Keep egress paths and stairs clear of storage.	Immediately
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F-12	Egress	Sliding doors are provided along egress routes and exit discharges.	Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.	Within 1 month
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F-13	Egress	Common path of egress travel exceeds limit on the ground floor.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23 m (75 ft.) or 30 m (100 ft.) when complete sprinkler protection is provided.	Within 3 months
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F-14	Egress	Dead-end aisles exceed 15 m (50 ft.) on ground and first floors.	Reconfigure the egress arrangement to reduce the maximum dead-end distance to not more than 15 m (50 ft.).	Within 3 months
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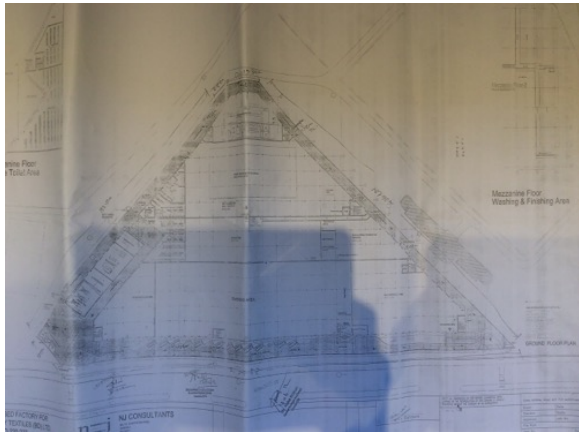
F-15 Egress

Travel distance of egress exceeds limit on the ground floor.

Reconfigure the egress arrangement or provide an additional exit to reduce the maximum travel distance to not more than:

Within 3 months

45 m (150 ft.) or 60 m (200 ft.) when a complete automatic fire alarm, portable fire extinguishers, and standpipe are present or 122 m (400 ft.) when a complete automatic sprinkler system, automatic fire alarm, portable fire extinguishers, and standpipe are present.



F-16	Fire Protection	Existing building greater than 2 stories with non-rated construction shall not exceed 2000 m ² (22,000 sq. ft.) per floor unless automatic sprinkler protection is provided throughout.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
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F-17	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 months
F-18	Fire Protection	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.	Within 3 months
F-19	Fire Protection	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.	Within 3 months
F-20	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 3 months
F-21	Fire Protection	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.	Within 3 months
F-22	Fire Protection	Fire pump did not meet ACCORD standard 5.5.1 and 5.5.1.1.	Update current fire pump or provide a new fire pump that meets ACCORD standard 5.5.	Within 6 months



F-23	Egress Lighting	Exit signage was not provided at building exits and exits from factory floors in readily visible locations.	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
F-24	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
F-25	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on factory floors and exit stairs.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months