

FIRE SAFETY INSPECTION REPORT

LIBAS TEXTILES LTD. New building

ACCORD ID: 23646

Nishchintapur, Mouchak, Kaliakoir

Other Factories: Libas Textiles Ltd. (AID: 9500)



Inspected By: A N Faisal Ahmed & Md. Hasibur Rahman Abir

Date: 10 July 2019 & 05 August 2019

Introduction:

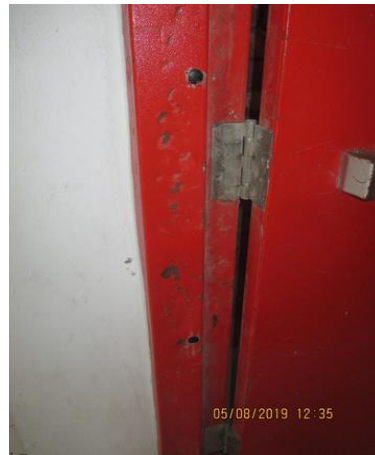
LIBAS TEXTILES LTD. New building complex was surveyed for fire safety on **10 July 2019 & 05 August 2019** by The Accord Inspection Team. The purpose of the survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by 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. Findings & Recommendation:

Findings & Recommendation:

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	<p>The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.</p> <p>Fire doors are not properly functional, not properly latched & found open by external means and Unsealed penetrations and openings are located in exit stair enclosures.</p>	<p>Provide 2-hr rated exit stair enclosure. If fire door is required, provide minimum 1.5-hr listed fire-rated doors and 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 & properly latching and that they are provided with fire exit (panic) hardware where serving production floors.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.</p>	Within 3 months



2	Fire-Rated Construction	Areas used for in-process storage of combustible materials are observed in an unplanned manner. Location: building#3: 3rd floor	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m ² . 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 93m ² . 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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<p>3</p>	<p>Fire-Rated Construction</p>	<p>Prayer area is not separated from other occupancies with fire rated assemblies. Location: Building#4: 3rd floor, 4th floor</p>	<p>Re-locate the prayer area or separate the prayer area from other occupancies with 2-hr fire rated construction & Provide required exits that lead directly to the street or exit stairwell or leading to a separated corridor or open space.</p>	<p>Within 3 months</p>
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4	Fire-Rated Construction	Penetrations through floor/ceiling (building expansion joint) are not properly sealed.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by third-party certified fire rated materials (installation shall be as per manufacturer & certification body guideline) to maintain the fire resistance rating.	Within 3 months
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5	Fire-Rated Construction	The exterior exit stair is not properly separated from the building. Location : Building 4	Exterior exit stairs shall be separated from the building with a rating requirement of 1 hr. fire rating for 3 or fewer stories or 2 hr. fire rating for 4 or more stories. The rating of the exterior wall shall extend 3.05 m (10ft) beyond the ends of the stair structure.	Within 3 months
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6	Egress	The egress path along means of egress has interrupted by obstruction/storage. Locations: Shed 04, Shed 02, building 03, Batch store shed.	Means of egress shall be maintained continuously free and clear of all obstructions/storage.	Immediately
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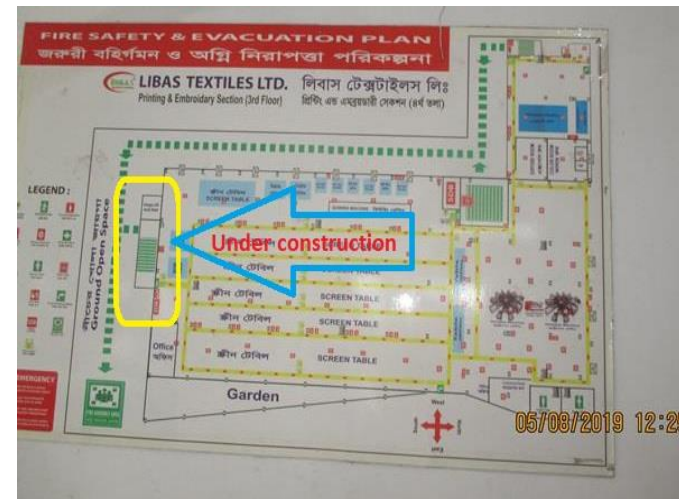
7	Egress	The width of egress aisles is less than 36-in. Location: Shed 02 (Worker Dining), B # 03	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 1 month
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8	Egress	Doors along means of egress are provided with non compliant locking system. Location: Yarn store shed, Finishing accessories store shed, Leftover store shed, building 03, building 04.	Remove non-complaint 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.	Immediately
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9	Egress	Common path of egress travel exceeds the standard limit. Location: building 03	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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10	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: on most of the structures.	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 2 months
				

11	Egress lighting	Manual on-off switch is provided for (emergency lighting / exit signage) units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
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<p>12</p>	<p>Fire Detection and Alarm System</p>	<p>The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified.</p>	<p>Submit the Addressable Fire Detection and Alarm system design to ACCORD for review and modify the addressable system as per the recommendation. Upon approval & modification (if required) the owner shall verify fire alarm & detection system by ACCORD for final acceptance. The equipment shall be listed and approved 3rd party certified. The installation shall be as per NFPA -72.</p>	<p>Design within 01 Month & Installation/modification Within 03 Months</p>
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<p>13</p>	<p>Fire Protection</p>	<p>The highest occupied floor of existing building is more than 10 m (33 ft.) above grade where standpipe system is mandatory and factory has installed Class-III standpipe system which is required to be verified.</p>	<p>Submit the standpipe system design to ACCORD for review and modify the standpipe system as per the recommendation. Upon approval & modification (if required) the owner shall verify standpipe system by ACCORD for final acceptance.</p> <p>The equipment shall be listed and approved 3rd party certified. The installation shall be as per NFPA-14, 20, 22 and 24.</p>	<p>Installation/Modification Within 03 Months</p>
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14	Fire-Rated Construction	Duct penetration is observed connecting multiple floors & store shed due to material transportation at building 01 & building 02.	Duct penetration shall be protected with listed fire dampers. Damper shall be 1.5 hr. rated damper when located in 2hr or less fire resistance rated assembly . Damper shall be 3hr rated damper when fire resistance rated assembly is 3hr or more. Or Remove the duct .	Within 3 months
				

15	Fire-Rated Construction	The air compressor room is not separated by fire rated construction due to penetration with shed 01.	Separate the air compressor room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations	Within 3 months
 <p>10/07/2019 13:44</p>		 <p>10/07/2019 13:30</p>		

16	Egress Lighting	Building # 04, 3rd floor packing area 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.
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17	Egress	South - east exit discharge path of yarn store shed was found uneven & not usable.	Level exit path to the public way & make it usable by providing slab on drain line.	Within 3 months.
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18	Fire rated construction.	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: Batch store shed	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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19	Egress	<p>Exit capacity is not adequate for the occupant load.</p> <p>Building-3: exit capacity is 381 for 1st, 2nd and 4th floors but occupant load was 485, 490 and 475 respectively.</p> <p>Building-4: Exit capacity is 514 for 1st, 2nd and 3rd floors but occupant load was 577, 583 and 580 respectively.</p>	<p>Reduce occupant load to not more than available exit capacity immediately and/or add another stair to satisfy the capacity or provide automatic sprinkler system throughout the buildings.</p>	Immediately
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