

FIRE SAFETY INSPECTION REPORT

LZ TEXTILES LTD

ACCORD ID: 12112

**DEWALIABARI, KONABARI, GAZIPUR SADAR,
GAZIPUR DISTRICT 1346, DHAKA**

OTHER FACTORIES: ORIENT ALLURE LINGERIE LTD



ACCORD
on Fire and Building Safety in Bangladesh

February 6, 2015

SUMMARY

LZ Textiles Ltd was surveyed for fire safety on 2/6/2015 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	Areas used for combustible storage open to the factory are not separated by fire-rated construction. This was observed in the finishing area on the ground floor.	Provide defined storage areas and limit the storage arrangement as follows: - 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) 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. This pertains to the west side of the factory on the ground floor. The storage rooms are not properly separated from the egress corridor that serves them. For example, see open soffits at the top of the storage room walls in attached photo.	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 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-3	Fire Rated Construction	Exit access corridors are not provided with 1 hr. fire resistance rating or approved NFPA 13 sprinkler system. Exit access corridors are located around the perimeter of the storage rooms on the ground floor, west side of factory.	Provide exit access corridors with 1 hr. fire resistance rating or approved NFPA 13 sprinkler system.	Within 3 months
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F-4	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction. This is true for all three exit stairs.	Provide minimum 1-hr rated doors for buildings with 3 or fewer stories and 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.	Within 3 months
			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.	





F-5	Fire Rated Construction	The boiler room is not separated by fire-rated construction due to unprotected penetrations.	Separate the boiler room by a minimum 1-hr fire-rated construction for non-high rise, and 2-hr fire rated construction for high rise. Seal and/or protect all openings to maintain the required fire separations. When located to the exterior of a building, 3m (10 ft.) separation is required. Provide proper ventilation and consult a qualified engineer.	Within 3 months
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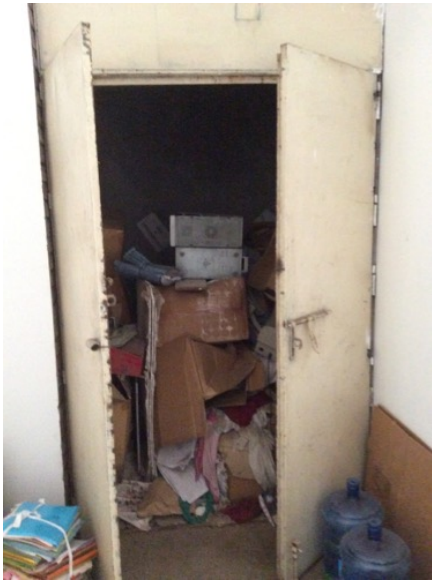


F-6	Egress	Building did not have stair designation signs or occupant load signs at required locations in any of the three stairways.	Provide stair designation signs and occupant load signs at required locations in each of the three stairways.	Immediately
F-7	Egress	Egress doors with locking features are provided at building exits, exit stairs, along egress routes, and at exit discharges. All doors were open and unlocked during the inspection.	Remove locking features from all egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately



F-8	Egress	Storage was located at the base of all three of the exit stairs. The southwest exit stair had open combustible storage. The northeast and northwest exit stairs had small storage rooms with unrated opening protection with significant quantities of combustible storage.	Remove all storage from exit stairs and egress paths. The storage rooms at the base of the northeast and northwest stairs need to be removed.	Immediately
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F-9	Egress	Storage was located in the egress path of the egress court on the south side of the factory. Storage was observed in the egress access corridors on the west side of the factory on the ground floor.	Keep egress paths and stairs clear of storage.	Immediately
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F-10	Egress	Sliding doors, both horizontal and vertical, are provided at building exits, exit stairs, along egress routes, and exit discharges throughout the ground floor, 1st floor and 2nd floor. Also note that there were roll down wire doors separating cutting from sewing on the first floor that are not allowed.	Replace all 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-11	Egress	The day-care room, located on the ground floor, does not meet ACCORD standard 3.4.2.1.1. The two doors need to be replaced with fire doors in order to maintain proper fire separation. The doors open into the exit stair enclosure and the rated exit corridor.	Replace the two doors with fire rated doors in order to create a rated fire separation between the day care space and the storage occupancy.	Within 3 months
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F-12	Egress	Handrails are not provided on both sides of the exit stairs in any of the three exit stairways.	Provide handrails on both sides of the exit stairs. 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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F-13	Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits. This situation occurs in the finishing area on the ground floor. Exiting from the finishing area through the storage area is not allowed.	Provide an additional exit to meet ACCORD standard 6.6.6.	Within 6 months
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F-14	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-15	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-16	Fire Protection	Fire department connection is not provided for the unclassified standpipe system.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months
F-17	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-18	Fire Protection	The required standpipe system is not installed in accordance with the ACCORD standard.	Install a new standpipe system in accordance with ACCORD standard 5.4 and NFPA 14.	Within 6 months
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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.



F-19	Fire Protection	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.	Within 9 months
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F-20	Egress Lighting	Manual on-off switch is provided for exit signage and emergency lights.	Remove manual on/off switches from exit signage and emergency lights to prevent them from being switched off.	Within 1 month
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F-21	Egress Lighting	Exit signage not illuminated.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2 cd/m ² may also be used.	Within 1 month
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F-22	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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