

FIRE SAFETY INSPECTION REPORT

SIRAJGONJ FASHIONS LIMITED

ACCORD ID: 9880

101/1/A BARABAGH, MIRPUR-2, DHAKA.

OTHER FACTORIES: NONE



ACC  **RD**
on Fire and Building Safety in Bangladesh

February 13, 2015

SUMMARY

Sirajgonj Fashions Limited was surveyed for fire safety on 2/13/2015 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	Exit access corridors from the south stair are not provided with 1 hr. fire resistance rating or approved NFPA 13 sprinkler system.	Provide exit access corridors with 1 hr. fire resistance rating or approved NFPA 13 sprinkler system.	Within 3 months



F-2	Fire Rated Construction	The boiler rooms are not separated by fire-rated construction due to openings, non-rated doors and penetrations. Locations: Ground floor 1st floor	Separate the boiler rooms 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-3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire-rated construction. Locations: 2nd floor 3rd floor 4th floor	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 (305ft ²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-4	Fire Rated Construction	Rooms used for combustible storage are not separated by fire-rated construction. Locations: First floor Ground 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 2.45m (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 (305ft ²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-5	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction.	<p>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.</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> <p>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.</p>	Within 3 months
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F-6	Fire Rated Construction	Storage, generator, boiler and transformer areas discharges directly into exit stair enclosure on the ground and first floor.	Openings from exit enclosure to storage, generator, boiler and transformer spaces shall be provided with a vestibule with fire rated construction and openings.	Within 3 months
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Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage, generator, boiler and transformer room side.
Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.





F-7	Fire Rated Construction	The exit discharge path serving the north is less than 3 m (10 ft.) wide and is not separated from the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation.	Within 6 months
			Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	



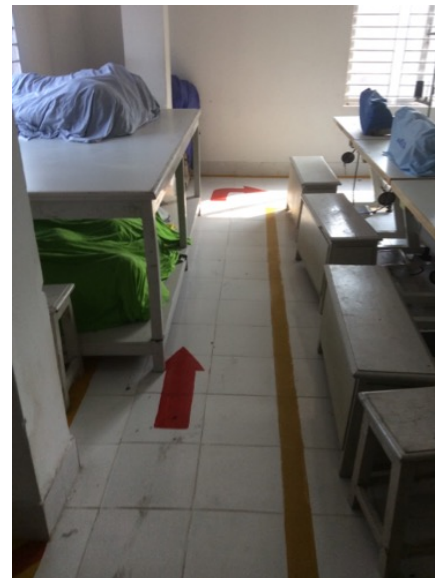
F-8	Egress	Building did not have stair designation signs, occupant load signs and emergency evacuation plans at required locations.	Provide stair designation signs, occupant load signs and emergency evacuation plans at required locations.	Immediately
F-9	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs and exit discharge. All gates and doors were 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-10 Egress Storage was located in the egress path. Keep egress paths and stairs immediately clear of storage.

Locations:
2nd floor
3rd floor
4th floor



F-11 Egress Storage was located in the exit stair. Remove all storage from exit stairs and egress paths. Immediately

Locations:
South Stair



F-12 Egress

Collapsible gates and sliding doors are provided at building exits, exit stairs, and exit discharge.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.

Within 1 month



F-13	Egress	The width of egress aisles is less than 36-in.	Provide minimum aisle widths of 36-in.	Within 3 months
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Locations:
2nd floor
3rd floor



F-14	Egress	Handrails are not provided on both sides of the exit stair.	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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F-15 Egress

The occupiable roof was not provided with an adequate parapet. it was measured to be 30 in. where there were openings.

All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)

Within 3 months



F-16	Egress	<p>Both exit stairs discharge inside the building.</p> <p>The South stairs discharges into a passageway.</p> <p>The North stair discharges into the utility area then to a egress court.</p>	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-17	Fire Protection	The fire alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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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	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	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	Visible and audible notification was not provided for the building in accordance with NFPA 72.	Provide visible audible notification for the building in accordance with NFPA 72.	Within 3 months
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F-23	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-24	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-25	Egress Lighting	Exit signs were placed in areas that were not exits. This was through out the factory from little rooms or offices.	Remove exit signs from noted areas to avoid confusion from actual exits.	Immediately
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F-26	Egress Lighting	Exit signage was not provided on the roof area at exits.	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-27	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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