

FIRE SAFETY INSPECTION REPORT

CHOWGACHA FASHIONS LTD.

ACCORD ID: 11948

**KAYERPARA, CHOWGACHA, JESSORE.
BANGLADESH.**

OTHER FACTORIES: DIVINE POLY-PRINTING



ACCORD
on Fire and Building Safety in Bangladesh

February 13, 2015

SUMMARY

Chowgacha Fashions Ltd. 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	Unsealed penetrations and openings are located in all the exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure doors to maintain the fire separation.	Within 3 months



F-2	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on ground floor and roof top 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-3	Fire Rated Construction	The boiler and compressor room is not separated by fire-rated construction on the utility and welfare building.	Separate the boiler and compressor room by a minimum 1-hr fire-rated construction for non-high rise, and 2-hr fire rated construction for high rise. Seal and 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-4	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire-rated construction 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 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	Rooms used for combustible storage are not separated by fire-rated construction on the first floor and roof top.	<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
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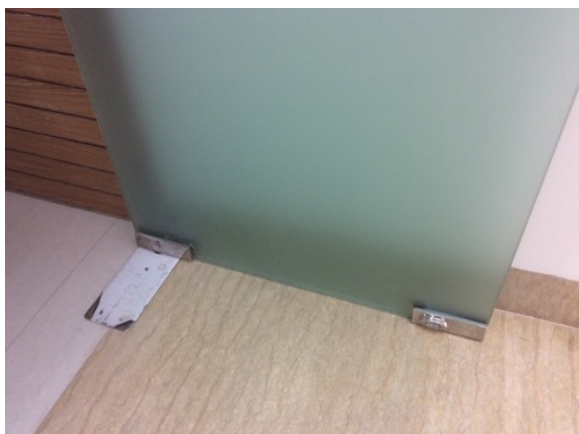


F-6	Fire Rated Construction	Storage room discharges directly into south exit stair enclosure on the roof top.	Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
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F-7	Egress	Building did not have stair designation signs at floor entrances or occupant load signs and emergency evacuation plans at all entrances to the exit stair.	Provide stair designation signs, occupant load signs and emergency evacuation plans at required locations.	Immediately
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F-8	Egress	Egress doors with locking features are provided along egress routes. All doors were not 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
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F-9	Egress	Obstruction was located in the egress path on the first floor.	Keep egress paths and stairs clear of storage and obstruction.	Immediately
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F-10	Egress	Sliding doors are provided at building exits, exit stairs and along egress routes.	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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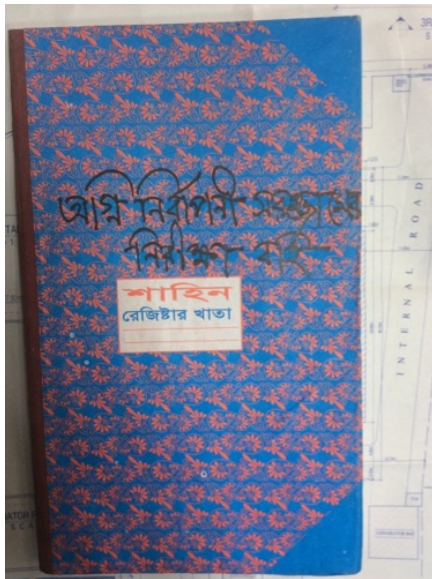
F-11	Egress	The width of egress aisles is less than 36-in. on the second and third floors.	Provide minimum aisle widths of 36-in.	Within 3 months
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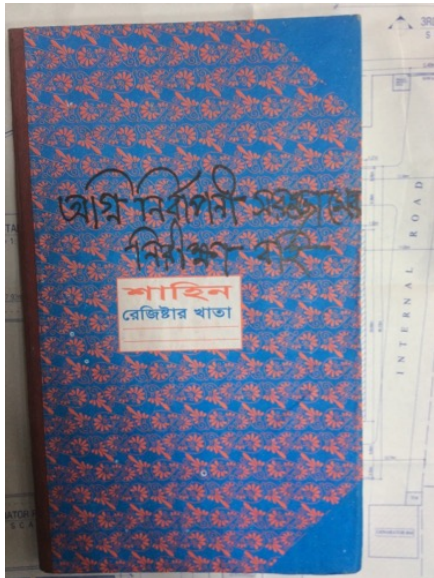
F-12	Egress	Handrails are not provided on both sides of all the exit stairs.	Provide handrails on both sides of the exit stairs. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)	Within 3 months
F-13	Fire Protection	One of the fire alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Replace the manual fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months



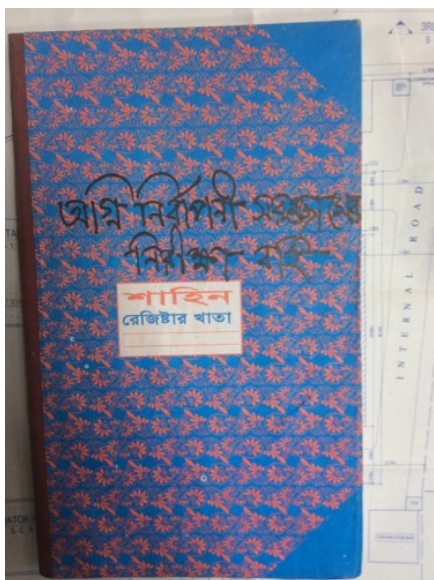
F-14	Fire Protection	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 months
F-15	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-16	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
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F-17	Fire Protection	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months
F-18	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-19	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-20	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-21 Egress Lighting

Exit signs were placed in areas that were not exits on first, second, third and fourth floors.

Remove exit signs from noted areas to avoid confusion from actual exits.

Immediately



F-22 Egress Lighting

Manual on-off switch is provided for emergency lighting units in the north exit stair.

Remove manual on/off switches from emergency lighting and exit signage units to prevent them from being switched off.

Within 1 month

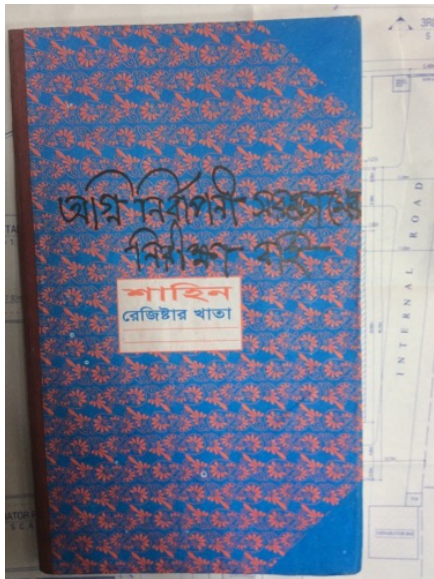


F-23 Egress Lighting

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-24	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on the factory floors.	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
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