

FIRE SAFETY INSPECTION REPORT

HOP LUN APPAREL LIMITED
ST TOWER, 3 NO. DHAKA-MYMENSINGH ROAD, EAST
GAZIPURA, TONGI, GAZIPUR

OTHER FACTORIES: NONE



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

July 19, 2014

SUMMARY

Hop Lun Apparel Limited was surveyed for fire safety on 7/19/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

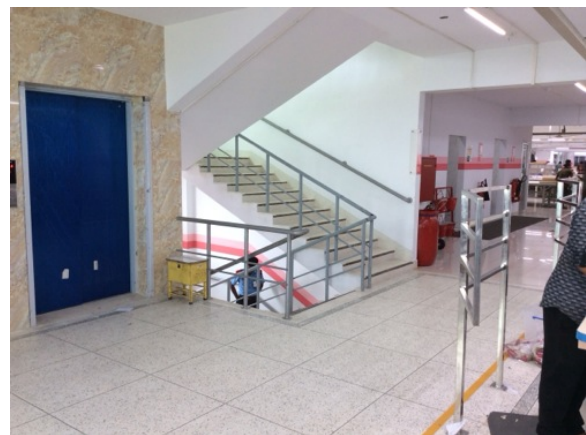
The purpose of this survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The 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	All exit stairs are not separated from work areas on each floor by fire-rated construction. The northern exit stair on all floors was open to factory areas due to unenclosed stairwells	<p>Provide minimum 1.5-hr 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 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



F-2	Fire Rated Construction	<p>Transient storage areas on the ground floor are not separated from the discharge of the northern and western exit stairs. Transient storage areas on the 5th floor are not separated from the adjacent working areas by means of fire-rated construction.</p>	<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 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months
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F-3	Fire Rated Construction	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies on all floors</p>	<p>Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.</p>	Within 3 months
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F-4	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs and exit discharge.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-5	Egress	Storage was located at the base of all the three southern exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-6 Egress

Collapsible gates / sliding doors are provided at all exit stairs, building exits and exit discharges.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.

Within 1 month

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-7	Egress	The northern and western exit stairs discharge inside the building.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
Or				
Provide sprinkler protection for discharge floor in accordance with NFPA 13.				



F-8	Fire Protection	The fire alarm system does not provide alarm and notification features consistent with acceptable standards.	Modify the fire alarm system and ensure all components are in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-9	Fire Protection	The high-rise building has an occupied floor greater than 23m (75 ft) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.	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-10	Fire Protection	Inspection, testing, and maintenance for the fire alarm system were 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-11	Fire Protection	Inspection, testing, and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system, and keep written records on-site, in accordance with NFPA 25.	Within 3 months
F-12	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
F-13	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	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 3 months