

FIRE SAFETY INSPECTION REPORT

CROWN FASHION AND SWEATER INDUSTRY, LTD. PLOT NO. 781-782, VOGRA



ACCORD
on Fire and Building Safety in Bangladesh

March 16, 2014

SUMMARY

Crown Fashion and Sweater Industry, Ltd. was surveyed for fire safety on 3/16/2014 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	The boiler / generator / transformer rooms were not separated by fire-rated construction (openings, non-rated doors, penetrations). Ground floor.	Separate the boiler / generator / transformer rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months





F-2	Fire Rated Construction	The exit stairs are not separated from work areas, and other spaces on each floor by fire-rated construction.	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. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	Within 3 months
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F-3	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-4	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-5	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Throughout building.	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 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-6	Egress	Egress doors / gates with locking features are provided at building exits, and exit stairs. Pad locks on doors were unlocked and open at time of inspection.	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-7	Egress	Storage was located in the egress path.	Keep egress paths and stairs clear of storage.	Immediate
		Several locations throughout building.		



F-8	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
		Several locations.		



F-9	Egress	Collapsible gates / sliding doors are provided at building exits, and exit stairs.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month
		Throughout building.	If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	



F-10	Egress	The width of egress aisles is less than 36-in. Throughout building.	Provide minimum aisle widths of 36-in.	Within 3 months
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F-11	Egress	Common path of egress travel exceeds 30 m. SE corner of building, ground and first floors.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m.	Within 3 months
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F-12	Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits. 3rd, 4th, 5th and 6th floor, SE corner of building.	Provide additional exit.	Within 6 months
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F-13	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-14	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system were not available.	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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