

FIRE SAFETY INSPECTION REPORT

FAME SWEATERS LTD.
CHOITY COMPLEX, 124 DARAIL, SATAISH TONGI,
GAZIPUR



February 20, 2014

SUMMARY

Fame Sweaters Ltd. was surveyed for fire safety on 2/20/2014 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	Unsealed penetrations and openings are located in the exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	3 Months



F-2	Fire Rated Construction	The exit stair is not separated from the work areas, and other spaces, on each floor by fire-rated construction. The stairs open directly into factory areas.	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	The storage room on the fourth floor is not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-4	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Specifically, the storage distribution room on the first, second, and third floor, the makeshift storage room on the ground floor, and the general store on the fourth floor. Storage was also observed to be open to production floors in the fourth floor spinning section and the third floor quality control area.	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-5	Fire Rated Construction	Unsealed penetrations and openings to the interior of the building are located in fire-rated wall assemblies in the fourth floor storage room.	Seal all penetrations and openings to the interior of the building in wall assemblies to maintain the fire rated separation.	Within 3 months
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F-6	Egress	The sliding exit doors leading to exit access via the exterior staircase on the west side of the building are labeled with signage stating "not for evacuation." This stair is a required exit.	Remove signage stating "not for evacuation" from all sliding exit doors leading to exit access via the exterior staircase.
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F-7	Egress	The exterior exit staircase on the west side of the building discharges to a balcony on the ground floor level. From this discharge location there is only one path of travel along the balcony on the north side of the building with a minimum width of 20 in. along the path of travel.	Clear all debris from the east and west side of the building on the ground floor so that there are two available paths of travel from the rear exterior staircase discharge. Remove the protruding metal hazards on the north side of the ground level exterior balcony so that an additional 4 in. of width is provided along the path of travel.	3 Months
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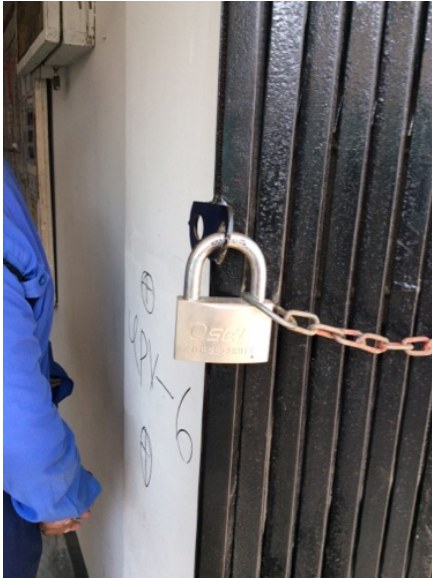


F-8	Egress	The width of aisles on the production floors was observed to be less than 36-in. in several locations.	Provide minimum aisle widths of 36-in. for production areas.	3 Months
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F-9	Egress	The exits on the ground floor are not located remotely from each other such that a single fire event could compromise both exits.	Provide an exit from the west side of the building. Alternately, provide automatic sprinkler protection throughout the ground floor of the building in accordance with NFPA 13.	6 Months
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F-10	Egress	Collapsible gates or doors with locks are provided at the building exits and at each stair entrance. All gates were open and unlocked during the inspection.	Remove all lockable gates and doors at exits and along the means of egress. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-11	Egress	Storage was located in the northeast and southeast exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-12	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.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in addition to the manual fire alarm stations.	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	Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only on the floor of alarm and not throughout the building.	Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation.	Within 1 month
F-15	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system were not available at the time of the survey.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-16	Egress Lighting	Based on the number and location of emergency lights observed in the northeast stairwell, adequate illumination levels are not anticipated along egress routes.	Test the emergency lighting system in the northeast stairwell 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