

FIRE SAFETY INSPECTION REPORT

EUROTEX KNITWEAR LTD
NAYAMATI, KUTUBPUR, FATULLAH, NARAYANGONG



ACCORD
on Fire and Building Safety in Bangladesh

March 31, 2014

SUMMARY

Eurotex Knitwear Ltd was surveyed for fire safety on 3/31/2014 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.

Tables 1 - 2 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 generator building has unprotected openings in close proximity to the factory building.	Seal and/or protect all generator building openings to maintain a 2-hr fire rated separation.	Within 3 months



F-2	Fire Rated Construction	Areas on Floors 1, 2, and 3 used for combustible storage are not separated by fire-rated construction.	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 Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from adjacent 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.	Within 3 months
			If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	



F-4	Egress	Egress doors / gates with locking features are provided along egress routes.	Remove locking features from all egress doors / gates.	Immediate
		Gates/doors were open and unlocked during the inspection.	If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	



F-5	Egress	Storage was located in the 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 building exits, exit stairs, and along egress routes.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-7	Egress	Common path of egress travel exceeds 23 m (75 ft) in the 1st Floor Storage room.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23 m.	Within 3 months
F-8	Egress	The main exit stair discharges inside the building main entrance.	Provide 2-hr fire-rated exit passageway leading directly outside.	Within 6 months



F-9	Fire Protection	The manual fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards. The automatic fire alarm system is a zoned (not addressable) system served by a conventional fire alarm panel. System smoke detectors do not provide full coverage automatic smoke detection in all areas. No manual pull stations are provided as part of the system.	Replace or update the fire alarm system to a listed addressable fire alarm system designed in accordance with NFPA 72.	Design within 4 months, install within 9 months
F-10	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
F-11	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.	Remove the manual fire alarm system. Update the automatic system as mentioned in another recommendation.	Within 6 months

F-12	Egress Lighting	Battery powered 'fog lights' are provided in the exit stairwells. It does not appear that the lights would provide adequate illumination.	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
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F-13	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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
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F-14	Egress Lighting	Directional exit signs were found to be misleading in some locations.	Provide directional exit signs where direction of egress is not obvious. Ensure that direction arrows point in the correct direction.	Within 3 months
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