

FIRE SAFETY INSPECTION REPORT

SURMA GARMENTS LTD.

AICHA NOADDA, RAJASHON ROAD SAVAR, DHAKA

OTHER FACTORIES: SUPASOX LTD.



ACCORD
on Fire and Building Safety in Bangladesh

May 12, 2014

SUMMARY

Surma Garments Ltd. was surveyed for fire safety on 5/12/2014 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
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F-1	Fire Rated Construction	Flammable liquid storage(fuel storage for generator)area is not separated by fire-rated construction (openings, non-rated doors, penetrations) on ground floor south east shed.	Separate the flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
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Specify conditions



F-2	Fire Rated Construction	The boiler, generator, transformer room is not separated by fire-rated construction (openings, non-rated doors, penetrations) ground floor at the southeast shed.	Separate the boiler, generator, transformer room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-3	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction on floors 1, 2, 3, 4, and 5.	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-4	Fire Rated Construction	The exit stairs are not separated from work areas, 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-5	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-6	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, exit discharge on all floors. All doors/gates were open and unlocked during the 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 on floors 1, 2, 3, 4, and 5.	Keep egress paths and stairs clear of storage.	Immediate
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F-8	Egress	Storage was located in the exit stair on ground floor northwest exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
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F-9	Egress	Storage was located in the exit stair on floors 1, 2, 3, 4, 5, and 6.	Remove all storage from exit stairs and egress paths.	Immediate
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F-10	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, exit discharge on all floors of the building.	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-11	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-12	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
F-13	Fire Protection	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building in accordance with NFPA 72.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system.	Within 6 months



F-14	Fire Protection	It was observed during inspection that the factory is in progress of installing a smoke alarm system tied to the fire alarm system, however, the work is in progress and is not yet operational.	To complete the on going works on smoke alarm system to be tied to the fire alarm system	Within 6 months
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F-15	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not available.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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