

FIRE SAFETY INSPECTION REPORT

BHUYAN WARMTEX (PVT.) LTD.
KADDA NANDUN, KADDA BAZAR, GAZIPUR, DHAKA

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

July 20, 2014

SUMMARY

Bhuyan Warmtex (Pvt.) Ltd. was surveyed for fire safety on 7/20/2014 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

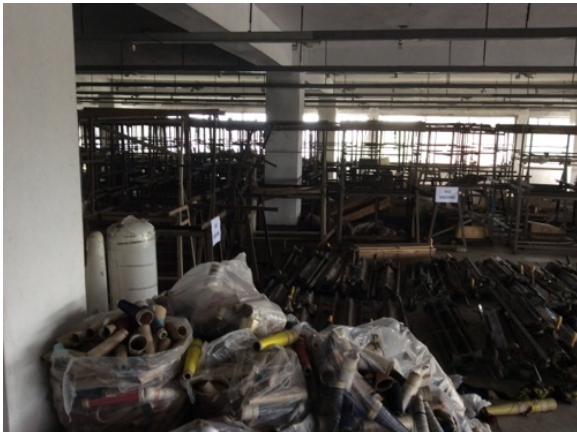
No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The boiler and generator rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations). The boiler room was located on ground floor, and generator room was located in the separate building. The generator room was open to the southeast exit discharge path.	Separate the boiler and generator 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 diesel storage area on ground is not separated by fire-rated construction (openings, non-rated doors, penetrations). The diesel storage was open to exit discharge path.	Separate the hazardous materials / flammable liquid storage room by a minimum 2-hr fire-rated construction or Remove from the egress path.	Within 3 months
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F-3	Fire Rated Construction	Rooms used for combustible storage on the 1st, 2nd and 3rd floors are not separated by fire-rated construction. Also the storage room in shed-2 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 in shed are not separated by fire-rated construction. The storage shed was open to exit discharge path.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction or Remove from the egress path.	Within 3 months
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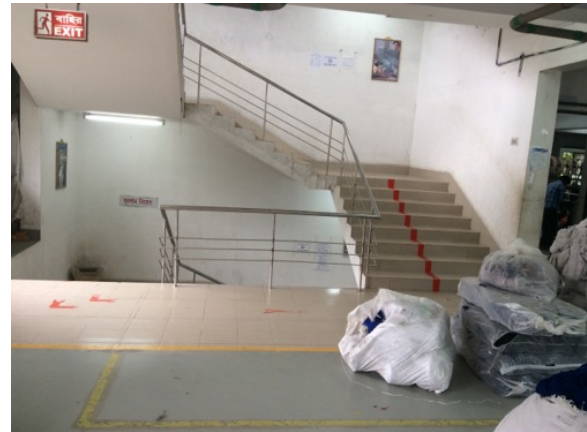
F-5	Fire Rated Construction	The exit stairs are not separated from work areas or other spaces on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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-6	Fire Rated Construction	Unsealed penetrations and openings are located in all 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-7	Fire Rated Construction	The stairwell stairs are not enclosed in fire rated construction.	Provide 2-hr continuous stairwell enclosure to the ground floor from roof floor.	Within 3 months
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F-8	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes 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-9	Egress	Storage was located in all exit stairs.	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 and exit discharge.	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	Egress	All exit stairs discharge inside the building.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas) or Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
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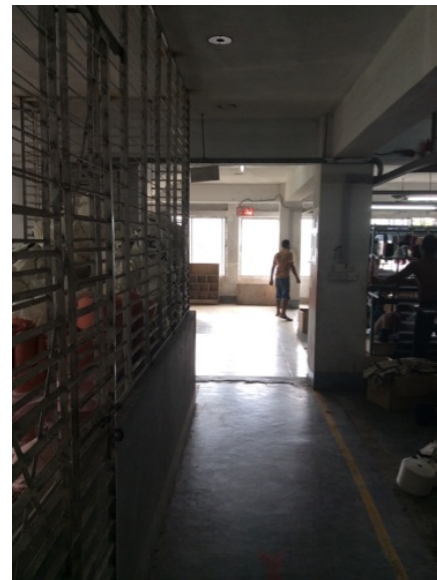
F-12	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards. Also the two sheds did not install fire alarm system.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-13	Fire Protection	Inspection, testing, and maintenance of 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-14	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. Also the two sheds did not install fire detection system.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months



F-15	Egress Lighting	Exit sign on the 2nd and 3rd floors not provided at exit.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
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F-16	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was 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
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