

FIRE SAFETY INSPECTION REPORT

SHINEST APPARELS LTD.

AZIM TOWER, 217/1, BERIBADH, MOHAMMADHPUR.

OTHER FACTORIES: NASRIN GARMENTS LTD.



ACCORD
on Fire and Building Safety in Bangladesh

Bangladesh Accord Foundation

May 21, 2014

SUMMARY


Shinest Apparels Ltd. was surveyed for fire safety on 5/21/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

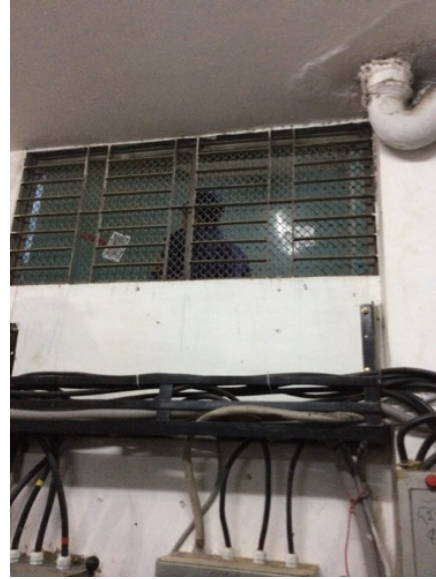
The purpose of this survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The 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	Flammable liquid (diesel) storage area is not separated by fire-rated construction in the generator room.	Separate the flammable liquid storage room by a minimum 2-hr fire-rated construction.	Within 3 months					
					F-2	Fire Rated Construction	The boiler, generator and transformer room (sub-station area) is not separated by fire-rated construction (openings, non-rated doors, penetrations) from the north exit stair, cutting section and washing section of Nasrin garments.	Separate the boiler, generator and 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
F-2	Fire Rated Construction	The boiler, generator and transformer room (sub-station area) is not separated by fire-rated construction (openings, non-rated doors, penetrations) from the north exit stair, cutting section and washing section of Nasrin garments.	Separate the boiler, generator and 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					

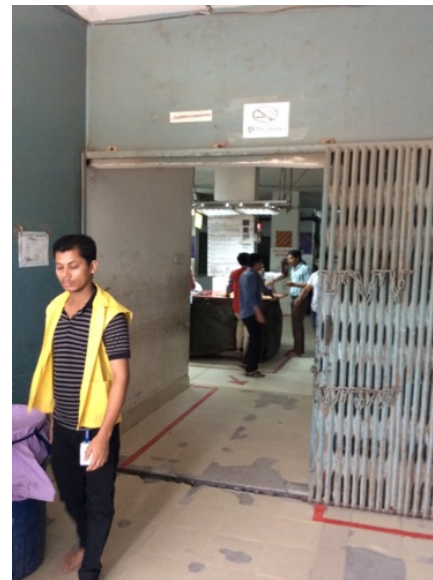


F-3	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.
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Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas on all floor 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	Fire Rated Construction	The northeast and southeast exit stairs are not separated from other factory (Nasrin Garments) on the 1st, 2nd and 3rd 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-5	Fire Rated Construction	The west exit stairwell to ground level are not enclosed in fire rated construction.	Provide 2-hr continuous stairwell enclosure to exterior ground level.	Within 3 months
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F-6	Fire Rated Construction	Unsealed penetration and opening is located in the north exit stair on the 5th floor.	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 northeast and southeast exit stairs are not separated from storage floor on the basement by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and 2-hr fire rated constructions to separate the exit stairs from storage floor on the basement. Ensure that the fire doors are self-closing and positive latching.	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-8	Fire Rated Construction	Unprotected penetrations and openings between the Shinest Apparels Ltd. and the Nasrin Garments Ltd. are located on the 1st, 2nd and 3rd floor.	Provide a minimum 2-hr fire-rated constructions to separate the factories.	Within 3 months
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F-9	Fire Rated Construction	Areas used for combustible storage on the ground floor are 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-10	Egress	Egress doors and gates with locking features are provided at building exits and exit discharge.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-11	Egress	North exit stair doors on the ground and 8th floor, and southeast exit stair door on the 8th floor does not swing in the direction of egress travel.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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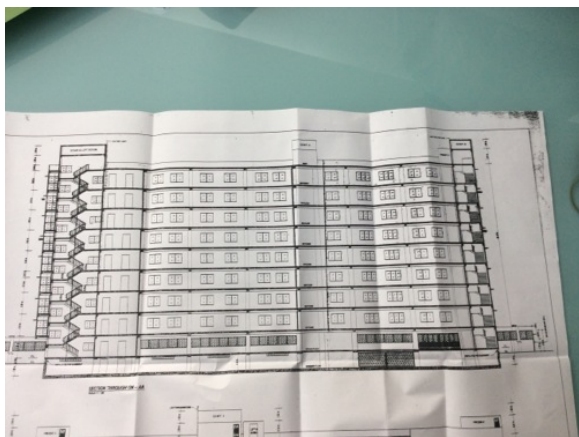
F-12	Egress	North exit stair discharge inside the cutting section on the ground floor.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). or Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
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F-13	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	The high-rise building has an occupied floor greater than 23m (75 ft) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
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F-15	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was 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-16	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage for each floor.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months
F-17	Egress Lighting	Manual on-off switches are provided for emergency lighting units on each floor.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month
F-18	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
