

# **FIRE SAFETY INSPECTION REPORT**

**ALIM KNIT (BD) LTD.  
NAYAPARA, KASHIMPUR, GAZIPUR.**

**OTHER FACTORIES: MONDOL KNIT TEX LTD.**



**ACCORD**  
on Fire and Building Safety in Bangladesh

Bangladesh Accord  
Foundation

April 12, 2014

## **SUMMARY**

**Alim Knit (BD) Ltd. was surveyed for fire safety on 4/12/2014 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
F-1	Fire Rated Construction	Hazardous materials / flammable liquid storage area on the sub-building and boiler room is not separated by fire-rated construction.	Separate the hazardous materials / 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





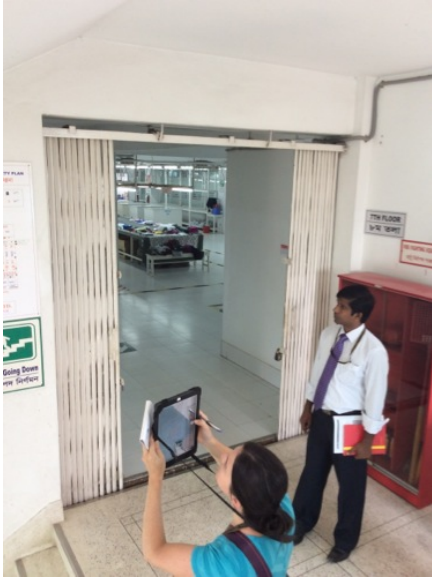
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F-2	Fire Rated Construction	The boilers and generators rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the boilers and generators rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from work areas and storages on the each floor by fire-rated construction. Also, Northwest stair is not separated from VIP restroom.	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-4	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies in the gray storage (1st floor) and southwest corner (each floor).	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.  Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	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	Fire Rated Construction	Hazardous materials on the exit discharge path (southwest stair) at the ground floor and flammable liquid storage area in the generator room is not separated by fire-rated construction.	Separate the hazardous materials / 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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F-7	Fire Rated Construction	The exit stairs are not separated from work areas and storages on the each floor by fire-rated construction. Also, Northwest stair is not separated from VIP restroom.	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-8 Egress

Egress doors and gates with locking features are provided at building exits and exit stairs.

Remove locking features from all egress doors / gates.

Immediate

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.





F-9 Egress

Storage was located in the all exit stairs.

Remove all storage from exit stairs and egress paths.

Immediate





F-10 Egress

Collapsible gates and 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.

Within 1 month

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.





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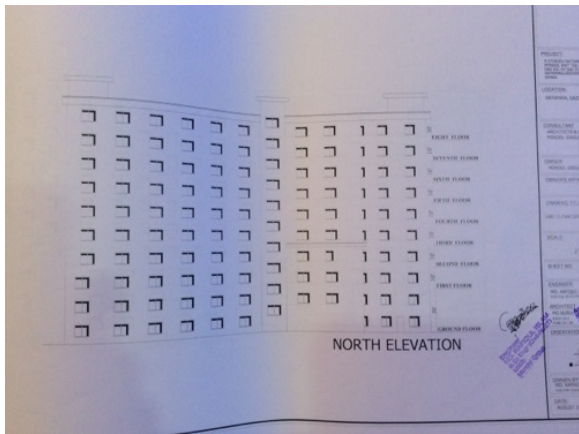
F-11	Egress	Egress door on the 8th floor (office) serving 50 or more occupants does not swing in the direction of egress travel.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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F-12	Fire Protection	The fire alarm 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-13	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-14	Fire Protection	Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only for the building 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 months
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	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