

# **FIRE SAFETY INSPECTION REPORT**

**YASIN KNITTEX IND. LTD.  
SOUTH PANISHAIL, ZIRANI BAZAR, B.K.S.P,  
GAZIPUR, BANGLADESH**

**OTHER FACTORIES: NONE**



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



April 19, 2014

## **SUMMARY**

**Yasin Knittex Ind. Ltd. was surveyed for fire safety on 4/19/2014 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 room containing the generator and boiler is not separated form the exit discharge of the utility building by means of fire rated construction (non-rated doors).	Separate the generator room from the discharge pathway 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 dedicated storage areas on the 7th, 5th, 3rd and 2nd floor were not separated by fire-rated construction (unprotected openings and non-rated doors).	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months



F-3	Fire Rated Construction	Exit stairs on all floors are not separated from 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-4	Fire Rated Construction	Unsealed penetrations and openings are located in the northern exit stair enclosure on the mezzanine floor.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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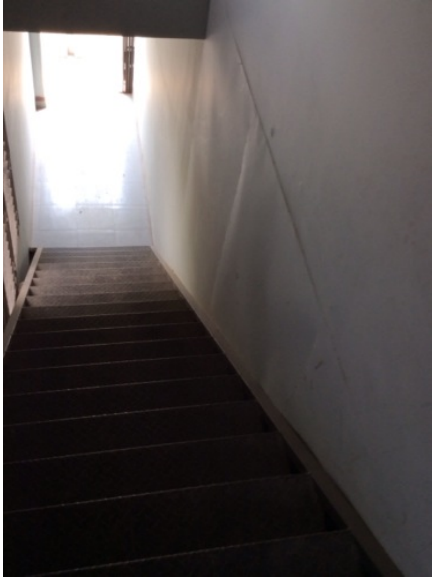
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F-5	Fire Rated Construction	Chemical storage on the 1st floor is not separated from the adjacent working areas by means of fire rated construction (non-rated doors and unprotected openings).	Separate the hazardous materials / flammable liquid storage 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-6	Fire Rated Construction	The southern exit stair of the chemical storage building was not separated from the storage area by fire rated construction.	Provide minimum 2-hr fire rated construction and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels.	Within 3 months
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F-7	Fire Rated Construction	Transient storage areas on the 5th floor was not separated form the working areas by means of 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 23m <sup>2</sup> - If sprinkler protected: maximum height of 3.66m and maximum area of 93m <sup>2</sup>  Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-8	Egress	Egress doors and gates with locking features are provided at all building exits, exit stairs and along egress routes.	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 the northern exit stair enclosure on the 7th, 5th and ground floor.  Storage was also located inside the exit stair enclosures of other buildings in the complex.	Remove all storage from exit stairs and egress paths.	Immediate
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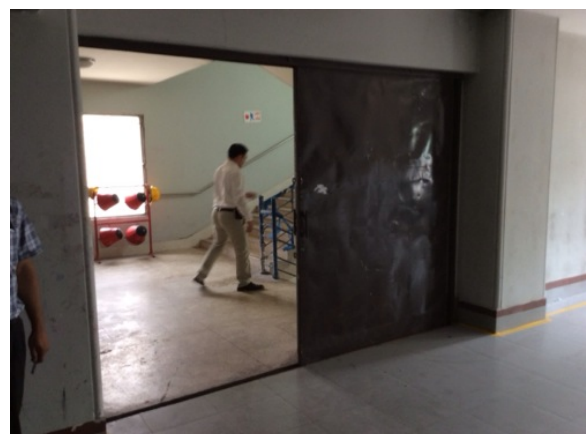
F-10 Egress

Collapsible and sliding doors are provided at all 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.



F-11	Egress	Emergency evacuation plans were found to be missing on the floors of many of the buildings in the complex.	Provide readily visible/identifiable emergency evacuation plans with/next to all exit stairs.	Within 1 month
F-12	Egress	Handrails are not provided in the southern exit stair of the two storied chemical storage building.	Provide handrails on at least one side of exit stair.	Within 3 months



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
F-15	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.	Remove all single-station smoke alarms. Provide automatic smoke detection through out the building in accordance with NFPA-72.	Within 1 months
F-16	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-17	Egress Lighting	Burned out exit signs were located on the 6th floor.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month

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F-18	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting were not in accordance to the ACCORD standards.	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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