

# **FIRE SAFETY INSPECTION REPORT**

## **COMFIT COMPOSITE KNIT LIMITED UNIT**

**2**

**AMTOLA, KATHGORA BAZAR, ASHULIA, SAVAR**

**OTHER FACTORIES: NONE**



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

Bangladesh Accord  
Foundation

April 3, 2014

## **SUMMARY**

**Comfit Composite Knit Limited Unit 2 was surveyed for fire safety on 4/3/2014 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 room is not separated by fire-rated construction. Located on the fourth floor roof area openings, non-rated doors and penetrations were all noted present.	Separate the boiler 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	<p>Areas used for combustible storage are not separated by fire-rated construction.</p> <p>Ground floor area has insufficient fire rated separation at door and window assemblies, in close proximity to egress route path externally. Floors 1, 2 and 3 with combustible storage not adequately fire separated.</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> <li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months
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F-3	Fire Rated Construction	All exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction.	<p>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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 months
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F-4	Fire Rated Construction	Uncovered discharge path to assembly point, with less than 10 ft. building separation, has unprotected openings at a height of less than 10 ft. This discharge is from the rear of the building along the West elevation to the main assembly point at the front of the building.	Seal all penetrations and openings to the interior of the building, up to a height of 10 ft, to maintain the fire separation. Alternately, provide 1-hr fire-rated separation up to a height of 10 ft	Within 3 months
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F-5	Egress	Egress sliding steel gates with locking features are provided at all building exits, exit stairs, along egress routes and exit discharge to floors. All sliding gates were open and unlocked during the inspection.	Remove locking features from all egress gates.  If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-6	Egress	Storage was located in the egress path on floor 3.	Keep egress paths and stairs clear of storage.	Immediate
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F-7	Egress	Storage was located in the North East exit stair. Exit discharge must be completely clear of storage.	Remove all storage from exit stairs and egress paths.	Immediate
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F-8 Egress

Collapsible gates are provided at all building exits, exit stairs, along egress routes and exit discharge to all floors.

Replace all steel sliding gates 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-9	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-10	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
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F-11	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage throughout the factory floor, no alarm was present on the fourth floor.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months
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F-12	Fire Protection	No fire detection system in place. No smoke alarms or heat detectors present throughout any of the factory floors.	Provide automatic smoke detection throughout the building in accordance with NFPA 72.	Within 6 months
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F-13	Egress Lighting	Manual on-off switch is provided for exit signage on all battery backup units	Remove manual on/off switches from exit signage units to prevent them from being switched off.	Within 1 month
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F-14	Egress Lighting	Exit Light sign not provided at Fourth floor Dining escape stair.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 3 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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