

FIRE SAFETY INSPECTION REPORT

**IBRAHIM KNIT GARMENTS (PVT.) LTD.
AILPARA, PATHANTOLI, SIDDIRGANJ**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

April 15, 2014

SUMMARY

Ibrahim Knit Garments (Pvt.) Ltd. was surveyed for fire safety on 4/15/2014 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.

Tables 1 - 2 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 - Building #1

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).	Separate the boiler and generator room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months





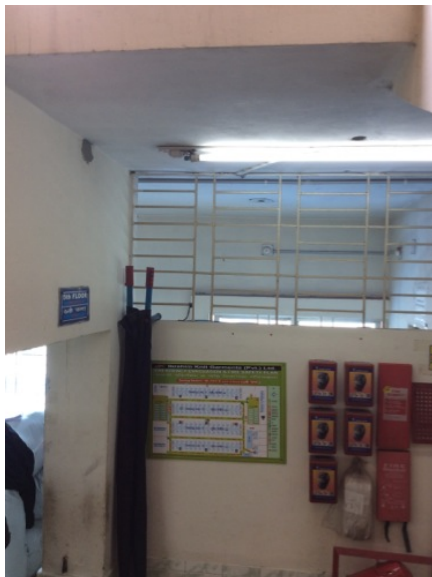
F-2	Fire Rated Construction	Areas used for combustible storage on the 4th floor are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from work areas 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 openings are located in all exit stair enclosures.	Seal all openings in all exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-5	Fire Rated Construction	Hazardous material area is not separated by fire-rated construction on the ground floor (openings, non-rated doors, penetrations).	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	Discharge path, with less than 10 ft. building separation, to assembly point has unprotected openings at a height of less than 10 ft. Discharge path from the east stair.	Seal all penetrations and openings to the interior of the building, up to a height of 10 ft. to maintain the fire separation.	Within 6 months
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F-7	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs 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-8	Egress	Storage was located in all exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-9	Egress	Collapsible gates are provided at building exits, exit stairs 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-10	Egress	West stairwell on the 1st floor - during its swing, any door in a means of egress shall leave at least one-half of the required width of a exit stairwell.	Modify the exit stairwell door.	Within 3 months
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F-11	Egress	East exit stair discharge inside the building on the ground floor due to discharge path through the unprotected passway from boiler room.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-12	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage.	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-13	Fire Protection	Fire detection system is not provided in the building.	Provide automatic fire detections tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in accordance with NFPA 72.	Within 6 months
F-14	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on the 2nd floor.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months
F-15	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

Table 2. Findings And Recommendations - Building #2 and #3

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).	Separate the boiler and generator room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months

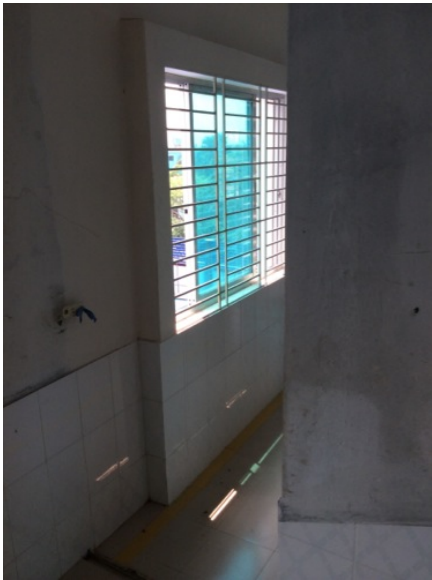




F-2	Fire Rated Construction	Areas used for combustible storage on the 1st floor are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from work areas 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 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-5	Fire Rated Construction	Discharge path, with less than 10ft. building separation, to assembly point has unprotected openings at a height of less than 10 ft. Discharge path from the east and west exit stairs.	Seal all penetrations and openings to the interior of the building, up to a height of 10 ft. to maintain the fire separation.	Within 6 months
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F-6	Egress	Egress doors and gates with locking features are provided at exit stairs	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-7	Egress	Storage was located in all exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-8	Egress	Sliding doors are provided at east exit stair.	Replace 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-9	Egress	All exit stairs discharge inside the building on the ground floor.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-10	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months
F-11	Fire Protection	Fire detection system is not provided in the building.	Provide automatic fire detections tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in accordance with NFPA 72.	Within 6 months
F-12	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes for the all exit stairs and 3rd floor.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months

F-13	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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