

FIRE SAFETY INSPECTION REPORT

AI ISLAM TEXTILE INDUSTRY LTD

9, KARNAPARA, SAVAR, DHAKA-1340

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

May 6, 2014

SUMMARY

Al Islam Textile Industry Ltd was surveyed for fire safety on 5/6/2014 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 storage (diesel drums) area is not separated by fire-rated construction (non-rated doors).	Separate the 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
				
F-2	Fire Rated Construction	The boiler room are not separated by fire-rated construction (openings and non-rated doors).	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-3	Fire Rated Construction	The generator room is not separated by fire-rated construction (openings and non-rated doors).	Separate the 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
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F-4	Fire Rated Construction	The transformer room is not separated by fire-rated construction (openings and non-rated door).	Separate the 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
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F-5	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 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. 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-6	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	Provide fire-rated construction for all unprotected openings to separate the exit stairs from work areas on all floor levels.	Within 3 months
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F-7	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	Provide fire-rated construction for all unprotected openings to separate the northwest exit stair from work areas and other building spaces on all floor levels.	Within 3 months
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F-8	Fire Rated Construction	Areas used for combustible storage in the cutting area 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-9	Fire Rated Construction	Unsealed penetrations and openings of the elevator shaft are located in the fire-rated floor/ceiling assemblies on each floor.	Provide a minimum 2-hr fire-rated shaft to separate the elevator shaft 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-10	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 and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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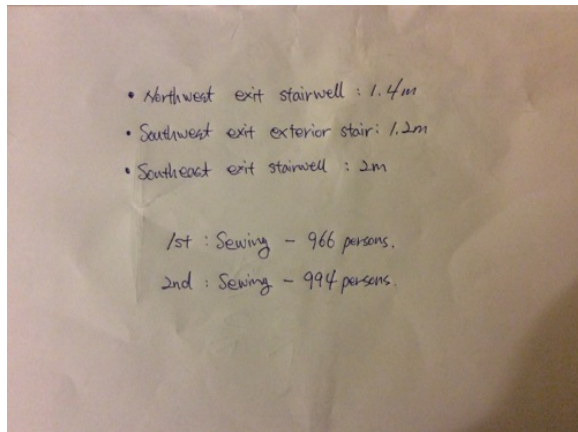
F-11	Egress	Storage was located in the northwest exit stairwell.	Remove all storage from exit stairs and egress paths.	Immediate
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F-12	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs, and exit discharge.	Replace all gates and 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-13	Egress	Exit capacity is not adequate for the occupant load of the 1st and 2nd floor. The occupant load for the 1st and 2nd floors are 966 and 994 persons, however these exceed the egress capacity provided which is 575 persons.	Reduce occupant load to not more than available exit capacity or Provide additional exits.	Within 3 months
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F-14	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
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