

FIRE SAFETY INSPECTION REPORT

ABIR FASHIONS LTD

**PLOT # 44, ROAD # 02, KUTUBAIL, FATULLAH,
NARAYANGONJ**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

August 30, 2014

SUMMARY

Abir Fashions Ltd was surveyed for fire safety on 8/30/2014 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.

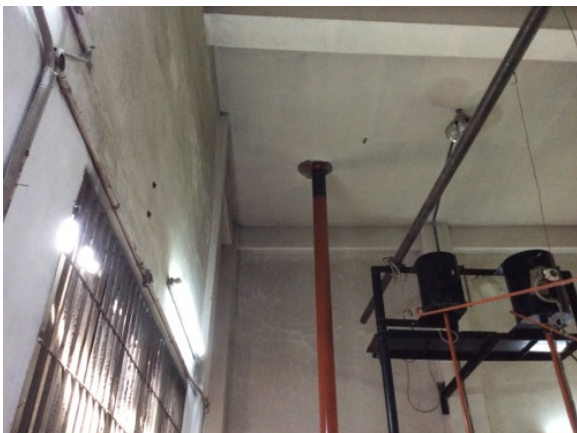
Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces 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





F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor and ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floor and ceiling assemblies to maintain the fire separation.	Within 3 months
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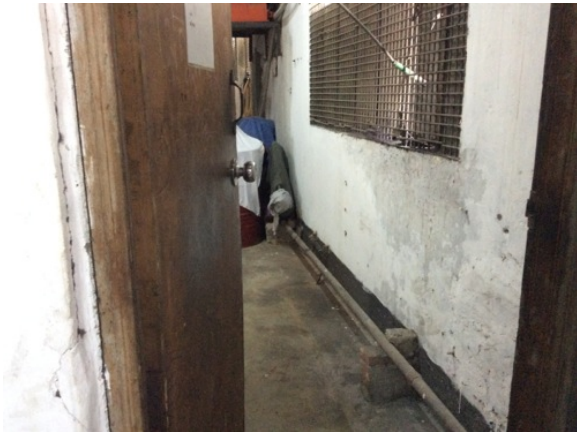
F-3	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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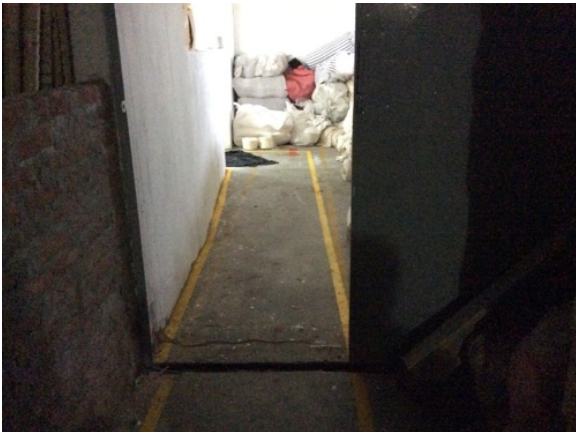
F-4	Fire Rated Construction	Hazardous materials and flammable liquid storage area is not separated by fire-rated construction due to openings, non-rated doors and penetrations.	Separate the hazardous materials and flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and protect all openings to maintain the required fire separations.	Within 3 months
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F-5	Fire Rated Construction	The boiler, generator and transformer rooms are not separated by fire-rated construction due to openings, non-rated doors and penetrations on the ground floor.	Separate the boiler room by a minimum 1-hr fire-rated construction. Separate the generator and transformer room by a minimum 2-hr fire-rated construction. Seal and protect all openings to maintain the required fire separations.	Within 3 months
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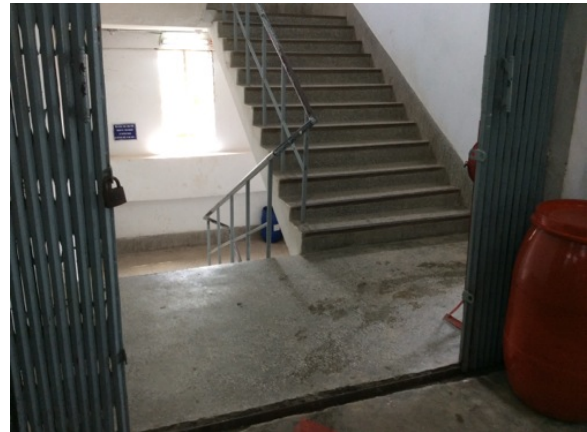
F-6	Fire Rated Construction	Storerooms used for combustible storages are not separated by fire-rated construction on the mezzanine, first and second floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-7	Fire Rated Construction	Areas used for combustible storages are open to the factory floors on the ground, third and fifth floors.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m². - Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-8	Egress	Exit capacity (376) is not adequate for the occupant load (470) on the fourth floor.	Reduce occupant load to not more than available exit capacity (374). Or provide additional exits.	Immediate
F-9	Egress	Egress doors and gates with locking features (padlocks) are provided at building exits, exit stairs and along egress routes.	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



F-10	Egress	Storage was located in the egress path on the basement, ground, first and second floors.	Keep egress paths and stairs clear of storage.	Immediate
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F-11	Egress	Storage was located in the East exit stair on the ground and fifth floors.	Remove all storage from exit stairs and egress paths.	Immediate
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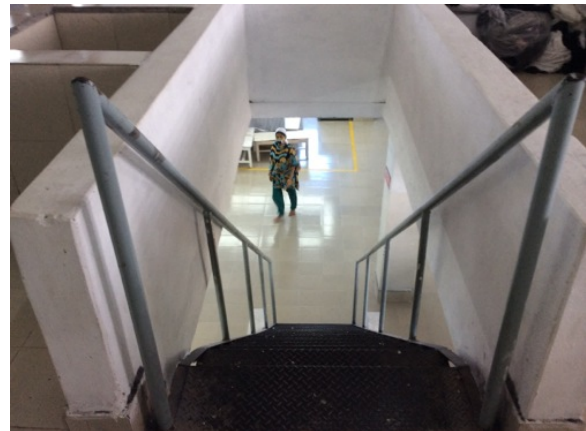
F-12	Egress	Emergency evacuation plan not posted near all the entrances to the exit stair and all exits to the exterior.	Post emergency evacuation plan near all the entrances to the exit stair and all exits to the exterior.	Immediate
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F-13	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs and along egress routes.	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-14	Egress	The width of egress door is less than 32-in. on the fifth floor. The width of North exit stair is less than 36-in. The width of the egress aisle is less than 36-in. on the basement.	Provide minimum door width of 32-in. Provide minimum aisle and stair width of 36-in.	Within 3 months
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F-15	Egress	Common path of egress travel exceeds 30 m. on the ground and second floor.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m.	Within 3 months
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F-16	Egress	Exit stair door and egress door serving 50 or more occupants does not swing in the direction of egress travel on the third and fourth floors.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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F-17	Egress	North exit stair discharges inside the building on the second floor, which is open to the production area. The West exit stairs discharge inside the building on the ground floor, which is open to the production area.	Modify North exit stair to discharge directly outside. Provide 2-hr fire-rated exit passageway from the West exit stair discharges leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-18	Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits on the second floor.	Provide additional exit.	Within 6 months
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F-19	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-20	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-21	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 single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months



F-22	Egress Lighting	Exit sign not provided at exits to the East exit stair on the second and third floors.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
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F-23	Egress Lighting	Manual on-off switch is provided for emergency lighting unit on the mezzanine floor.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month
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F-24	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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F-25	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on the factory floors.	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
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