

FIRE SAFETY INSPECTION REPORT

RAGADI TEXTILE LTD.
KAINJANUL, MIRZAPUR, GAZIPUR SADAR, GAZIPUR

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

July 22, 2014

SUMMARY

Ragadi Textile Ltd. was surveyed for fire safety on 7/22/2014 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 on ground is not separated by fire-rated construction (openings, non-rated doors, penetrations). The boiler room was open to storage area.	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	Areas used for combustible storage on the ground, 1st, 2nd and 3rd floors 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	Areas used for combustible storage on ground are not separated by fire-rated construction. The storage areas were open to egress path.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction or Remove from the egress path	Within 3 months
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F-4	Fire Rated Construction	Rooms used for combustible storage on ground, 1st and 4th floors are not separated by fire-rated construction. Also the storage shed was open to egress path and work area. The storage area on ground was open to boiler room.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-5	Fire Rated Construction	The fuel storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations). The fuel storage was open to egress path.	Separate the hazardous materials / flammable liquid storage room by a minimum 2-hr fire-rated construction or Remove from the egress path.	Within 3 months
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F-6	Fire Rated Construction	All exit stairs are not separated from work areas or 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
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F-7	Fire Rated Construction	Unsealed penetrations and openings on all floors are located in the fire-rated floor/ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.	Within 3 months
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F-8	Fire Rated Construction	Unsealed penetrations and openings on 3rd floor are located in the northwest 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-9	Fire Rated Construction	The southwest exit discharge path is less than 10 ft wide and is not separated from the dining shed.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 6 months
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F-10	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes 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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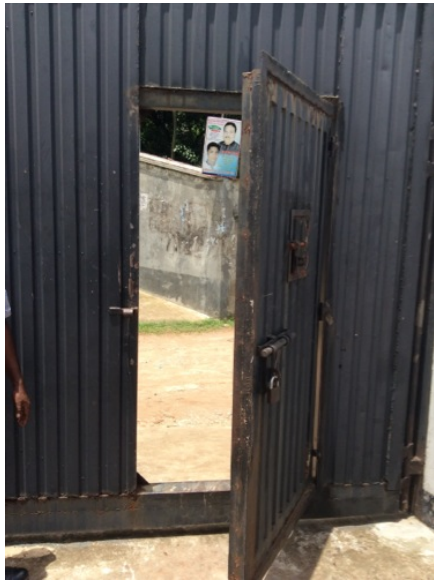
F-11	Egress	Storage was located in all exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-12	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes and exit discharge.	Replace 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-13	Egress	Exit door out of the building does not swing in the direction of egress travel.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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F-14	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards. Also the dining shed did not install	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-15	Fire Protection	Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only on the floor of alarm and not throughout the building.	Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation.	Within 1 months
F-16	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-17	Egress Lighting	Exit sign on the ground and 1st floors not provided at exit.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month





F-18	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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