

FIRE SAFETY INSPECTION REPORT

RADIANCE JEANS LTD.
KHAJUR BAGAN, ASHULIA, SAVAR, DHAKA
OTHER FACTORIES: PEARLS & POUCE LTD.



ACCORD
on Fire and Building Safety in Bangladesh

April 27, 2014

SUMMARY

Radiance Jeans Ltd. was surveyed for fire safety on 4/27/2014 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

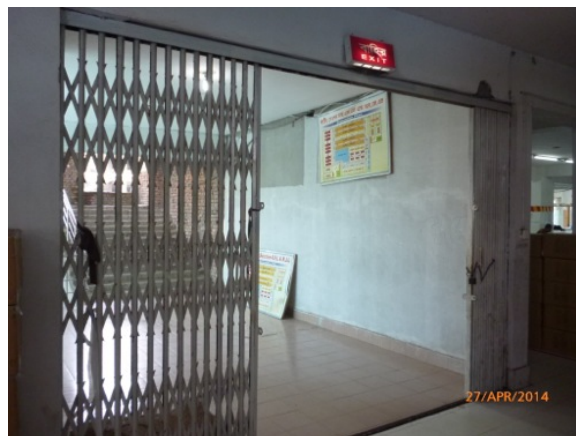
No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Combustible construction materials where provided in the 3rd floor. (Wooden wall).	Remove all combustible materials and replace by non combustible materials.	Within 1 month
				
F-2	Fire Rated Construction	The boiler and generator rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the boiler and generator rooms 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	Unsealed penetrations and elevator shaft openings are located in both exit stairs 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	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
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F-5	Fire Rated Construction	Hazardous materials area (Chemical storage) is not separated by fire-rated construction from the exit discharges on the ground floor. (openings, non-rated doors).	Separate the hazardous materials 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	4th floor storage used for combustible storage 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-7	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs and exit discharge. All gates/doors were open and unlocked during the inspection.	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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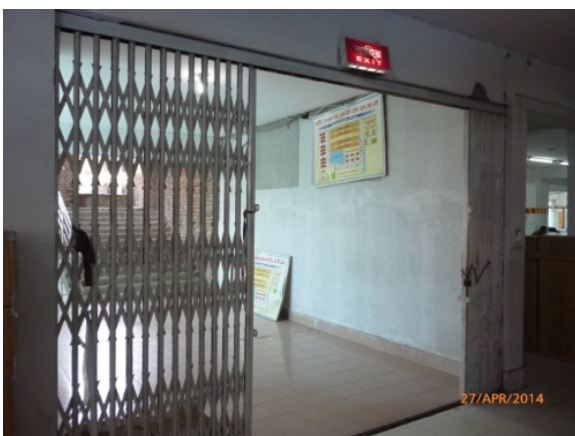


F-8	Egress	Chemical storage was located below both exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-9	Egress	Sliding gates and doors are provided at building exits, exit stairs and exit discharge.	Replace all sliding gates and doors 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-10	Egress	Both exit stairs are discharge inside the building. South exit stair is open to boiler room and chemical room. North exit stair is open to washing plant and chemical room.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). or Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
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F-11	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-12	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was 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-13	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 in Accordance with NFPA 72.	Within 6 months
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F-14	Egress Lighting	Several exit signage are not illuminated during testing. (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month
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F-15	Egress Lighting	Several emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
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F-16	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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