

FIRE SAFETY INSPECTION REPORT

JM FABRICS LTD.

**SOUTH NAYAPARA, 6 NO DOGRI, BHAWAL,
MIRZAPUR**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

April 17, 2014

SUMMARY

JM Fabrics Ltd. was surveyed for fire safety on 17-04-2014 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-2

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	A all exit stairs are not separated from work areas and 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 are located in exit stairs.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-3	Fire Rated Construction	Areas used for combustible storage on ground 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-4	Fire Rated Construction	The stairwell stairs to ground floor are not enclosed in fire rated construction	Provide 2-hr continuous stairwell enclosure to exterior ground floor.	Within 3 months
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F-5	Fire Rated Construction	Hazardous materials storage area is not separated by fire-rated construction, 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 protected all openings to maintain the required fire separations.	Within 3 months
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F-6	Fire Rated Construction	Fire door is not provided with re-entry door handle.	Fire doors assemblies conform to NFPA 252. 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	Egress	Egress doors and gates with locking features are provided a all exit doors and exit stairs.	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-8	Egress	Storage was located in the exit stair and egress paths.	Remove all storage from exit stairs and egress paths.	Immediate
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F-9	Egress	Collapsible gates and sliding doors are provided at all exit doors and exit stairs.	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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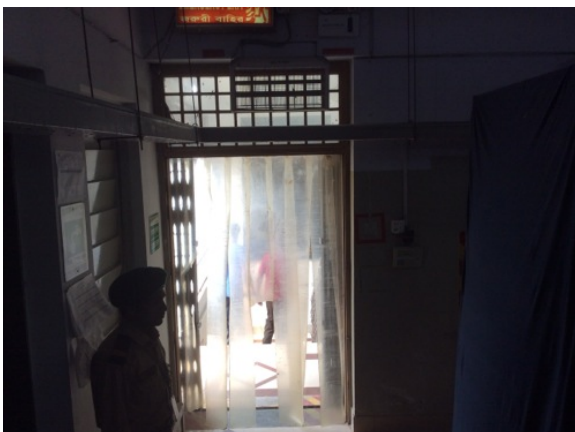
F-10	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was not accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
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F-11	Egress Lighting	Manual on-off switch is provided for emergency lighting and exit signage units.	Remove manual on/off switches from emergency lighting and exit signage units to prevent them from being switched off.	Within 3 months
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Table 2. Findings And Recommendations - RMG Building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	A all exit stairs are not separated from work areas and 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 are located in exit stairs.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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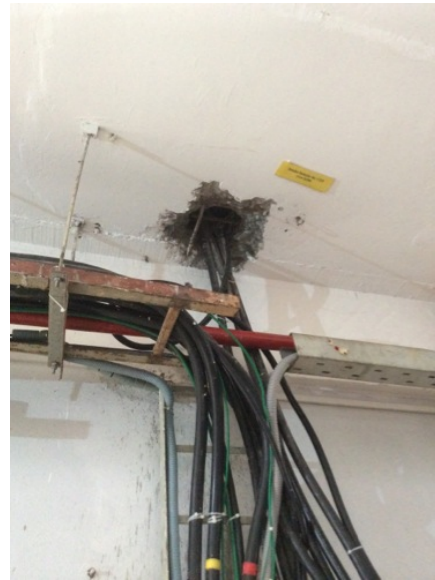




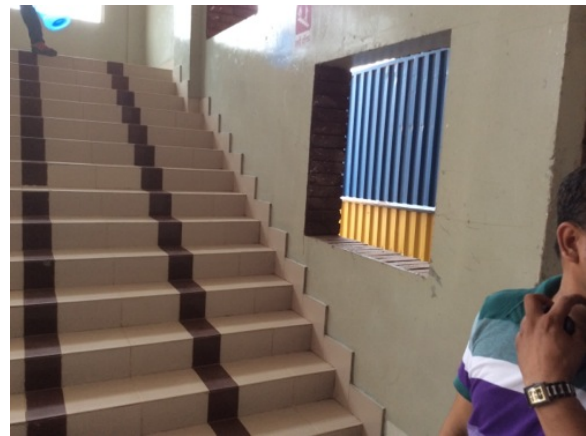
F-3	Fire Rated Construction	Areas used for combustible storage several floors are not separated by fire-rated construction.	Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - If 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-4	Fire Rated Construction	Unsealed openings are located in several floors.	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-5	Fire Rated Construction	The stairwell stairs to ground floor are not enclosed in fire rated construction	Provide 2-hr continuous stairwell enclosure to exterior ground floor.	Within 3 months
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F-6	Fire Rated Construction	Areas used for storage room are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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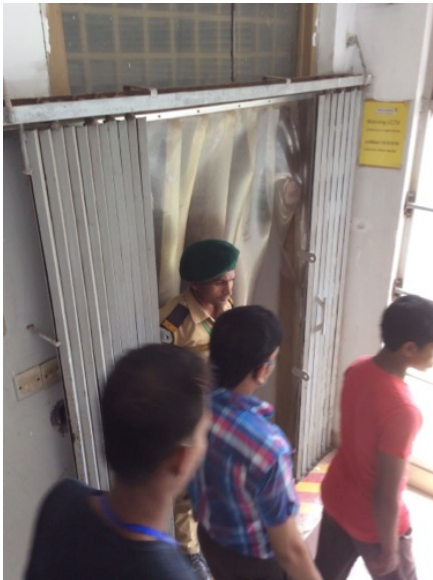
F-7	Egress	Egress doors and gates with locking features are provided a exit doors and exit stairs.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-8	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
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F-9	Egress	Collapsible gates and sliding doors are provided at all exit doors and exit stairs.	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-10	Egress	Exit stair landing is not provided on both sides of doors.	A landing shall be provided on both sides of doors used in the means of egress.	Within 3 months
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F-11	Egress	Fire door is not provided with re-entry door handle.	Fire doors assemblies conform to NFPA 252. 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-12	Egress	Exit capacity is not adequate for the occupant load. Located on 1,2 and 5th floors.	Reduce occupant load to not more than available exit capacity or provide additional exits.	Within 3 months
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F-13	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was not 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-14	Egress Lighting	Manual on-off switch is provided for emergency lighting and exit signage units.	Remove manual on/off switches from emergency lighting and exit signage units to prevent them from being switched off.	Within 3 months
				
F-15	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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