

FIRE SAFETY INSPECTION REPORT

MANTA APPARELS LIMITED.

DIAKHALI, YEARPUR, JAMGORA, SAVAR, DHAKA.

**OTHER FACTORIES: ENVOY FASHION LTD, ENVOY
DESIGN LTD**



ACCORD
on Fire and Building Safety in Bangladesh

March 30, 2014

SUMMARY

Manta Apparels Limited. was surveyed for fire safety on 3/30/2014 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 generator and transformer room is not separated by fire-rated construction due to openings and penetrations.	Separate the generator and transformer room by a minimum 2-hr fire-rated construction. Seal all openings to maintain the required fire separations.	Within 3 months
				
F-2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Location: Ground floor-General storage, Fabric storage. 3rd floor-production area and stairwell.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Storage maximum height of 2.4m and maximum area of 23m2	Within 3 months



F-3	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 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.	Within 3 months
			If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	



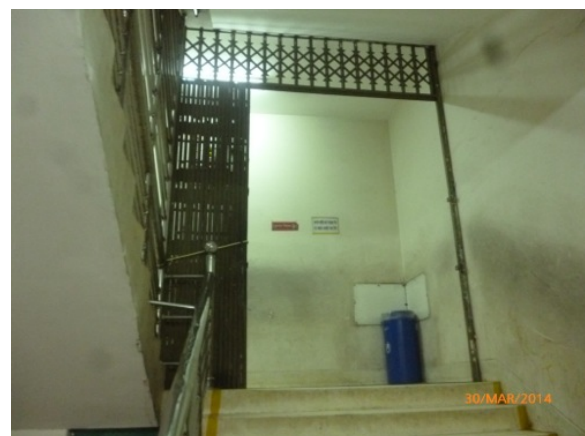


F-4	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.	Within 3 months
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F-5	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs and exit discharge. All gates and 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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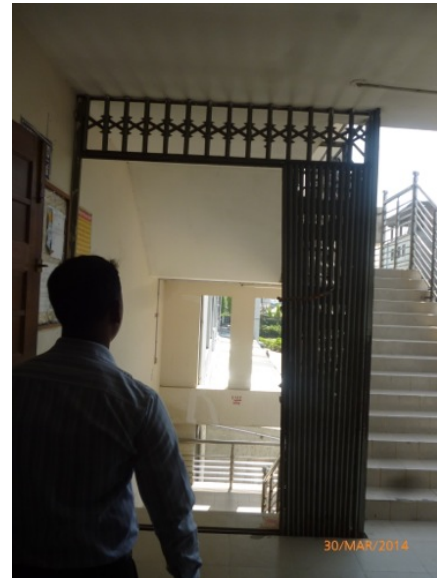




F-6	Egress	Storage was located in the exit stair at 5th floor finished goods store.	Remove all storage from exit stairs and egress paths.	Immediate
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F-7	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs and exit 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-8	Egress	West exit stairwell doors serving 50 or more occupants 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-9	Egress	Exit capacity in 2nd floor (806) is not adequate for the occupant load (853).	Specify appropriate upgrade based on conditions: - Reduce occupant load to not more than available exit capacity.	Within 3 months
F-10	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system were not available.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-11	Egress Lighting	Exit sign not provided at 1st floor office	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Immediate



F-12	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 1 month
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F-13	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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