

FIRE SAFETY INSPECTION REPORT

MUAZUDDIN KNIT FASHION LIMITED
PLOT # B-31, EAST CHANDURA, KALIAKOIR,
GAZIPUR



ACC  **RD**
on Fire and Building Safety in Bangladesh

March 18, 2014

SUMMARY


Muazuddin Knit Fashion Limited was surveyed for fire safety on 3/18/2014 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	Hazardous materials stored on level 4 are not separated by fire-rated construction.	Separate the hazardous materials / flammable liquid 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
				
F-2	Fire Rated Construction	Boilers located on Levels 2 and 5 are not separated by fire-rated construction.	Separate the boilers from adjacent areas 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	Areas used for combustible storage are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
			<p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - Maximum height of 2.4m and maximum area of 23m² 	
			<p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	



F-4	Fire Rated Construction	The exit stairs are not separated from work areas, storage rooms, wash rooms, and other adjacent 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.	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-5	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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Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.



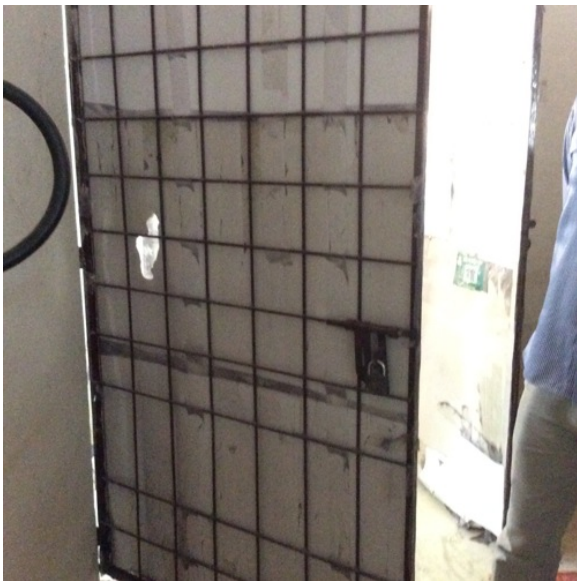
F-6	Egress	Collapsible gates / sliding doors are provided at building exits and exit stairs. Gates cross egress paths on Levels 1 and 4.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-7	Egress	Storage was located in both exit stairs in multiple locations.	Remove all storage from exit stairs and egress paths.	Immediate
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F-8	Egress	<p>Egress doors / gates with locking features are provided at building exits, exit stairs, and along egress routes.</p> <p>All gates/doors were open and unlocked during the inspection.</p>	<p>Remove locking features from all egress doors / gates.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	<p>Within 1 month</p>
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F-9	Egress	The southwest exit stair discharges inside the building at the main building entrance.	Provide a 2-hr fire-rated exit passageway leading directly outside. Recommend designing the passageway such that it is completely separated from the ground floor entrance to the knitting area.	Within 6 months
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F-10	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-11	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-12	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-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.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in addition to the manual fire alarm stations.	Within 6 months

F-14	Egress Lighting	Exit signage provided in the ground level knitting area is insufficient.	Provide additional directional exit signage so that exit locations are easily identifiable.	Within 3 months
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