

# **FIRE SAFETY INSPECTION REPORT**

## **HMN FASHION LIMITED**

**HOLDING 1, BLOCK C, SHAHEED MOSHARRAF  
HOSSAIN ROAD, PURBO CHADORA, SHAFIPUR,  
KALIAKOIR**



**ACCORD**  
on Fire and Building Safety in Bangladesh



April 6, 2014

## **SUMMARY**

**HMN Fashion Limited was surveyed for fire safety on 06-04-2014 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.**

**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
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F-1	Fire Rated Construction	<p>Hazardous materials / flammable liquid storage areas are not separated by fire-rated construction (openings).</p> <p>Location:                      -Fuel storage area adjacent to main generators.                      -Electric fire pump not covered in an open area.</p>	<p>Separate the hazardous materials / flammable liquid storage areas by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.</p>	Within 3 months
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F-2	Fire Rated Construction	<p>The boilers, generators, and transformer room are not separated from adjacent areas by fire-rated construction (openings, non-rated doors, penetrations).</p>	<p>Separate the boilers, generators, and transformer rooms by a minimum 2-hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations.</p>	Within 3 months
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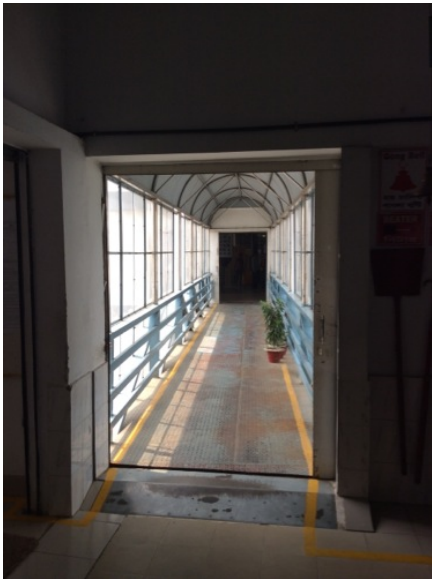


F-3	Fire Rated Construction	<p>Areas used for combustible storage are not separated by fire-rated construction.</p> <p>Locations: Multiple floors in factory areas.</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> <li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months
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F-4	Fire Rated Construction	The exit stairs and Second floor bridge leading to Liz Fashion Industry Limited Building 1 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 and bridge 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	Unsealed penetrations and openings are located in the fire-rated wall and ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.	Within 3 months
		Location: All floors.	Seal all penetrations and openings in wall and ceiling assemblies to maintain the fire separation.	



F-6	Fire Rated Construction	Unsealed penetrations and openings are located in 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-7	Fire Rated Construction	Exposed steel, corrugated metal roofing, and a reflective material is used to cover the exit stairs and a portion of the factory floors, which does not constitute the classification of fire-rated construction for the stairs.	Enclose the exit stairs with a minimum 2-hr fire-rated construction.	Within 3 months
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F-8	Egress	<p>Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and exit discharge.</p> <p>Locations: Collapsible gates and sliding doors on all floors. Doors were open and unlocked during the survey.</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>	Immediate
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F-9	Egress	<p>Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge.</p> <p>Locations: Collapsible gates and sliding doors on all floors.</p>	<p>Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	Within 1 month
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F-10	Egress	Exit stairs discharge inside the building.	Modify stair to discharge directly outside or provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
		<p>Location: Private exit stair for offices located on each floor near north side of building discharges to the Ground floor lobby that contains the main exit but is not enclosed in fire-rated construction.</p>		



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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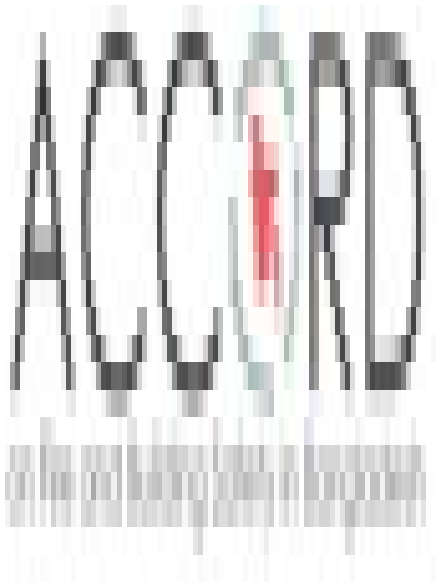


F-12	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system were not available.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
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F-13	Egress Lighting	Exit sign not provided at exit.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
		Location: Office areas at north side of building on all floors.		



F-14	Egress Lighting	Storage areas on the Ground floor are dark due to a low level of lighting and storage is stacked above eye level. Illuminated, directional exit signage is not provided.	Provide illuminated, directional exit signage throughout so that the direction of paths of egress are clearly indicated.	Within 1 month
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F-15 Egress Lighting

Various exit signs at exit stairs on each floor are recessed above the stair door.

Move exit signs forward so that they are directly above the exit and visible from distances nearer the exit.

Within 1 month



F-16	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
		Locations: All areas.		

