

FIRE SAFETY INSPECTION REPORT

AMAN KNITTING

**NAJIM NAGOR, SINGAIR ROAD, HAMEYETPUR,
SAVER DHAKA**

OTHER FACTORIES: NONE



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

July 11, 2014

SUMMARY

Aman Knitting was surveyed for fire safety on 7/11/2014 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	Flammable liquid storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: Outside near transformer.	Separate the 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	Areas used for combustible storage are not separated by fire-rated construction. Location: On all floors.	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 23m ² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m ² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-3	Fire Rated Construction	Rooms used for combustible storage are not separated by fire-rated construction. Location: On all floors	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-4	Fire Rated Construction	The boiler, generator and transformer rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: Ground floor main building, and separate shed.	Separate the boiler, generator and transformer 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-5	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-6	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies. Location: On all floor electrical supply for all floors	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-7	Fire Rated Construction	<p>Unsealed penetrations and openings are located in exit stair enclosures.</p> <p>Location: Southeast stairwell has open windows from the factory floor to stairwell first, second, third and fourth floors.</p>	<p>Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.</p>	<p>Within 3 months</p>
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F-8	Egress	<p>Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, exit discharge.</p> <p>Location: On all floors the 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>	Immediate
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F-9

Egress

Storage was located in the exit stair.
Location: Ground floor storage under stairs.

Remove all storage from exit stairs and egress paths.

Immediate



F-10 Egress

Storage was located in the egress path.
Location: On all floors.

Keep egress paths and stairs clear of storage.

Immediate



F-11	Egress	<p>Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, exit discharge. Location: On all floors.</p>	<p>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.</p>	<p>Within 1 month</p>
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F-12 Egress

The width of egress aisles is less than 36-in.
Location: On all floors.

Provide minimum aisle widths of 36-in.

Within 3 months



F-13	Fire Protection	<p>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. Location: Shed paper cone section.</p>	<p>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.</p>	<p>Within 1 months</p>
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F-14	Fire Protection	Inspection, testing, and maintenance of the fire alarm system is 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
F-15	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. Location: Shed paper cone section.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months





F-16	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.). Location:	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
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F-17	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	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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F-18	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: On all floors. Specify location(s)	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
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