

# **FIRE SAFETY INSPECTION REPORT**

**REEDISHA KNITTEX  
DHANUA, NAYANPUR, SREEPUR**

**OTHER FACTORIES: NONE**



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



April 29, 2014

## **SUMMARY**


**Reedisha Knittex was surveyed for fire safety on 4/29/2014 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 - 4 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 - Dyeing Shed**

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	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
				
F-2	Egress	Egress doors with locking features were provided throughout the building.	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



F-3	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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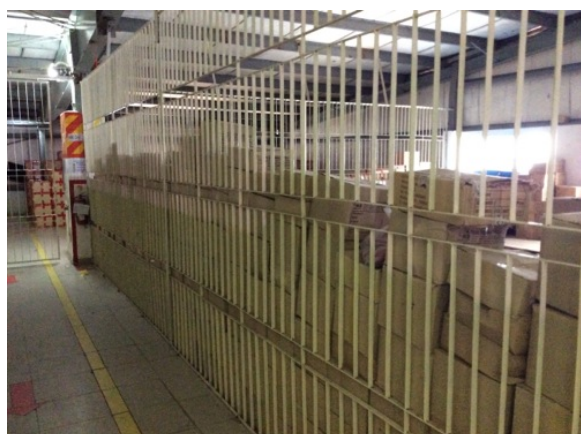
F-4	Fire Protection	Inspection, testing, and maintenance of the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
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F-5	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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**Table 2. Findings And Recommendations - Printing section**

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Storage rooms used for combustible storage are not separated by fire-rated construction from the adjacent production area.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months





F-2 Egress

Egress doors and gates with locking features are provided throughout the stairwells, building exits, along the exit routes and exit discharges.

Remove locking features from all egress doors / gates.

Immediate

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.





F-3	Egress	Collapsible gates and sliding doors are provided at building exits.	Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 3 months
			If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	



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F-4	Fire Protection	The fire alarm system is conventional, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm enunciation system with a new, listed addressable fire alarm enunciation system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-5	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
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F-6	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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**Table 3. Findings And Recommendations - Garments Building**

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Storage rooms and process areas throughout the building used for combustible storage are not separated by fire-rated construction.	<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



F-2	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.  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-3	Egress	Egress doors and gates with locking features are provided throughout the stairwells.	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-4	Egress	Storage was located in the NE and SW exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-5	Egress	Exit capacity (643) is not adequate for the occupant load (1500) from the dining room.	Immediately reduce occupant load to not more than available exit capacity.  If possible, provide additional exits in the future to increase exit capacity.	Immediate
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F-6	Egress	The width of egress aisles is less than 36-in. on floor 5.	Provide minimum aisle widths of 36-in.	Within 3 months
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F-7	Egress	Common path of egress travel exceeds 30 m. in the ground floor storage room.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m.	Within 3 months
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F-8	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-9	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
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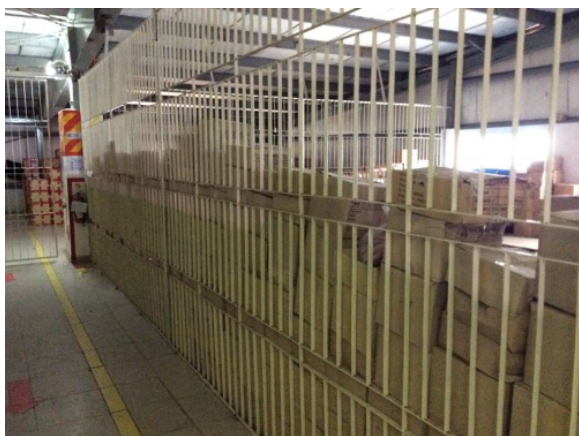


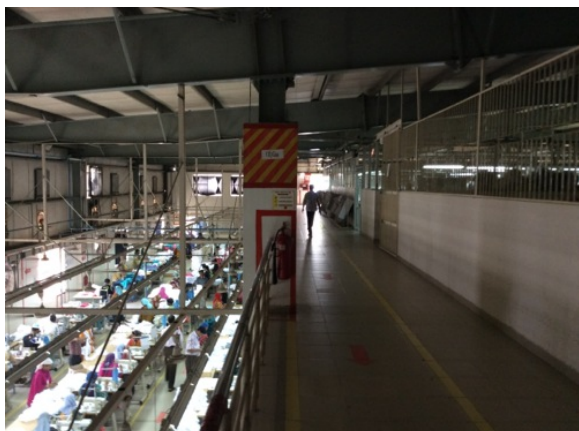
F-10	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not available.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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**Table 4. Findings And Recommendations - Knitting, master and sample**

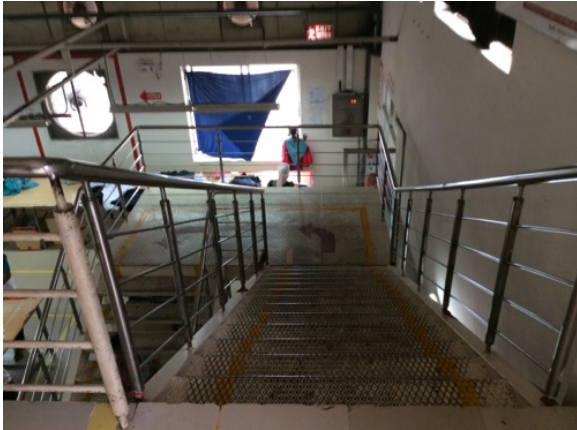
No.	Category	Finding	Recommendation	Remediation Timeframe
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F-1	Fire Rated Construction	Storage rooms in the second floor and ground floor used for combustible storage are not separated by fire-rated construction from the adjacent production area.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-2	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	<p>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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 months
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F-3 Egress

Egress doors and gates with locking features are provided throughout the stairwells, building exits, along the exit routes and exit discharges.

Remove locking features from all egress doors / gates.

Immediate

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.

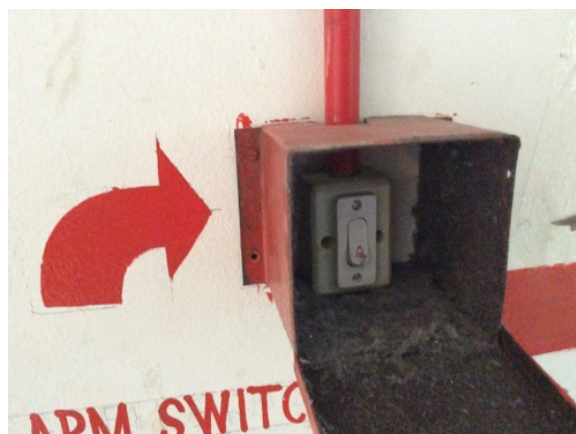




F-4	Egress	Exit capacity is not adequate for the occupant load of the first floor.	Provide additional exits.	Within 3 months
F-5	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs, along egress routes and exit discharges.	Replace all gates and sliding doors along the 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 3 months



F-6	Fire Protection	The fire alarm system is conventional, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm enunciation system with a new, listed addressable fire alarm enunciation system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-8	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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