

# **FIRE SAFETY INSPECTION REPORT**

## **DIP KNITWEAR LTD.**

**HAMID PLAZA-2, DAGERCHALA ROAD, NATIONAL  
UNIVERSITY, GAZIPUR SADAR, GAZIPUR**



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

May 11, 2014

## **SUMMARY**

**Dip Knitwear Ltd. was surveyed for fire safety on 5/11/2014 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	The transformer/sub station room is not separated by fire-rated construction.	Separate the transformer/sub station 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-2	Fire Rated Construction	Areas used for storage are not separated by fire-rated construction. This applies to the dedicated storage on the ground and first floors southeast side of the first floor where open storage is on the factory floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction on the ground floor. on the first floor where separate storage rooms may not be feasible, provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.4m and maximum area of 23m <sup>2</sup> . If sprinkler protected: maximum height of 3.66m and maximum area of 93m <sup>2</sup>	Within 3 months
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F-3	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.	Within 3 months
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If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.





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F-4	Fire Rated Construction	Areas used for storage are not separated by fire-rated construction. This was located in the second floor work stations and the first floor south west side of the building.	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 <sup>2</sup> .  Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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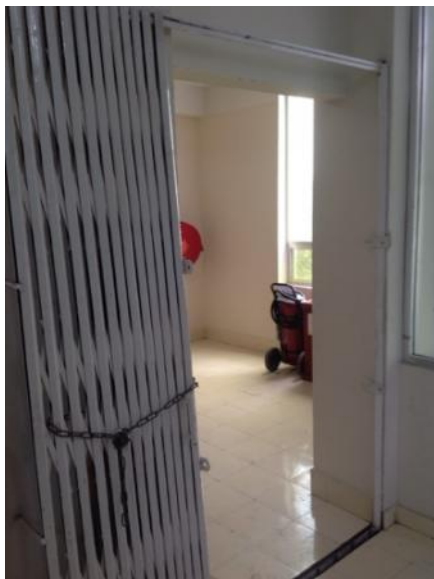
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F-5	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures of the north stairwell.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-6	Egress	<p>Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, exit discharge.</p> <p>These locking features can be found on all exits, on all floors throughout the factory.</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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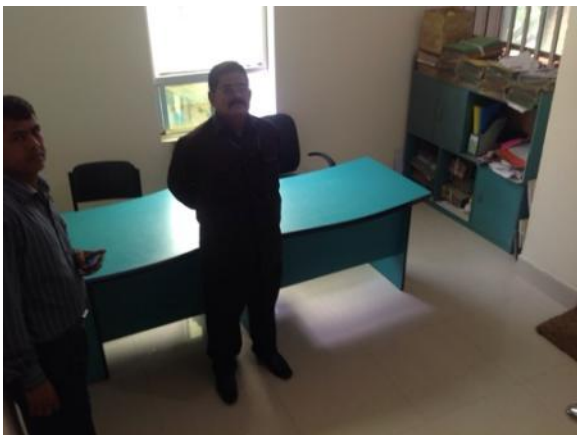


F-7 Egress

Storage was located in the exit stair in the north exit first floor landing.

Remove all storage from exit stairs and egress paths.

Immediate



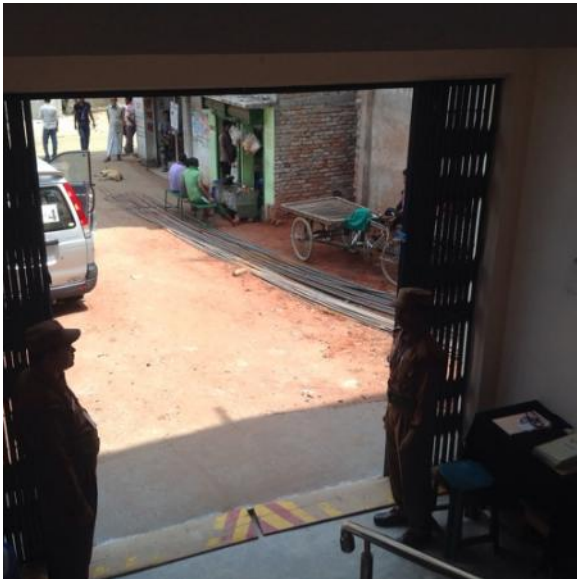
F-8 Egress

Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, exit discharge throughout the facility.

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.



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F-9	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-10	Fire Protection	Inspection, testing, and maintenance for the emergency lighting, fire alarm and detection systems were not in accordance with NFPA standards.	Inspect, test and maintain the fire alarm, fire detection and emergency lighting systems, and keep written records on-site, in accordance with NFPA standards.	Within 3 months
F-11	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-12	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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