

# **FIRE SAFETY INSPECTION REPORT**

**CROWN KNIT WEAR, LTD.  
PLOT NO. 781-782, VOGRA**



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

March 16, 2014

## **SUMMARY**

**Crown Knit Wear, Ltd. was surveyed for fire safety on 3/16/2014 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	<p>The boiler / generator / transformer rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations).</p> <p>Ground floor.</p>	<p>Separate the boiler / generator / transformer rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations</p>	<p>Within 3 months</p>





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F-2	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-3	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-4	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-5	Fire Rated Construction	<p>Areas used for combustible storage are not separated by fire-rated construction.</p> <p>Throughout building.</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-6	Egress	<p>Egress doors / gates with locking features are provided at building exits, and exit stairs.</p> <p>Pad locks on sliding and roll down gates were open and unlocked at time of 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-7	Egress	Storage was located in the egress path.  3rd floor	Keep egress paths and stairs clear of storage.	Immediate
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F-8	Egress	Storage was located in the exit stair.  Several locations.	Remove all storage from exit stairs and egress paths.	Immediate
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F-9 Egress

Collapsible gates / sliding doors are provided at building exits, and exit stairs.

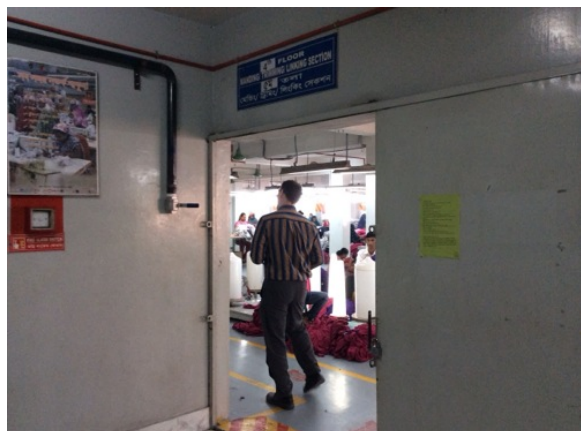
Throughout building.

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.

Within 1 month





F-10	Egress	The width of egress aisles is less than 36-in.	Provide minimum aisle widths of 36-in.	Within 3 months
		Several locations on factory floor.		



F-11	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs and egress paths.	Within 3 months
		Throughout building		

F-12	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-13	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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