

FIRE SAFETY INSPECTION REPORT

BLUE PLANET KNIT WEAR LTD. BARMI-MAONA ROAD



March 29, 2014

SUMMARY

Blue Planet Knit Wear Ltd. was surveyed for fire safety on 29-03-2014 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 - 2 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 - Main building BluePlanet Knit Wear, Ltd

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The boiler room was not separated by fire-rated construction (openings, non-rated doors, penetrations). Ground floor.	Separate the boiler 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	The exit stairs 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 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	Areas used for combustible storage are not separated by fire-rated construction. Fabric store on second floor.	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 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-4	Egress	Egress doors / gates with locking features are provided at building exits, and exit stairs. Pad locks on doors were unlocked and open at time of inspection.	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-5	Egress	The width of egress aisles is less than 36-in. On second floor.	Provide minimum aisle widths of 36-in.	Within 3 months
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F-6	Egress	Collapsible gates / sliding doors are provided at building exits, and exit stairs. Sliding gates at all egress stairs.	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 3 months
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F-7	Egress	Common path of egress travel exceeds 30 m. Knitting area on ground floor.	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	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. Each floor had single horn activated by a single manual activation switch.	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.	Within 1 months
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F-10	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
F-11	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage. All floors had only one horn and no light.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months



F-12	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.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in addition to the manual fire alarm stations.	Within 6 months
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F-13	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.). On sixth floor in office and fourth floor.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month
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F-14	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.). Third, first and ground floors.	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
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Table 2. Findings And Recommendations - Security building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Egress	Egress doors / gates with locking features are provided at [building exits, exit stairs, along egress routes, exit discharge]. Main door was open and unlocked the inspection.	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-2	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards. No fire alarm system provided.	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

F-3	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage. No fire alarm system provided.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months
F-4	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. In building no emergency lighting provided.	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
