

FIRE SAFETY INSPECTION REPORT

CRYSTAL MARTIN APPAREL BANGLADESH LIMITED

ACCORD ID: 11819

**203, HABIRBARI, SEEDSTORE, VALUKA,
MYMENSINGH.**

OTHER FACTORIES: HAMID TEX FASHION



ACCORD
on Fire and Building Safety in Bangladesh

February 28, 2015

SUMMARY

Crystal Martin Apparel Bangladesh Limited was surveyed for fire safety on 2/28/2015 by Jensen Hughes. 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 fire pump room is not provided with adequate fire rated separation on the utility shed.	Provide fire pump room with 2 hr. rated fire separation when not sprinklered in accordance with NFPA 20.	Within 3 months
				
F-2	Fire Rated Construction	The compressor room is not separated by fire-rated construction from the fire pump.	Separate the compressor room by a minimum 1-hr fire-rated construction for non-high rise. Seal and protect all openings to maintain the required fire separations. When located to the exterior of a building, 3m (10 ft.) separation is required. Provide proper ventilation and consult a qualified engineer.	Within 3 months



F-3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire-rated construction on ground floor cutting and sewing area and mezzanine 4.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m ² (250 ft ²). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-4	Fire Rated Construction	Rooms used for combustible storage are not separated by fire-rated construction on ground floor, mezzanine 2 and 3.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-5	Egress	Building did not have stair designation signs at floor entrances. Building did not have occupant load signs at exits.	Provide stair designation signs and occupant load signs at required locations.	Immediately
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F-6	Egress	Egress doors with locking features are provided at building exits and along egress routes. Egress gates with locking features are provided along egress routes. All doors were not open and unlocked during the inspection.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately
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F-7	Egress	Storage was located in the egress path on the ground floor storage, cutting section and mezzanine 3.	Keep egress paths and stairs clear of storage.	Immediately
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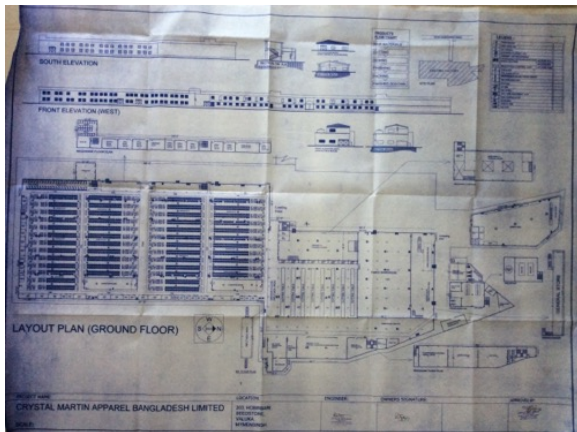
F-8	Egress	Storage was located in the exit stairs from mezzanine 2 and 4.	Remove all storage from exit stairs and egress paths.	Immediately
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F-9	Egress	Sliding doors are provided along egress routes.	Replace all sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.	Within 1 month
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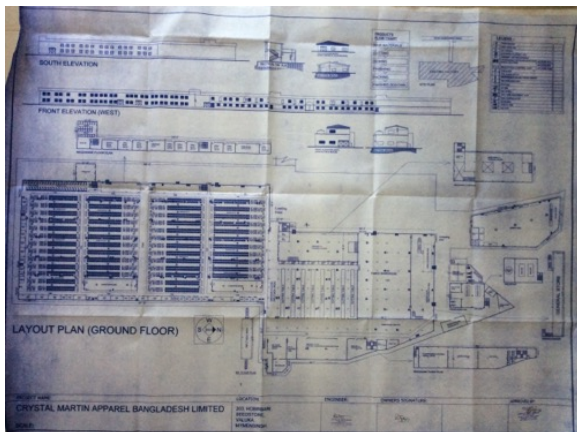
F-10	Egress	Dead-end aisle exceeds 15 m (50 ft.) on the mezzanine 1.	Reconfigure the egress arrangement to reduce the maximum dead-end distance to not more than 15 m (50 ft.).	Within 3 months
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F-11	Egress	West exit door serving more than 500 occupants does not swing in the direction of egress travel.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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F-12	Egress	Travel distance of egress exceeds limit from ground floor sewing and cutting area and mezzanine 4.	Reconfigure the egress arrangement or provide an additional exit to reduce the maximum travel distance to not more than 60 m (200 ft.) when a complete automatic fire alarm, portable fire extinguishers, and standpipe are present. Or reduce the maximum travel distance to 45 m. (150 ft.) if the above requirements are not met.	Within 3 months
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F-13	Fire Protection	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 months
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F-14	Fire Protection	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on-site, in accordance with NFPA 10.	Within 3 months
F-15	Fire Protection	Inspection, testing and maintenance for 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-16	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 3 months
F-17	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14.	Within 3 months
F-18	Fire Protection	Fire pump did not meet ACCORD standard 5.5.1 and 5.5.1.1.	Update current fire pump or provide a new fire pump that meets ACCORD standard 5.5.	Within 6 months



F-19	Egress Lighting	Exit signage was not provided at exit stairs from the mezzanine floors.	Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious.	Within 1 month
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F-20	Egress Lighting	Exit signage not illuminated at the exit from mezzanine 4.	Regularly inspect all exit signage and replace and install lights as needed to illuminate signs. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2 cd/m ² may also be used.	Within 1 month
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F-21	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 the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
F-22	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on the exit stairs.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months
