

FIRE SAFETY INSPECTION REPORT

**ORBITEK KNITWEAR LIMITED.
GORAT, SARKER MARKET ROAD, ASHULIA, DHAKA
-1341**

OTHER FACTORIES: DEBONAIR LIMITED.



ACCORD
on Fire and Building Safety in Bangladesh

July 1, 2014

SUMMARY

Orbitex Knitwear Limited. was surveyed for fire safety on 7/1/2014 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
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F-1	Fire Rated Construction	The boiler and generator room is not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the boiler and generator room by a minimum 2-hr fire-rated construction. Seal and protected all openings to maintain the required fire separations	Within 3 months
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F-2	Fire Rated Construction	The storage room on ground floor are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Fire Rated Construction	Areas used for combustible storage on all floors are not separated by 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 ² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m ² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-4	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-5	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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F-6	Fire Rated Construction	Unsealed penetrations and openings(window) are located in exit stair enclosures on ground floor.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-7	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs and exit discharge.	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.	Immediate
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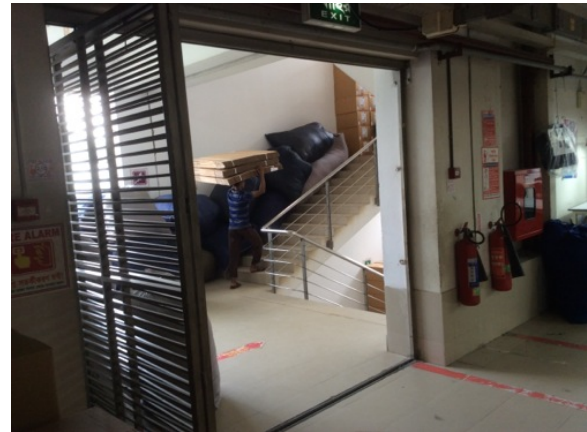
F-8	Egress	Storage was located in the egress path on all floors.	Keep egress paths and stairs clear of storage.	Immediate
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F-9	Egress	Storage was located in the all exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-10	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs and exit discharge.	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 1 month
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F-11	Egress	Handrails are not provided in the exterior exit stairs.	Provide handrails on at least one side of exit stair.	Within 3 months
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F-12	Egress	South, SE and SW exit stairs discharge inside the building.	Modify stair to discharge directly outside.	Within 6 months
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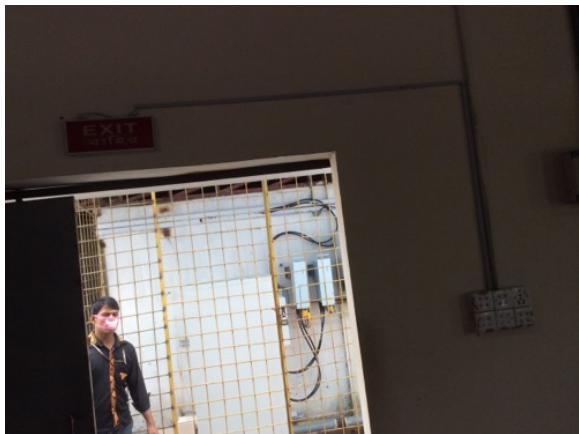
F-13	Fire Protection	Inspection, testing, and maintenance of the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-14	Fire Protection	Based off observations, the existing smoke detectors tied to the fire alarm were not adequately provided on each floor at work areas. Manual pull station was not tied into the fire alarm system.	Based on ceiling configuration, provide additional detectors where needed, and space them in accordance with NFPA 72. Manual pull station tied into the fire alarm system, in accordance with NFPA 72.	Within 3 months



F-15	Egress Lighting	Exit signage not illuminated (broken) at dining area.	Regularly inspect all exit signage and replace or install lights as needed to illuminate signs.	Within 1 month
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F-16	Egress Lighting	Manual on-off switch is provided for exit signage units.	Remove manual on/off switches from emergency lighting and exit signage units to prevent them from being switched off.	Within 1 month
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F-17	Egress Lighting	Exit sign not provided at exit.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
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F-18	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 accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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