

FIRE SAFETY INSPECTION REPORT

ORIENT ALLURE KNITWEAR LTD.

ACCORD ID: 12324

**6/10- SHALIKCHURA, EARSHEDNAGOR, TONGI,
GAZIPUR, BANGLADESH**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

October 26, 2015

SUMMARY

Orient Allure Knitwear Ltd. was surveyed for fire safety on 10/26/2015 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	Diesel fuel storage was located inside the generator room.	Remove all diesel fuel storage from the generator room and relocate to the exterior such that the diesel fuel storage is at least 10 ft from required egress paths. If located along egress paths or in a utility building, separate the diesel fuel storage with 2-hr fire rated construction. There shall be no diesel fuel storage in a factory production building.	Immediately
				
F-2	Fire Rated Construction	Electrical panels were located in the east exit stair enclosure.	Remove and re-locate all electrical panels from exit stair enclosures.	Within 3 months



F-3	Fire Rated Construction	Exit access corridors are not provided with 1 hr fire resistance rating or approved NFPA 13 sprinkler system.	Provide exit access corridors with 1 hr fire resistance rating or approved NFPA 13 sprinkler system.	Within 3 months
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F-4	Fire Rated Construction	The industrial dryers are not separated by fire-rated construction due to openings.	Separate the industrial dryer area by a minimum 2-hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult with a qualified engineer.	Within 3 months
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F-5	Fire Rated Construction	The boiler and compressor room is not separated by fire-rated construction due to openings and non-rated doors.	Separate the boiler and compressor room by a minimum 1-hr fire-rated construction for non-high rise. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer. When located to the exterior of a building, separate the compressor by a minimum distance of 3m (10 ft).	Within 3 months
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F-6	Fire Rated Construction	Areas used for combustible storage on ground floor open to the factory are not properly defined and/or not within limits.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8 ft) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10 ft).	Within 3 months
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F-7	Fire Rated Construction	Rooms used for combustible storage on ground floor are not separated by a minimum 1-hr fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-8	Fire Rated Construction	All exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction due to unprotected openings and penetrations.	Separate the exit stairs from from work areas and other building spaces on all floor levels by minimum 2-hr fire-rated construction. Provide minimum 1.5-hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation.	Within 3 months
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Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.





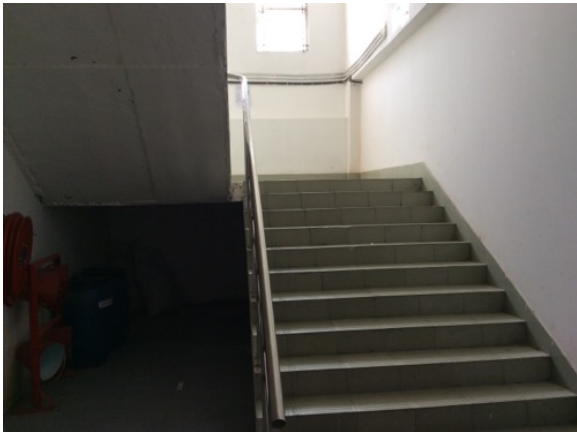
F-9	Egress	Egress doors and gates with locking features are provided at building exits and exit stairs	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2.	Immediately
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F-10	Egress	Sliding doors are provided at building exits and exit stairs	Replace all gates and 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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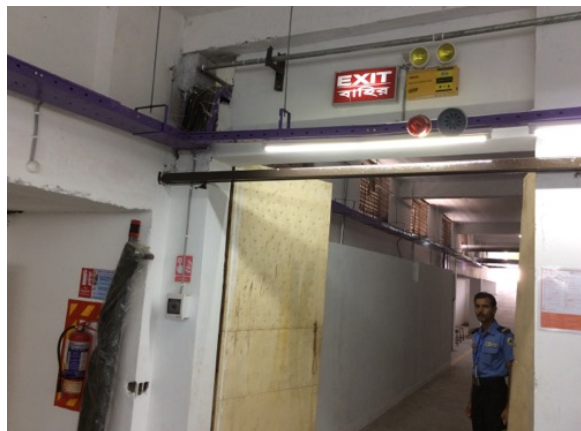
F-11	Egress	Handrails are not provided on both sides of the exit stair and ramp.	Provide handrails on both sides of the exit stair and ramp. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.) .	Within 3 months
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F-12	Egress	West exit stair do not discharge directly to the outside.	Modify stair to discharge directly outside or provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-13	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 automatic fire alarm system in accordance with NFPA 72 and ACCORD standards.	Design within 4 months, install within 9 months
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F-14	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 and ACCORD standards.	Within 3 months
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F-15	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 and ACCORD standards.	Within 3 months
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F-16	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 and ACCORD standards.	Within 3 months
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F-17	Fire Protection	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months
F-18	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.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72 and ACCORD standards.	Within 9 months
				
F-19	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in the accordance with ACCORD standards. Keep written records on-site.	Within 3 months

F-20	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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
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