

FIRE SAFETY INSPECTION REPORT

**PEAK APPARELS LTD.
VOGRA, JAYDEVPUR, GAZIPUR, DHAKA**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh



August 31, 2014

SUMMARY

Peak Apparels Ltd. was surveyed for fire safety on 8/31/2014 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	The elevator shaft adjacent to the northwest exit stair had unprotected openings on all floors. Reportedly an elevator is to be installed within the shaft before the building is utilized for factory operations.	Install an elevator in the shaft before before occupying the building with factory operations. If no elevator is installed within the shaft when factory operations begin, seal the shaft on all floors.	Immediate





F-2	Fire Rated Construction	The electrical riser adjacent to the southwest exit stair had unprotected openings on all floors.	Seal the electrical riser on all floors before occupying the building with factory operations.	Immediate
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F-3	Fire Rated Construction	The ground floor boiler room is not separated by fire-rated construction due to a penetration and possible non-rated doors. The room was provided with a reported fire door, however no rating label from the manufacturer was present on the door. Though not completely installed, the door was also not provided with panic hardware or self closing hardware.	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
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F-4	Fire Rated Construction	Rooms used for combustible storage are not separated by fire-rated construction. Specifically, the building has three (3) dedicated storage rooms on the ground floor (accessory store, yarn store, finish fabric store).	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. All three (3) storage rooms were located adjacent to each other. Unprotected openings from one storage room to another are acceptable however, all openings to factory floors, egress routes and exit stairs must be provided with fire-rated separation.	Within 3 months
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F-5	Fire Rated Construction	<p>All exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction. Both the southwest exit stair (second and third floor) and the east exit stair (all floors) were provided with reported fire doors, however no rating label from the manufacturer was present on the doors. Though not completely installed, the doors were also not provided with panic hardware or self closing hardware.</p> <p>The northwest exit stair also had a wash room that discharged to the exit enclosure no the first, second and third floor.</p>	<p>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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p> <p>Provide the wash rooms discharging to the northwest exit stair with fire-rated separation on all floors. Alternately, relocate access to the washroom by means of the factory floor and seal the existing access doors.</p>	Within 3 months
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F-6	Fire Rated Construction	Unsealed penetrations (boiler piping) are located in the fire-rated floor/ceiling assemblies of the ground, first and second floors.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-7	Fire Rated Construction	The northwest exit stair was unenclosed in fire-rated construction on the ground floor.	Enclose all exit stairs in 2-hr fire-rated construction on all floors.	Within 3 months
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F-8	Fire Rated Construction	The discharge path serving the east exit stair is less than 10 ft wide and is not separated from the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation.	Within 6 months
			Alternatively, provide a second remote discharge path to the public way. Ensure the common path of travel along the second path is less than 100 ft. and that the path is kept unobstructed and even along the means of egress.	



F-9	Egress	Egress doors with locking features are provided at building exits and exit stairs. All doors were open and unlocked during the inspection.	Remove locking features from all egress doors before occupying the building with factory operations. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-10	Egress	No emergency evacuation plans were provided in the building at the time of the inspection.	Provide emergency evacuation plans throughout the building in accordance with The ACCORD standard before occupying the building with factory operations.	Immediate
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F-11	Egress	An uneven walking surface is present after discharge from the northwest exit star.	Before occupying the factory with normal operations, provide a clear and even discharge path along all egress routes.	Immediate
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F-12	Egress	Sliding doors are provided along egress routes.	Replace all sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month
			If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	



F-13	Egress	<p>The egress doors to the northwest exit stair did not swing in the direction of egress travel on all floors. These doors are required to be fire-rated doors, ensure that once installed the new doors swing in the direction of egress travel.</p> <p>Also, the west egress door from the ground floor knitting section did not swing in the direction of egress travel.</p>	<p>Modify the egress door to swing in the direction of egress travel.</p>	<p>Within 3 months</p>
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F-14	Egress	<p>Handrails are not provided throughout the southwest exit stair.</p>	<p>Provide handrails on at least one side of exit stair.</p>	<p>Within 3 months</p>
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F-15	Egress	<p>The exits from the first floor office area are not remotely located from each other such that a single fire event could compromise both exits. An approximate exit separation of 63 ft. is required and the exits are separated by approximately 58 ft.</p> <p>If sprinkler protection is provided throughout the building, an exit separation of 42 ft. is permitted.</p>	<p>Provide additional remote exit.</p> <p>Alternately, provide sprinkler protection in accordance with NFPA 13.</p>	Within 6 months
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F-16	Fire Protection	At the time of the inspection the building height was approximately 52 ft. at the highest occupiable level (fourth floor). Assuming construction of the fifth and sixth floors is done in the same manner as the below floors, the final height of the highest occupiable floor will be greater than 75 ft.	If the height of the sixth floor at the occupiable level is equal to or greater than 75 ft., provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
F-17	Fire Protection	No fire hose cabinets/reels, portable fire extinguishers or manual fire fighting equipment was provided in the building at the time of the inspection.	Provide fire hose cabinets/reels, portable fire extinguishers and manual fire fighting equipment throughout the building in accordance with The ACCORD standard before occupying the building with factory operations.	Immediate
F-18	Fire Protection	At the time of the inspection the building was under construction and not occupied with factory operations. No fire drills had been conducted and none are yet required.	Once normal factory operations begin, conduct fire drills in accordance with The ACCORD standard.	Immediate
F-19	Fire Protection	No fire alarm system or fire detection system was present within the building at the time of the inspection.	Provide a fire alarm and fire detection system throughout the building in accordance with NFPA 72. Once installed, inspect, test and maintain the systems in accordance with NFPA 72. Keep written records on-site.	Within 3 months

F-20	Fire Protection	No sprinkler system was installed in the building at the time of the inspection, though reportedly one is to be provided within the three (3) ground floor storage rooms.	Once installed, inspect, test and maintain the automatic sprinkler system in accordance with NFPA 25. Keep written records on-site.	Within 3 months
F-21	Egress Lighting	No emergency lighting (lighted exit signage, IPS/battery powered lighting) was present within the building at the time of the inspection.	Provide emergency lighting throughout the building in accordance with The ACCORD standard. Once installed, inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months