

FIRE SAFETY INSPECTION REPORT

**EPYLLION STYLE LTD.
BAHADURPUR, BHAWAL, MIRZAPUR**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

May 12, 2014

SUMMARY

Epyllion Style Ltd. was surveyed for fire safety on 5/12/2014 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 - 7story building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	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



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor.	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-3	Fire Rated Construction	Areas used for combustible storage on several 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 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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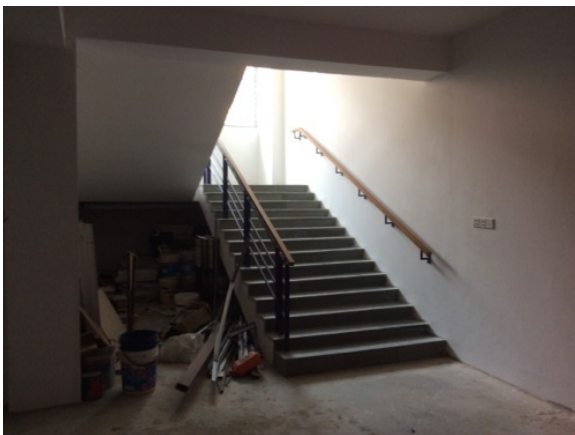


F-4	Fire Rated Construction	The storage room on several floors was unsealed penetrations and openings to the interior of the building are located in fire- rated (wall, floor, ceiling) assemblies.	Seal all penetrations and openings to the interior of the building in wall assemblies to maintain the fire separation.	Within 3 months
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F-5	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
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F-6	Egress	Egress gates with locking features are provided at north side along egress routes.	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-7	Egress	Sliding doors are provided at exit stairs, along egress routes.	Replace all gates and 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-8	Fire Protection	The high-rise building has an occupied floor greater than 23m (75 ft) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
F-9	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was not 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-10	Fire Protection	Inspection, testing, and maintenance records for the fire detection system was not accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-11	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not available.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months

Table 2. Findings And Recommendations - Main building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Hazardous materials storage area is not separated by fire-rated construction.	Separate the hazardous materials and flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and protected all openings to maintain the required fire separations.	Within 3 months
				
F-2	Fire Rated Construction	Areas used for storage ground floor is not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months



F-3	Fire Rated Construction	The corridor is not separated from work areas and other spaces by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the corridor from work areas and other building spaces. 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-4	Egress	Common path of egress travel exceeds 30 m. Specify locations : SE corner and mezzanine 1.(office area)	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-5	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was not 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-6	Fire Protection	Inspection, testing, and maintenance records for the fire detection system was not accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-7	Fire Protection	Based off observations, the existing smoke detectors tied to the fire alarm, heat detectors were not adequately placed.	Based on ceiling configuration, provide additional detectors where needed, and space them in accordance with NFPA 72. Alternatively, when complete sprinkler protection is provided throughout a floor with waterflow devices designed to initiate the alarm notification, smoke and fire detection devices can be eliminated throughout the floor.	Within 3 months



F-8	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not available.	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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