

FIRE SAFETY INSPECTION REPORT

HELICON LTD.

**PLOT # 127, DHAKA EPZ (OLD AREA), GANAKBARI,
SAVAR**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 9, 2014

SUMMARY

Helicon Ltd. was surveyed for fire safety on 6/9/2014 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	Areas used for combustible storage at 1st and 2nd floors are not fire-rated separated from factory floors.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-2	Fire Rated Construction	Areas used for combustible storage at the ground floor are not separated by fire-rated construction.	Provide 1-hour fire-rated walls up to structure and 0.75 hour fire-rated openings.	Within 3 months
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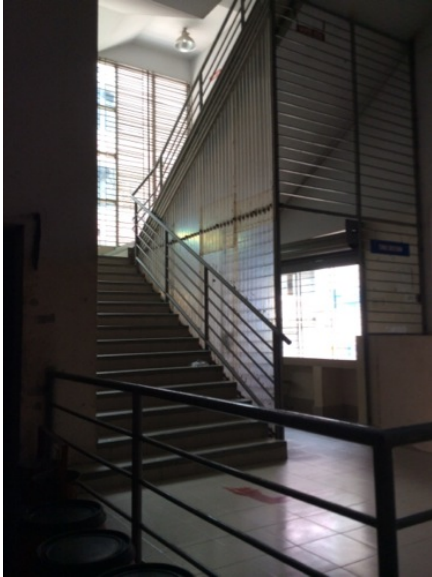
F-3	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Ground, 1st and 2nd floors have areas used for storage without proper separation.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms 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 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.	Within 3 months
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If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.





F-5 Egress

Egress gates with locking features are provided at building exits, exit stairs, along egress routes and exit discharge.

Lockable collapsible gates we're provide at most exits, gates were open and unlocked during the inspection.

Remove locking features from all egress gates.

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.

Immediate



F-6	Egress	Storage was located in the west exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
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F-7	Egress	Collapsible gates are provided at most building exits, exit stairs, along egress routes and exit discharge.	Replace all collapsible gates along the means of egress with side-hinged, swinging egress doors.	Within 1 month
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If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-8	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 addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-9	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was 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
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F-10	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.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system in accordance with NFPA 72.	Within 6 months
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F-11	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not in accordance of the ACCORD standards.	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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