

FIRE SAFETY INSPECTION REPORT

**STERLING CREATIONS LTD.
BARON, EARPUR UNION,ASHULIA, SAVER**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

July 10, 2014

SUMMARY

Sterling Creations Ltd. was surveyed for fire safety on 7/10/2014 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 generator and transformer rooms are not separated by fire-rated construction.	Separate the generator and transformer rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies, specifically the electrical penetrations/ plywood shaft.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.	Within 3 months
-----	-------------------------	---	---	-----------------



F-3	Fire Rated Construction	<p>Areas used for combustible storage on floors 2, 4, 5, and 6 are not separated by fire-rated construction.</p> <p>Rooms used for combustible storage on floor 1 are not separated by fire-rated construction.</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none">- Maximum height of 2.4m and maximum area of 23m²- If sprinkler protected: maximum height of 3.66m and maximum area of 93m² <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months
-----	-------------------------	---	---	-----------------



F-4	Egress	Egress gates and sliding doors with locking features are provided at building exits, exit stairs, and exit discharges.	Remove locking features from all egress gates and doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
-----	--------	--	--	-----------



F-5	Egress	Storage was located in the South exit stair on floor 6.	Remove all storage from exit stairs and egress paths.	Immediate
-----	--------	---	---	-----------



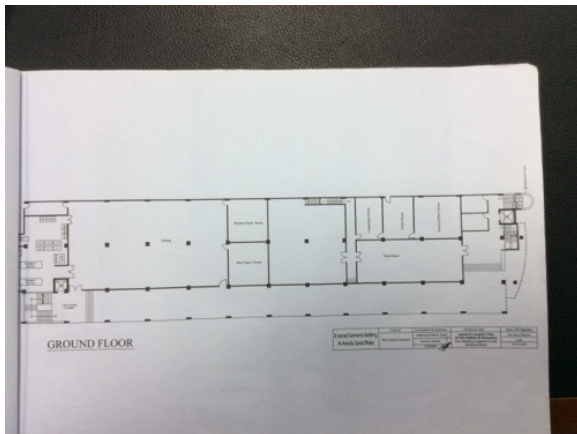
F-6	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs, and exit discharges.	Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
-----	--------	---	--	----------------



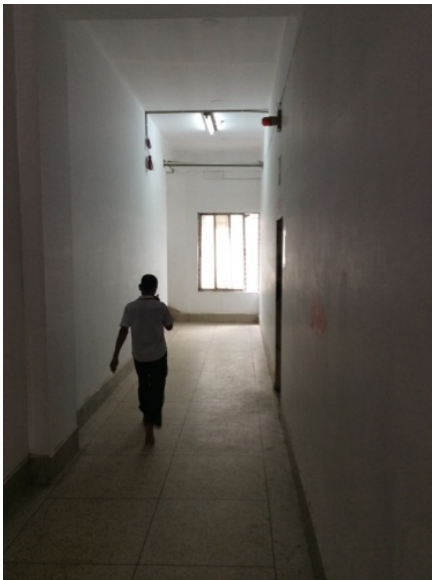
F-7	Egress	The width of egress aisles on floors 2, 4, and 6 is less than 36-in.	Provide minimum aisle widths of 36-in.	Within 3 months
-----	--------	--	--	-----------------



F-8	Egress	Common path of egress travel exceeds 30 m. from women's prayer room.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m.	Within 3 months
-----	--------	--	---	-----------------



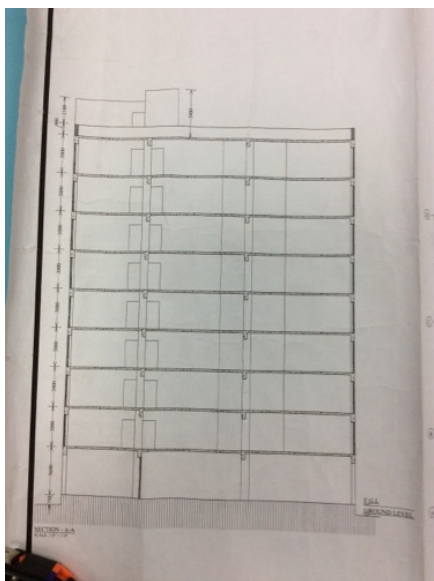
F-9	Egress	Exit stairs discharge inside the building to an interior hall with unprotected openings to storage.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). OR Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
-----	--------	---	--	-----------------



F-10	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
------	-----------------	--	--	---



F-11	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-12	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-13	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.	Within 6 months
------	-----------------	--	---	-----------------



F-14	Egress Lighting	Exit sign not provided at exit from office on floor 1.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
------	-----------------	--	--	----------------



F-15	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
------	-----------------	--	--	-----------------

