

FIRE SAFETY INSPECTION REPORT

SECTION SEVEN LIMITED

**PLOT : 21-24 (PART), SECTOR-3, ROAD - 4, SOUTH
HALISHAHAR, CEPZ, CHITTAGONG**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 11, 2014

SUMMARY

Section Seven Limited was surveyed for fire safety on 6/11/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

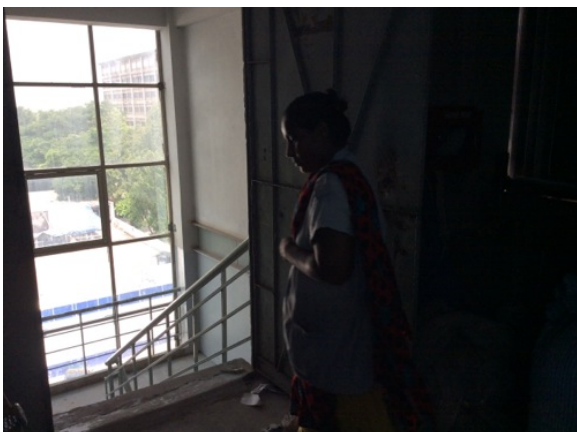
The purpose of this survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The 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 exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction and unclosed fire-rated doors.	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, ceiling and wall assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers and elevators from each floor level.	Within 3 months
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F-3	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-4	Fire Rated Construction	The boiler and transformer room is not separated by fire-rated construction due to openings and non-rated doors on the ground floor. The generator room is not separated by fire-rated construction due to openings and non-rated doors in the West side of the building. The EMR rooms are not separated by fire-rated construction due to non-rated doors on the fourth floor.	Separate the boiler, generator, transformer and EMR room by a minimum 2-hr fire-rated construction. Seal and protect all openings to maintain the required fire separations.	Within 3 months
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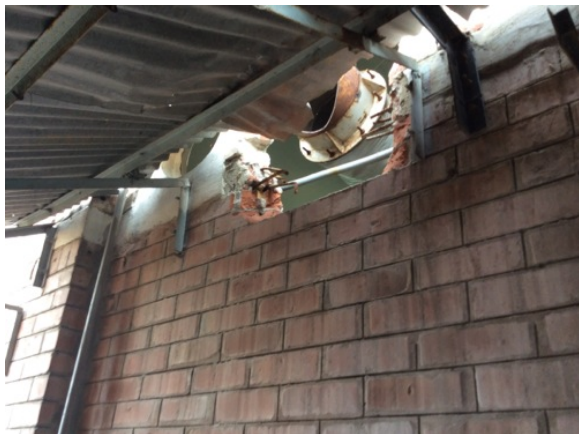
F-5	Fire Rated Construction	Storerooms used for combustible storages are not separated by fire-rated construction on the ground floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-6	Fire Rated Construction	Areas used for combustible storages are open to the factory floor on the first and second floor.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m ² . - Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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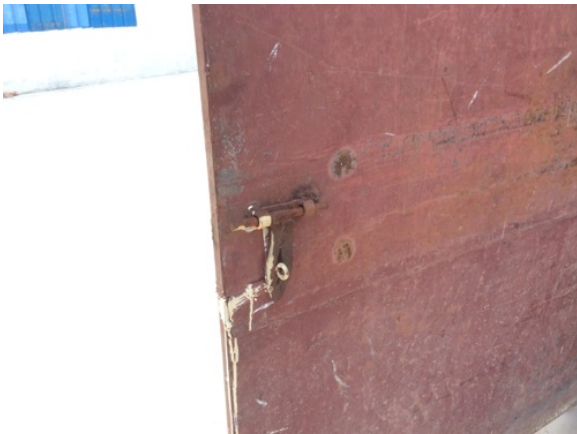


F-7	Fire Rated Construction	The exit discharge path serving North, East, South exit is less than 10 ft wide and is not separated from the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation.	Within 6 months
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F-8	Egress	Exit capacity (1123) is not adequate for the occupant load of second (1211), third (1176) and fourth floor (1359).	Reduce occupant load to not more than available exit capacity (1123). Provide additional exits in the future to increase occupant load.	Immediate
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F-9	Egress	Egress doors and gates with locking features (padlocks, rim latch locks) are provided at building exits, exit stairs, along egress routes and exit discharges. All gates and doors are not open and unlocked during the inspection.	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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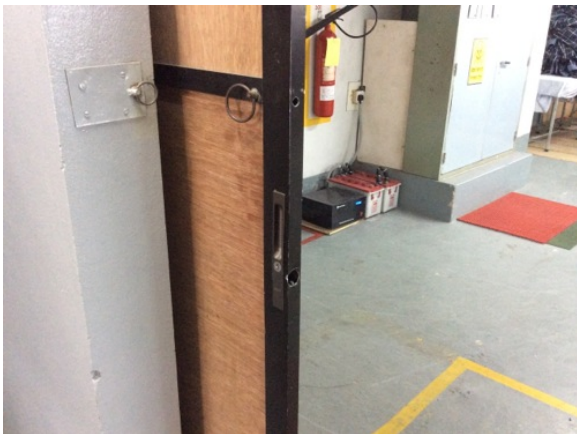
F-10	Egress	Storage was located in the interior and exterior egress paths on all the floors and outside the building.	Keep egress paths and stairs clear of storage.	Immediate
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F-11	Egress	Storage is located in the exit stairs on all the floors.	Remove all storage from exit stairs and egress paths.	Immediate
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F-12	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs, along egress routes 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
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F-13	Egress	The width of egress aisles is less than 36-in. on all the floors. The width of East exit discharge is less than 32-in.	Provide minimum aisle widths of 36-in. and minimum door width of 32-in.	Within 3 months
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F-14	Egress	The travel distance is more than 9 m. (30 ft.) from day-care room to the nearest exit on the ground floor.	Relocate day-care room to ground floor with maximum travel distance of 9m (30 ft).	Within 3 months
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F-15	Egress	Exit stair doors serving 50 or more occupants do not swing in the direction of egress travel on the fourth floor.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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F-16	Egress	North East Exit stair discharge inside the building on the ground floor. It discharges through Store and is open to storage on the ground floor.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-17	Fire Protection	The fire alarm notification system of the factory is comprised of three zones. Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only on the zone of alarm and not throughout the building.	Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation.	Within 1 months
F-18	Fire Protection	Inspection, testing, and maintenance for the fire alarm system are 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-19	Fire Protection	The building is equipped with smoke and heat detectors. Smoke and heat detector activation sounds only a local alarm in the Fire Alarm Control Panel and does not provide automatic fire alarm notification of occupants.	Provide automatic smoke detection and fire alarm notification of occupants throughout the building in accordance with NFPA 72.	Within 6 months
F-20	Egress Lighting	Exit sign not provided at North West exit on the ground floor, North Exit stair entrance on the first floor, North and South exit stair entrance on the third floor and North, North West, North East exit on the fourth floor.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month



F-21	Egress Lighting	Emergency lighting did not function in test mode at the North exit stair on the third floor.	Regularly test the emergency lighting system on each floor and replace and repair lights as needed.	Within 1 month
F-22	Egress Lighting	Manual on-off switch is provided for emergency lighting units on the body of the units. All the units are found in switched off position.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month



F-23	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system are 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
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S/N	Date	Location	Remarks
01	31-05-14	Emergency Light at Fire Exit (G.S.L-02)	Fire Exit SW, 00/00/00
02	31-05-14	Emergency Light at Fire Exit (G.S.L-03)	Fire Exit SW, 01-05-14
03	31-05-14	Emergency Light at Fire Exit (G.S.L-04)	Fire Exit SW, 01-05-14
04	10-06-14	Emergency Light at Fire Exit (G.S.L-1,2,3)	Fire Exit SW, 01-05-14
05	10-06-14	Emergency Light at Fire Exit (G.S.L-1,2,3) Cutting section	Fire Exit SW, 01-05-14