

FIRE SAFETY INSPECTION REPORT

LUMBINI LIMITED
MEGHLA, BANDARBAN

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

May 28, 2014

SUMMARY

Lumbini Limited was surveyed for fire safety on 5/28/2014 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 room is not separated by fire-rated construction due to openings and non-rated doors on the ground floor. The generator is open to the exterior discharge path and the transformer is open to the North exit stair.	Separate the generator and transformer room by a minimum 2-hr fire-rated construction. Seal and protect all openings to maintain the required fire separations.	Within 3 months





F-2	Fire Rated Construction	Storage rooms used for combustible storage are not separated by fire-rated construction on all floors except the second floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Fire Rated Construction	Areas used for combustible storage are open to the factory floor on all floors.	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-4	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
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F-5	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor and ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floor and ceiling assemblies to maintain the fire separation.	Within 3 months
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F-6	Egress	Egress doors and gates with locking features (padlocks) are provided at building exits, exit stairs, along egress routes and exit discharges.	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	Storage is located in the egress path on the second and third floor.	Keep egress paths and stairs clear of storage.	Immediate
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F-8 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.

Within 1 month

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





F-9	Egress	The width of egress aisles is less than 36-in. on all the floors.	Provide minimum aisle widths of 36-in.	Within 3 months
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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
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F-11	Fire Protection	Inspection, testing, and maintenance for the fire alarms system were 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-12	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 in accordance with NFPA 72.	Within 6 months
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F-13	Egress Lighting	Exit signage not illuminated on the fifth floor.	Regularly inspect all exit signage and replace and install lights as needed to illuminate signs.	Within 1 month
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F-14	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
F-15	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all the floors and exit stairs.	Provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months

