

FIRE SAFETY INSPECTION REPORT

BOTTOM GALLERY PVT. LTD
BULBUL TOWER,DIGIRCHALA,CHANDANA,
JOYDEBPUR GAZIPUR

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 4, 2014

SUMMARY

Bottom Gallery Pvt. Ltd was surveyed for fire safety on 6/4/2014 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 boiler's, generator's and transformer areas are not separated by fire-rated construction. Unprotected openings, non-rated doors, and penetrations all noted present at time of inspection.	Separate the boiler's, generator's and transformer areas 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	Areas used for combustible storage are not separated by fire-rated construction. The basement, ground, first, second, fourth and fifth floors have combustible storage open to production processes and exit discharge routes with no adequate fire rated separations.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	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. 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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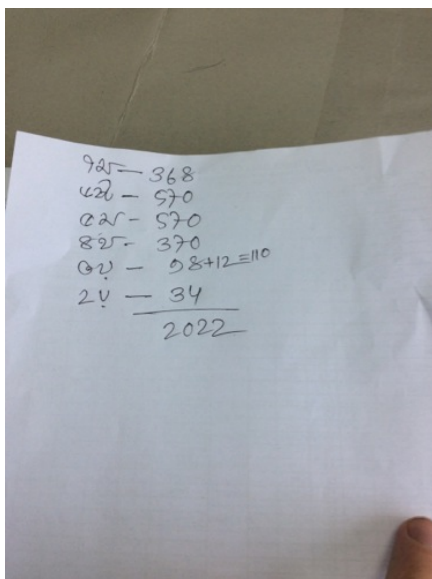
F-4	Fire Rated Construction	Unsealed penetrations and openings are located in East and West exit stair enclosures. The East stair has an electrical shaft penetrating each stairwell landing and factory floor. The West stair and ground/first floor level has an opening at close proximity to the generator space.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-5	Fire Rated Construction	As the first floor dining space has approx 250 employees during dining times the space requires two (2) exits. This is the case however to access the west exit stair the exit route is open to large amounts of combustibile storage with no adequate separations by fire-rated construction.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 3 months
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F-6	Egress	Exit capacity is not adequate for the occupant load on the fourth and fifth floors due to the number of employees being 570, as the building has 2 exits the maximum calculated egress capacity on these floors must be 373.	Reduce occupant load to not more than available exit capacity of 373 on the fourth and fifth floors. In the future provide additional exits to allow for increased number of employees.	Immediate
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F-7	Egress	Egress doors and gates with locking features are provided at building exits and storage areas. All gates/doors were open and unlocked during the inspection.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-8	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs, along egress routes and main exit discharge.	Replace all gates / 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-9	Egress	The width of egress aisles is less than 36-in on the third and fourth floors due to structural column and machinery layout.	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
F-11	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-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, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months



F-13	Egress Lighting	Manual on-off switch is provided for emergency lighting units at floor plate exits and stairwell landings.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month
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F-14	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not in accordance with ACCORD requirements.	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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