

FIRE SAFETY INSPECTION REPORT

INTERNATIONAL CLASSIC COMPOSITE LTD (ICC)

NAOJUR, KODDA JOYDEBPUR, GAZIPUR

OTHER FACTORIES: MAGNUM BD (PVT) LTD



March 27, 2014

SUMMARY

International Classic Composite Ltd (ICC) was surveyed for fire safety on 3/27/2014 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 basement floor generator, boilers, and fire pump are not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the generator, boilers, and fire pump by 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. Locations include floors 1, 2, 3, and 4.	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 Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from 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 the elevator shaft ways.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to elevator shafts.	Within 3 months
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F-5	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and means of exit discharge. Not all gates/doors within the factory were open and unlocked during the inspection.	Remove locking features from all egress doors / gates including Market entrances/exits that serve the high-rise. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-6	Egress	Combustible storage (e. g. trash cans) was located in the exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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F-7	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and means of 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.	Immediate
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F-8	Egress	Steam piping is routed through the exit stairwell.	Re-route steam pipe work outside of exit enclosure.	Within 3 months
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F-9	Egress	The pathway from the east exit stairwell to the assembly area is a 5 ft wide uneven pathway between the factory and the water treatment plant. The pathway is exposed to multiple unprotected openings from the factory area.	Provide minimum 2-hour fire rated separation between the factory and the exit passageway.	Within 3 months
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F-10	Egress	The southwest exit stair discharges inside the building to the entrance lobby on the ground floor. The west stair serving the basement and mezzanine level discharges on the ground floor into the factory area.	Provide 2-hr fire-rated exit passageways from each stairwell leading directly outside.	Within 6 months
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F-11	Egress	The Level 2 office area has one exit with a common path of travel greater than 75 ft. However occupant load is less than 30 people (actual and calculated). The Level 1 printing area has one exit with a common path of travel greater than 75 ft. However occupant load is less than 30 people (actual).	Provide additional exit from each area.	Within 6 months
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F-12	Fire Protection	The manual fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards. The automatic fire alarm system is a zoned (not addressable) system served by a conventional fire alarm panel that did not appear to be a listed system. System smoke detectors do not provide full coverage automatic smoke detection in all areas.	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-13	Fire Protection	Inspection, testing, and maintenance records for the fire alarm 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-14	Egress Lighting	Exit signs and directional arrows point to closed exit stair.	Remove all exit signs and directional arrows that point to closed stairwell.	Immediate
F-15	Egress Lighting	Additional exits signs are required in the Level 2 and Level 3 office areas.	Provide directional exit signs to all exit stairs.	Within 1 month
F-16	Egress Lighting	Exit signage not illuminated (burned out, broken, etc) in several locations.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month
F-17	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
F-18	Egress Lighting	Manual on-off switch is provided for some exit sign units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month