

FIRE SAFETY INSPECTION REPORT

KIMBERLEY DESIGN.

ACCORD ID: 12322

**214/3, TECHNOGPARA, JOYDEBPUR, GAZIPUR,
DHAKA-1702, BANGLADESH.**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

October 22, 2015

SUMMARY

Kimberley Design. was surveyed for fire safety on 10/22/2015 by Jensen Hughes. 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	Proper certification was not available for fire rated doors installed in the factory.	Submit proper certifications for installed fire doors to the ACCORD for approval. If not available, or certification is not approved, install new, properly certified fire rated doors in accordance with ACCORD direction.	Immediately



F-2	Fire Rated Construction	The boiler room is not separated by fire-rated construction due to non-rated doors.	Separate the boiler room by a minimum 1-hr fire-rated construction for non-high rise. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer. When located to the exterior of a building, separate the boiler by a minimum distance of 3m (10 ft).	Within 3 months
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F-3	Fire Rated Construction	Rooms used for combustible storage on ground floor are not separated by a minimum 1-hr fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-4	Fire Rated Construction	Unsealed electrical shafts are located in the fire-rated floor/ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-5	Fire Rated Construction	Storage room on ground floor discharges directly into exit stair enclosure.	Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr fire rated door on the exit stair side and a 1-hr fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
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F-6	Fire Rated Construction	There were unsealed penetrations located in the west and east exit stairs on the ground floor.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2-hr fire-rated construction.	Within 3 months
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F-7	Egress	Handrails are not provided on both sides of the exit stair and ramp.	Provide handrails on both sides of the exit stair and ramp. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.) .	Within 3 months
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F-8	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 automatic fire alarm system in accordance with NFPA 72 and ACCORD standards.	Design within 4 months, install within 9 months
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F-9	Fire Protection	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 1 month
F-10	Fire Protection	Inspection, testing and maintenance for 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 and ACCORD standards.	Within 3 months
F-11	Fire Protection	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months
F-12	Fire Protection	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on-site, in accordance with NFPA 10 and ACCORD standards.	Within 3 months
F-13	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	Within 3 months
F-14	Fire Protection	Fire pump is not provided and appears to be needed for the standpipe system fire demand.	Provide a fire pump in accordance with NFPA 20 and ACCORD standards, or provide an alternative water supply source capable of meeting the required fire protection demand, subject to ACCORD approval.	Within 6 months

F-15	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 and ACCORD standards.	Within 9 months
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F-16	Egress Lighting	Manual on-off switch is provided for emergency lighting units.	Remove manual on/off switches from emergency lighting and exit signage units to prevent them from being switched off.	Within 1 month
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F-17	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in the accordance with ACCORD standards. Keep written records on-site.	Within 3 months
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