

FIRE SAFETY INSPECTION REPORT

MARK DESIGNERS LTD.

PLOT#12-14, ROAD # 3, SECTION # 7, MIRPUR

OTHER FACTORIES: NONE



June 8, 2014

SUMMARY

Mark Designers Ltd. was surveyed for fire safety on 6/8/2014 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, transformer and fire pump rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations). The shed is open to gas pipe line and storage room.	Separate the boiler, transformer and fire pump rooms by a minimum 2-hr fire-rated construction. Seal and or protected all openings to maintain the required fire separations	Within 3 months

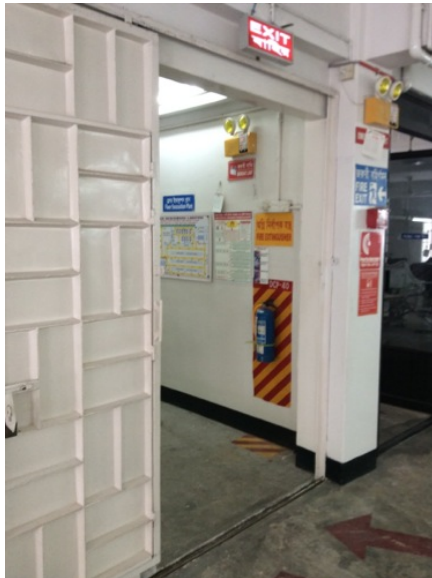




F-2	Fire Rated Construction	Areas used for combustible storage on the 1st and 5th floors are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² 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 work areas or 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-4	Fire Rated Construction	Unsealed penetrations and openings are located in the southwest 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-5	Fire Rated Construction	Rooms used for combustible storage on the ground and 6th floors are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-6	Fire Rated Construction	The gas meter room on ground floor is not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the gas meter room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
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F-7	Fire Rated Construction	Unsealed penetrations and openings in the east of most of floors 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.	Within 3 months
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F-8	Egress	Egress doors / gates with locking features are provided at building exits and exit stairs. 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-9	Egress	Storage was located in all exit stairs.	Remove all storage from exit stairs and egress paths.	Immediate
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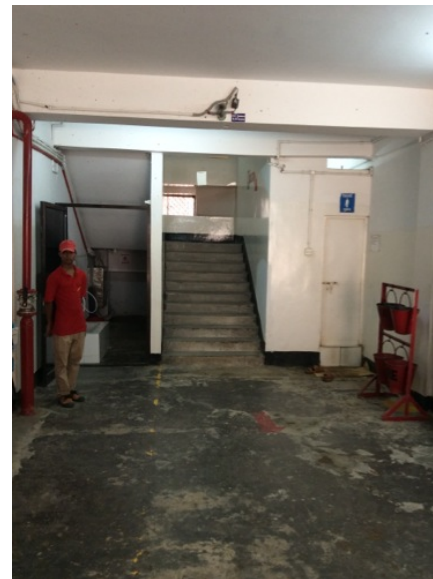


F-10	Egress	Collapsible gates / sliding doors are provided at building exits and exit stairs.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month
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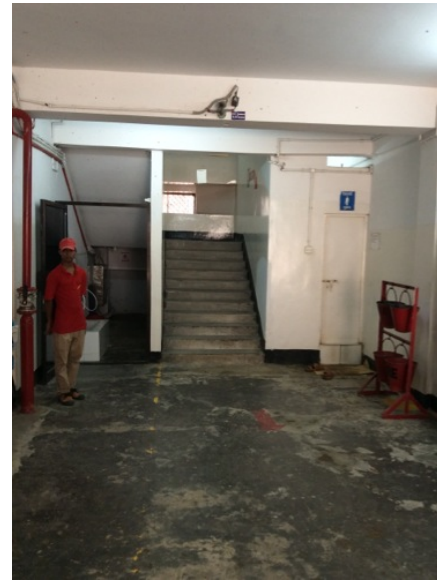
If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-11	Egress	Handrails are not provided in all exit stairs on the ground floor.	Provide handrails on at least one side of exit stair.	Within 3 months
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F-12	Egress	All exit stairs discharge inside the building.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas) or Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
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F-13	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was 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-14	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage on the 2nd to roof floors.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months
F-15	Fire Protection	Based off observations, the existing smoke or heat detectors tied to the fire alarm were not adequately provided in several location.	Based on ceiling configuration, provide additional detectors where needed, and space them in accordance with NFPA 72.	Within 6 months



F-16	Egress Lighting	Exit sign in storage room on ground floor not provided at exit.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
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F-17	Egress Lighting	Manual on-off switch is provided for emergency lighting / exit signage units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
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