

# **FIRE SAFETY INSPECTION REPORT**

**A.M. DESIGN LTD.  
DIA KHALI, BERON ZIRABO, ASHULIA**

**OTHER FACTORIES: NONE**



**ACCORD**  
on Fire and Building Safety in Bangladesh

May 6, 2014

## **SUMMARY**

**A.M. Design Ltd. was surveyed for fire safety on 5/6/2014 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 room on the eastern end of the site was not separated from the discharge path of the north eastern exit by means of fire-rated construction (unprotected openings and non rated door).	Separate the boiler room from the working areas and egress routes 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-2	Fire Rated Construction	The dedicated storage areas on the 1st floor (Bonded warehouse) and ground floor (Finished goods area) were not separated by fire-rated construction (unprotected openings and non rated doors).	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Fire Rated Construction	All exits are open on all floors due to unprotected openings (doors were present but fire rating could not be verified).	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 enclosures of the southern and north western exit stairs.	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	The discharge path to the assembly point from the north eastern exit is less than 10 ft wide and is not separated from the building interior (unprotected opening and non rated doors).	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation.  Alternatively, provide a second remote discharge path to the public way.	Within 6 months
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F-6	Egress	Egress doors / gates with locking features are provided at all building exits on the ground floor.	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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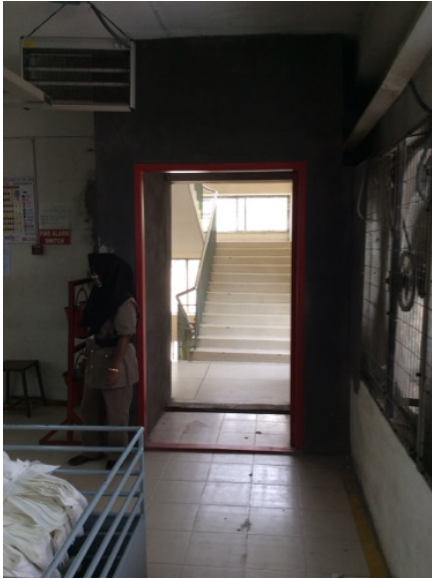
F-7	Egress	The combined exit capacity of all the stairs (575 persons) is not adequate for the occupant loads on the 2nd and 3rd floors (678 and 686 persons).	Reduce occupant load to not more than available exit capacity (575 persons). If possible add new exit stairs in the future to increase capacity.	Immediate
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F-8	Egress	Sliding doors are provided at the all building exits on the ground floor.	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 secondary discharge path from the dining area is less than 36-in.	Provide minimum path widths of 36-in.	Within 3 months
				
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	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 1 months
F-12	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-13	Egress Lighting	Exit sign not provided at exit points of the north western and north eastern stairwells.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
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F-14	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting were not in accordance to the ACCORD standards.	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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