

FIRE SAFETY INSPECTION REPORT

K A Design Ltd.

ACCORD ID: 12416

ADDRESS: Baro Beraid, Badda, Dhaka
23.795209, 90.468086

Other Factories: None



Inspected By: Md. Rakibul Alam & Kazi Raian Mahmood
Date: 03 August 2016

Summery

K A Design Ltd. was surveyed for fire safety on 3rd August, 2016 by The Accord Inspection Team. 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 & Table 2 summarize 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: Production Shed

SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	The exit stairs are not separated from work areas, 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 rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Fire Rated Construction	Areas used for in-process storage (Temporary Goods) of combustible materials are open to the surrounding occupancy. Location: Mezzanine of Production Shed	Provide defined storage areas and limit the storage arrangement as: 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	
3	Fire Rated Construction	Rooms used for storage of combustible materials is not separated from the surrounding occupancy.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
4	Fire Rated Construction	The exterior exit stair is not separated from the building. Location: Mezzanine floor Stair 2 of Production Shed	Exterior exit stairs shall be separated from the building with a rating requirement of 1 hr fire rating. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
5	Egress	Roll down shutter & sliding type doors have been provided along means of egress (building exits, along egress routes, exit discharge).	Replace all rolling shutter/ collapsible/ sliding type doors & gates by the side-hinged swinging type doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	Egress	Doors along means of egress are provided with non compliant locking system	Remove all non compliant locking features from egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate	
7	Fire Protection	The existing fire alarm system is a listed system but does not provide automatic alarm and notification features consistent with acceptable standards and does not have as built drawing.	Submit as-built drawing, testing record, equipment certification and other relevant documents to the ACCORD for review and modify the system as per reviewed design in accordance with NFPA 72 (if applicable).	Design Submission 1 month and Modification within 6 months.	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
8	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.	Within 1 month (After complete installation)	
9	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	
10	Egress Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
11	Egress Lighting	Manual on-off switch is provided for both emergency lighting & exit signage units.	Remove manual on/off switches from emergency lighting & exit signage units to prevent them from being switched off.	Within 3 months	
12	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2 cd/m2 may also be used.	Within 1 month	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
13	Occupant load Sign	Occupant load sign are not posted in a conspicuous space near the main exits or exit access doorways as demanded in ACCORD.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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Table 2: Dinning Building

SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	The exit stairs are not separated from other occupancies 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 rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Fire Rated Construction	Storage was located at the dining area. Location: 1st, 2nd & 3rd Floors.	Remove all storage from the dining room/area. Or Provide 1- hr separated defined storage room.	Immediate	
3	Egress	Electrical DB was located in the exit stair. Location: Ground Floor, South Exit stair.	Remove all storage from exit stairs.	Immediate	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
4	Fire Protection	The existing fire alarm system is a listed system but does not provide automatic alarm and notification features consisted with acceptable standards and does not have as built drawing.	Submit as-built drawing, testing record, equipment certification and other relevant documents to the ACCORD for review and modify the system as per reviewed design in accordance with NFPA 72 (if applicable).	Design Submission 1 month and Modification within 6 months.	
5	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.	Within 1 month (After complete installation)	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	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	
7	Egress Lighting	Exit sign not provided at exits.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month	
8	Egress Lighting	Emergency lights not illuminated during testing (burned out, broken, etc.). Location: Throughout the building.	Regularly inspect all emergency lighting system as per Accord standard and replace/install lights as needed to illuminate signs.	Within 1 month	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
9	Egress Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months	
10	Occupant load Sign	Occupant load sign are not posted in a conspicuous space near the main exits or exit access doorways as demanded in ACCORD.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month	

