

FIRE SAFETY INSPECTION REPORT

Faiza Industries Limited

ACCORD ID: 12868

**R.S - 425, Baimail, Konabari, P.O.- Kashem Cotton Mill, Thana- Joydebpur, Gazipur 1346.
(24.0067335, 90.3376341)**

Other Factories: None



Inspected By: Nirmal Chandra Sinha and Mohammad Atick Al Zaman

Date: 15 June, 2017

Fire Safety Inspection Report

Factory Name: Faiza Industries Limited

Introduction:

Faiza Industries Limited was surveyed for fire safety on 15 June, 2017 by The Accord Inspection Team. The purpose of the 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.



Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.

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SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction on 1st floor (finishing) cutting section.	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 2.45m (8ft.) and maximum area of 23m² (250 ft²). – If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months





F-2	Fire Rated Construction	The exit stairs enclosures are not separated from work areas and other spaces on each floor by fire-rated construction(Non rated doors, unsealed penetrations and openings etc.).	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. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1. Ensure all the parts are properly installed.	Within 3 months
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F-3	Fire Rated Construction	Unsealed penetrations and openings 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. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
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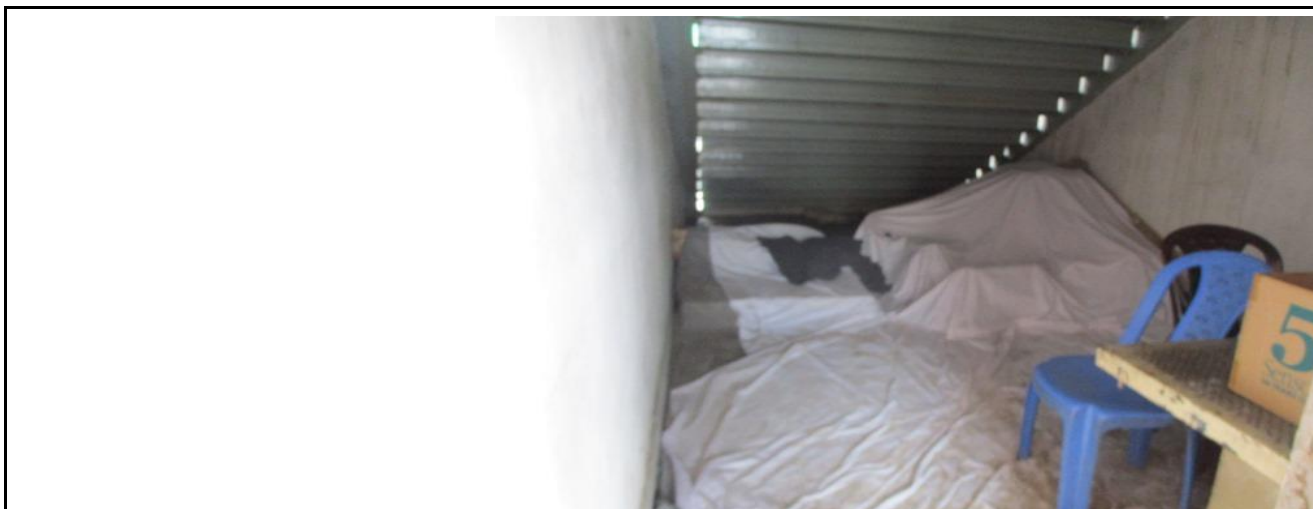


F-4	Fire Rated Construction (Gas Cylinder)	Flammable gas storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations) from the west exit stair discharge path.	Separate the flammable gas cylinder storage area by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
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F-5	Egress	Egress doors/gates with locking features not complying with NFPA101 are provided at building. Location: Ground floor middle & N-W main exit gates.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately
 				
F-6	Egress	Storage was located in the exit stair enclosure. Location: S-W exit stair on ground floor.	Remove all storage from exit stairs and egress paths.	Immediately





F-7	Egress	Building did not have stair designation signs at floor entrances and occupant load signs at required exit stair entrances.	Provide stair designation signs, occupant load signs and emergency evacuation plans at required locations.	Within 1 month
F-8	Fire Protection	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval	Design within 2 months and Modification within 6 months.





F-9	Fire Protection	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 1 month (after installation)
F-10	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





F-11	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month
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F-12	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months
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F-13	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
F-14	Fire Extinguishers (ITM)	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 onsite, in accordance with NFPA 10 and ACCORD standards.	Within 3 months

