

FIRE SAFETY INSPECTION REPORT

JERAT SHIRT LIMITED

ACCORD ID: 12655

**Plot no. 188-189, Taragate, Nasirabad Industrial Area, Baizid, Chittagong.
(22.387537, 91.8122798)**

OTHER FACTORY (S): None



Inspected By: Shabbir Hossain and Md. Ferdaus Jaman
Date: 09 March, 2017

Symmetry:

Jerat Shirt Limited was surveyed for fire safety on 09 March, 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.

Table-1:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	All three exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction (Missing fire rated door accessories, door hold open devices, unsealed penetrations & openings etc.). The installed fire rated doors were found open during inspection.	Provide minimum 1-hr rated doors to separate the stairs of the building. 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



  				
2	Fire Rated Construction	The generator, transformer and HT panel on ground floor and boiler & compressor on 1st floor of utility building are not separated from each other by fire-rated construction (Non rated doors, unsealed penetrations and openings etc.).	Separate the generator, transformer and HT panel by 2-hr. fire rated construction. Seal all unsealed penetrations and openings to maintain required fire separation. Provide 1.5 hr. fire rated doors at the door openings. 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
  				



3	Fire Rated Construction	The dining room is not separated from other area and exit stair at north-east side on ground floor of main building by fire rated construction (openings, non-rated doors, penetrations). Separate the dining room by 2-hrs. fire rated construction. Seal all unsealed penetrations and openings to maintain required fire separation. 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
			



4	Fire Rated Construction	Bonded warehouse, finished goods store and accessories store rooms on ground floor are not separated from the production area by fire rated construction (Non rated doors, unsealed penetration and openings etc.). Open storage area on ground floor is not separated from adjacent production and office area by fire rated construction (Non rated doors, unsealed penetration and openings etc.).	Separate the store rooms by 1-hr. fire rated construction. Seal all unsealed penetrations and openings to maintain required fire separation. Provide 0.75- hr. fire rated doors at the door openings. 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. 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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5	Fire Rated Construction	Unsealed electrical riser and building expansion joints are located in the fire rated floor/ceiling assemblies. Electrical panel room beside south east exit on 1st floor is not separated from the egress paths.	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. Separate the electrical panel room by 2-hrs. fire rated construction from egress path.	Within 3 months
				
6	Fire Rated Construction	The exit discharge path serving south east exit is less than 10 ft wide and is not separated from the building interior.	Seal all penetrations and openings of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation.	Within 3 months





7	Egress	A single means of egress is provided from dining room at east side on ground floor where the occupant load exceeds 49 person (seating capacity is 288).	Provide additional exit.	Immediate
				
8	Egress Lighting	Based on observation adequate emergency lights are not provided in the production floors and dining hall of main building and generator room, substation room and boiler-compressor room of the utility building.	Provide emergency lights where missed 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.	Immediate

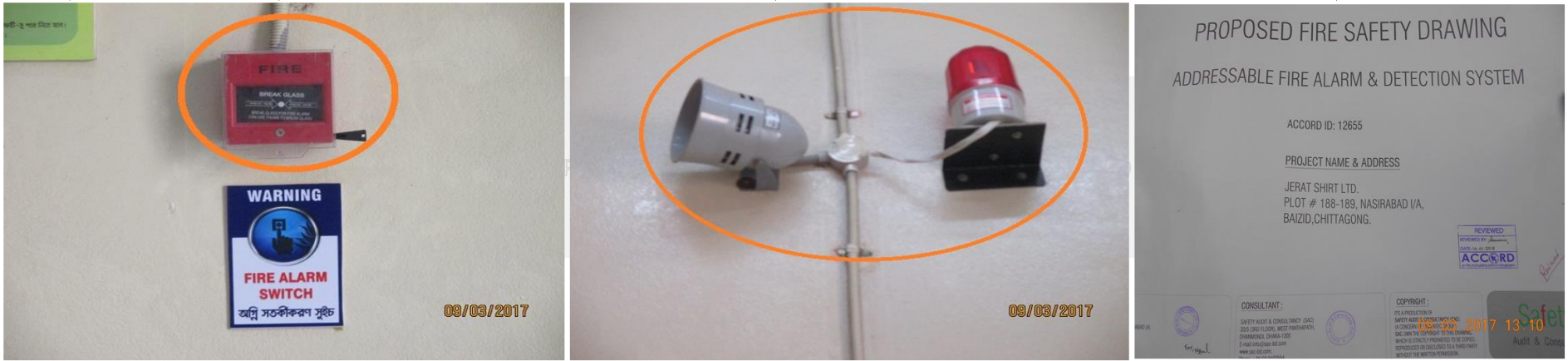


				
9	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
				
10	Egress Lighting	Exit signs are not provided in the doctor's room, child-care room, storage room on ground floor and office room on mezzanine floor.	Provide exit signs above all exits to the exterior and all doors to the exit stair.	Within 1 month



			
11	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
			



12	Fire Detection and Alarm System	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 detection system with a new, listed addressable fire detection system in accordance with NFPA 72.	Install within 9 months
				
13	Fire Detection and Alarm System (ITM)	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 3 months
14	Emergency Lighting ITM	Inspection, testing, and maintenance for the emergency lighting system were 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
15	Fire Protection System (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

