

FIRE SAFETY INSPECTION REPORT

HAMS GARMENTS LTD (EXTENSION)

ACCORD ID: 12619

South Vangnahati, Chapilapara, Sreepur (24.192933,90.452701)

Other Factories: None



Inspected By: Shabbir Hossain and Pantha Pallob Das
Date: 11 January, 2017

Fire Safety Inspection Report

Factory Name: HAMS Garments Ltd (Extension)

Summary

HAMS Garments Ltd (Extension) complex was surveyed for fire safety on 11/01/2017 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.

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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The office area on 2nd floor of the building is not fire separated with storage area.	The office area shall be fire separated by 1-hr rated barrier construction with minimum 0.75 hr opening protective assemblies, the discharge for office area never shall be through the storage area.	Within 3 months



2	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction due to unprotected openings and penetrations.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. 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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3	Fire Rated Construction	The fire pump room is not fire separated with adjacent occupancies due to common non-rated ceiling, openings and penetrations.	Provide fire pump room with 2 hr rated fire separation when not sprinklered and 1 hr rated fire separation when provided with automatic sprinklers, in accordance with NFPA 20. In the case exterior it shall be 50 ft away from another occupancy.	Within 3 months





4	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies. Location: On every floor.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 1 month
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5	Fire Rated Construction	Elevator shaft is directly open into floor without proper fire separation due to unprotected door opening. Location: South-East Stair enclosure on ground floor.	Ensure minimum 1.5-hr fire rating for the door of elevator shaft otherwise close the shafts area with 2-hr fire rated construction barrier and 1.5-hr fire rated doors.	Within 3 months
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6	Fire Rated Construction	1. The exit discharge path for building serving west exit is less than 10 ft wide and is not separated from the building interior. 2. The exit discharge path in-between shed-1&2 is less than 10 wide and not separated properly from buildings interior.	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 2-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 3 months
				



7	Egress	The width of egress aisles is less than 36-in. Location: On ground,1st, 2nd floors.	Provide minimum unobstructed aisle width of 36-in.	Within 1 month
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8	Egress	Non-compliant exit doors (sliding type) have provided along means of egress on all the exits of ground floor and shed-1&2.	Replace all collapsible/sliding/shutter 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
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9	Egress	Doors along means of egress are provided with non compliant locking system. (All the exits of building and sheds)	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. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediate
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10	Egress	Storage was located in the exit stair on ground floor.	Remove all storage from exit stairs and egress paths.	Immediate
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11	Egress	Handrails are not provided on both sides of any of the stairs on all floors.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)	Within 1 month
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12	Egress	Building did not have floor designation, stair designation and occupant load signs at required locations.	Provide floor, stair designation and occupant load signs at required locations.	Within 1 month
13	Egress	Fire evacuation map is not posted at the entrance of all exit stair. Location: RCC building	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month



14	Egress Lighting	Exit signage was not provided along a path of egress. (installed exit signage were not functional/illuminated during inspection). Location: All floors of the building	Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction 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
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15	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes and at exit stairs on all floors of the buildings and shed-1&2.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months
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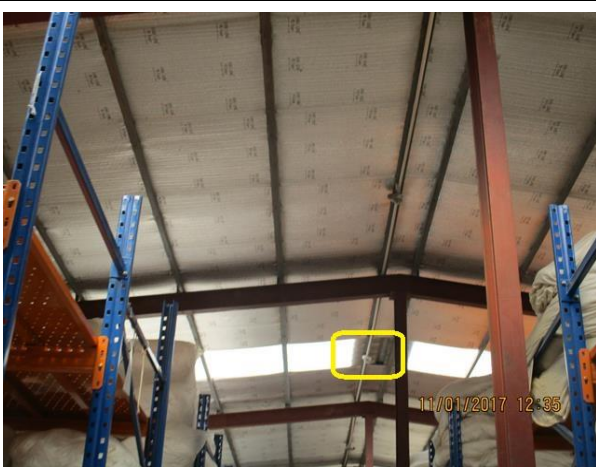


16	Egress Lighting	Manual on-off switch is provided for exit signage units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
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17	Egress Lighting	Inspection, testing and maintenance of emergency lights/exit signs is not in accordance with 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
18	Fire Detection and Alarm System	The fire detection and alarm system installation work going on for the buildings, the system installed incorrectly for the sheds.	Install/Modify the fire detection and alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72. Design shall be submitted to ACCORD Chief Safety Inspector for review prior to installation of the system.	Design within 4 months and installation within 9 months.



  				
19	Fire Detection and Alarm System (ITM).	Inspection, testing and maintenance (ITM) for the fire detection and alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection and alarm system and keep written records on-site, in accordance with NFPA 72.	Within 03 months (After complete installation)



20	Fire Protection System	The highest occupied floor of new store building is more than 10 m (33 ft.) above grade but standpipe system is not installed in the building as per NFPA-14. Fire pump is not listed and not installed properly as per NFPA-20.	Provide class-III standpipe system (both a 40 mm connection with attached hose and a 65 mm connection) throughout the building in accordance with NFPA 14. Design shall be submitted to ACCORD Chief Safety Inspector for review prior to installation of the system.	Design within 4 months and installation within 9 month
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21	Fire Protection System (ITM)	Inspection, testing and maintenance (ITM) of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-side, in accordance with NFPA 25.	Within 03 months (After complete installation)
22	Fire Protection System (ITM)	Inspection, testing and maintenance (ITM) of the fire pump is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump and keep written records on-side, in accordance with NFPA 25.	Within 03 months (After complete installation)



23	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.	Within 1 month
24	Human Element Program	Fire drills are not conducted as per ACCORD Standard. (Fire drill conducted for all buildings at a time)	Fire drill shall be conducted in accordance with BNBC Part 4 Appendix A.	Within 1 month



25	Human Element Program	Smoking is prohibited as per verbal information of factory personnel, but signs are not posted in Bengali and English at all building entrances. No designated smoking area is created outside the buildings.	Smoking shall be prohibited in any garment factory building, separate storage building, or any building or area where the Inspector of the Factories Rules (1.6.3.7) Part 53 requires that smoking be prohibited. If an Owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the signs required in 13.5.2	Within 1 month
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