

FIRE SAFETY INSPECTION REPORT

Factory Name: Unisense Apparels Ltd

ACCORD ID: 12841

ADDRESS: Beraider Chala, Sreepur, Gazipur

Other Factories: None



Inspected By: Shabbir Hossain & Md. Sabbir Ahmed Shourav
Date: 15 May 2017

Fire Safety Inspection Report

Factory Name: Unisense Apparels Ltd

Introduction:

Unisense Apparels Ltd complex was surveyed for fire safety on 15/05/2017 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.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.



General Factory Information

Factory Building name(s): Unisense Apparels Ltd

Factory Address: Beraider Chala, Sreepur, Gazipur

Points of contact:

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Findings & Recommendations :

Following table 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.

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction. Installed fire doors were found open by external sources, door coordinators did not function properly, vertical extension is in progress.	Provide minimum 1-hr rated doors for buildings with 3 or fewer stories and 1.5-hr fire rated doors for buildings that are 4 or more stories. 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. 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.	Within 3 months





F-2	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location: Ground floor, 1st floor	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. 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. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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F-3	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: Ground floor (Unsealed penetrations, installed fire door found open)	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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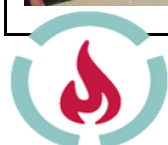


F-4	Fire Rated Construction	Boiler and compressor room are not properly separated by fire rated construction. Location: Ground floor (north-east side)	Boilers or other heat producing equipment shall be separated from other occupancies by a minimum 1-hr (2-hr for high-rise building) fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
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F-5	Fire Rated Construction	Generator, Transformer, fire pump rooms are also not separated from each other by fire rated construction.	Separate the generator, Transformer, fire pump rooms from each other by a minimum 2-hr fire-rated construction . Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer.	Within 3 months
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F-6	Means of egress	Occupant load sign and stair designation is not posted at the exit stair at all level	Occupant load sign and stair designation shall be posted at the entrance to exit stair at all level.	Within 1 month
F-7	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



F-8	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
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F-9	Egress Lighting ITM	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
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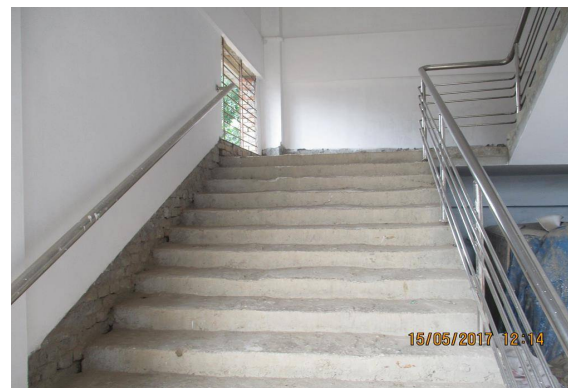


F-10	Egress Lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 3 months
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F-11	Means of Egress	Handrails are not provided at both side of exit stair.	Provide handrails on both side of exit stair having a minimum height 34 in.	Within 3 months
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F-12	Means of Egress	Storage was located in the exit stair.	Remove all storage from exit stairs.	Immediate
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F-13	Fire Alarm & Detection System	The existing fire alarm system is not a listed system and does not provide automatic alarm and notification features consisted 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
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F-14	Fire Alarm & Detection System (ITM)	Inspection, testing, and maintenance (ITM) 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.	1 month (After Installation)
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F-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.	Within 3 months
F-16	Means of egress	Doors along means of egress are provided with non compliant locking system. Location: Childcare, doctor's room, generator, substation room	1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. 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



F-17	Means of egress	Collapsible/sliding/shutter type doors have provided along means of egress at generator & sub-station room.	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.	Immediate
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