

FIRE SAFETY INSPECTION REPORT

CA KNITWEAR LIMITED (RELOCATION)

ACCORD ID: 12871

Address: Vill: Bhabanipur, P.O: Mahna Bhabanipur, Gazipur Sadar, Gazipur, Bangladesh.

Google Coordinate: 24.147535, 90.422713

OTHER FACTORY (S): NONE



Inspected By: Shabbir Hossain & Ashfiq Ur Rahman

Date: 20 June, 2017.

Fire Safety Inspection Report

CA KNITWEAR LIMITED (RELOCATION)

Introduction:

CA KNITWEAR LIMITED (RELOCATION) was surveyed for fire safety on 20 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.

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: CA KNITWEAR LIMITED (RELOCATION)

Factory Address: Vill: Bhabanipur, P.O: Mahna Bhabanipur, Gazipur Sadar, Gazipur, Bangladesh.

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
1	Fire Rated Construction (Building 1 & 2)	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-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. Seal all penetrations and openings to the interior of the building up to a height of 10 ft. to provide proper fire rated separation.	Within 3 months





2	Fire Rated Construction (Building 1)	Areas used for combustible storages are not separated by fire rated construction. Location: Throughout 2nd floor with cutting section, Middle & South side of 1st floor packing section & Metal free zone on GF.	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 2.4m 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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3	Interior Exit Discharge	Exit stairs discharge the occupants inside the building. Location: East & South-east stairs. (Stair: 5 & 6)	1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 3 months
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4	Fire Rated Construction	Boiler, Generator, Compressor & CNG Cylinders are not properly separated from each other by fire rated construction. Location: Ground Floor, Building 2.	1. Boilers or other heat producing equipment shall be separated from other occupancies by a minimum 1-hr (2-hr for highrise 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 it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building. 2. Generator, Compressor & CNG room shall be separated from other occupancies by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 1.5-hr 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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5	Parapets or Guards	Parapets or guards are not provided in occupiable roof.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
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6	Fire Rated Construction	Unsealed penetrations (Building joint) & openings are located in the fire rated floor/ceiling assemblies.	Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
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7	Handrail	Handrails are not provided on both sides of the exit stairs.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865mm (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 3 months
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8	Egress	Storage was located in the egress path & exit stairs. Location: All floors.	Keep egress path & exit stairs clear of storage	Immediate
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9	Egress	A single means of egress/stair is provided in Building: 2.	Provide additional means of egress/ exit stair in accordance with Accord Standard 6.6.1.	Within 3 months
10	Signages (Building 1 & 2)	Building did not have stair designation signs, occupant load signs & emergency evacuation maps at the required locations.	Provide stair designation signs, occupant load signs & emergency evacuation maps at the all the required locations.	Within 2 months
11	Occupant load/ Exit capacity & Fire rated construction	A single means of egress/stair is provided from dining area on 1st floor (Building: 2) where the occupant load is 800.	Relocate the Dinning & Prayer room to ground floor Or, Provide additional means of egress/ exit stair in accordance with Accord Standard 6.6.1 & as per occupant. Provide all exit stair width minimum of 2 meters. and provide minimum 2 hours fire rated separation between assembly occupancy & other facilities.	Within 3 months





12	Fire Detection and Alarm System (Building 1 & 2)	The fire detection and 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.	Design within 4 months, Install within 9 months
13	Fire Protection System (Building 1 & 2)	The existing building has an occupied floor greater than 10 meter (33 feet) and is not provided with proper standpipe protection.	Install a new standpipe system, fire pump & fire department connection in accordance with NFPA 14,20,22 & 24. A class I system shall be permitted in buildings protected throughout by an automatic sprinkler system.	Design within 4 months, Install within 9 months



14	Fire Detection and Alarm System-ITM	Inspection, testing, and maintenance (ITM) 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 (After complete installation)
15	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-site, in accordance with NFPA 25 and ACCORD standards.	Within 3 months (After complete installation)
16	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
17	Egress Lighting	Manual on-off switch facility available for emergency lights/exit signs.	Remove manual on/off switches from emergency lighting units/ exit signs to prevent them from being switched off.	Within 1 month



18	Emergency Lighting-ITM	Inspection, testing, and maintenance (ITM) 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
19	Egress Lighting	The directional signs are not provided where there is a change in direction and where the continuation of the egress path is not obvious.	Install illuminated directional sign where there is a change in the direction of the path of travel.	Within 1 month



20	Egress Lighting	Based on the number and location of emergency lights/exit signs observed, adequate illumination levels are not anticipated along egress routes. Location: All through the building.	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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