

FIRE SAFETY INSPECTION REPORT

SF Sweaters Ltd. Building - 2

ACCORD ID: 12844

P.O. Salna Bazar, Gazipur, South Salina (Opposite of ABC Complex)

OTHER FACTORY (S): NONE



Inspected By: Shabbir Hossain and Mohd Atick Al Zaman

Date: 17 May, 2017

Fire Safety Inspection Report

SF Sweaters Ltd. Building - 2

Introduction:

SF Sweaters Ltd. Building - 2 was surveyed for fire safety on 17/05/2017 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: SF Sweaters Ltd. Building - 2

Factory Address: P.O. Salna Bazar, Gazipur, South Salina (Opposite of ABC Complex)

Points of contact:

Name: Mr Erfan Ahmed Designation: Director Mobile No: +88 01613878187 E-mail: eahmed@sfsweaters.com	Name: Md. Ansar Ali Designation: Ass. Manager Mobile No: +88 01712885064 E-mail: sf.compliance4@gmail.com
--	--



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	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.	Within 3 months





2	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction properly.	Provide dedicated storage room separated by minimum 1-hr fire-rated construction.	Within 3 months
---	-------------------------	---	---	-----------------



3	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Location: 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 2.4m 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
---	-------------------------	--	--	-----------------



4	Guard rail	The occupiable roof was not provided with an adequate guard rail.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months
---	------------	--	---	-----------------





ADD PHOTO

5	Handrail	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation. Or, Handrails are not provided at exit stairs.	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 3 months
---	----------	--	--	-----------------



6	Fire Rated Construction	Generator room is not properly separated by fire rated construction with other Occupancies/Areas	Generator 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.) shall 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.	Within 3 months
---	-------------------------	--	--	-----------------



7	Stair case separation	The southeast exit stair is not properly separated from the building.	Exterior exit stairs shall be separated from the building with a rating requirement of 1 hr. fire rating for 3 or fewer stories or 2 hr. fire rating for 4 or more stories. The rating of the exterior wall shall extend 3.05 m (10ft) beyond the ends of the stair structure.	Within 3 months
---	-----------------------	---	--	-----------------





8	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/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Immediate
---	--------	---	---	-----------



9	Gas Cylinder	Flammable gas storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations) from shed building exit discharge path.	Separate the flammable gas cylinder storage area by a minimum 2-hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations.	Within 1 month
---	--------------	--	---	----------------



10	Egress	Rolling shutter/Collapsible gates are provided at building exits. Location: Ground floor Middle & S-W main gates.	Replace all collapsible gates/ sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Within 1 month
----	--------	---	---	----------------





11	Egress	Storage was located in all exit stairs. Location: Ground floor N-W exit stair enclosure.	Remove storage from the exit stairs and egress path	Immediate
----	--------	--	---	-----------



12	Egress	The width of egress aisles is less than 36-inch. Location: Ground floor and shed building	Provide minimum aisle widths of 36-inch.	Within 3 months
----	--------	---	--	-----------------



13	Egress	Building did not have stair designation signs or occupant load signs at the required places.	Provide stair designation signs and occupant load signs at the required locations.	Immediate
14	Fire Detection and Alarm System	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



15	Fire Protection System	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
16	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)
17	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)
18	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
19	Egress Lighting	Exit sign not provided at exit. Location: All through the building.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress 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





20	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
21	Partition wall	Combustible materials are used for partition wall between the storage & production floor. Location: shed building.	Remove all combustible materials and provide minimum 2-hr fire rated construction wall.	Within 3 months





22	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
----	-----------------	---	--	-----------------

