

FIRE SAFETY INSPECTION REPORT

FLORENCE FABRICS

ACCORD ID: 12110

**BAIMAIL, KONABARI, GAZIPUR SADAR, GAZIPUR
-1712, DHAKA, BANGLADESH**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

January 30, 2015

SUMMARY

Florence Fabrics was surveyed for fire safety on 1/30/2015 by Jensen Hughes. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
-----	----------	---------	----------------	-----------------------

F-1	Fire Rated Construction	Multiple liquefied or compressed gas cylinders were located within the boiler room in the factory on the ground floor.	The storage or use of liquefied or compressed flammable gas cylinders shall be prohibited within the factory building.	Immediately
-----	-------------------------	--	--	-------------



F-2	Fire Rated Construction	Diesel Fuel drums were located inside the generator area/room.	Remove all diesel fuel drums from generator area and store outside of factory.	Immediately
-----	-------------------------	--	--	-------------



F-3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire-rated construction as observed in numerous places throughout the ground floor.	<p>Provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²) <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
-----	-------------------------	---	--	-----------------

Florence Fabrics



F-4	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	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. 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
-----	-------------------------	---	---	-----------------



F-5	Fire Rated Construction	The east and south exit stair enclosures are not separated from work areas, on the ground and 1st floors by fire-rated construction.	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.	Within 3 months
-----	-------------------------	--	---	-----------------



F-6	Fire Rated Construction	Rooms used for combustible storage on the ground floor are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Construction has to extend to underside of roof.	Within 3 months
-----	-------------------------	--	---	-----------------



F-7	Fire Rated Construction	The compressor room located on the ground floor is not separated by fire-rated construction due to open construction (see photo).	Separate the compressor room by a minimum 1-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
-----	-------------------------	---	---	-----------------



F-8	Fire Rated Construction	The fire pump room is not adequately fire separated from the exit/ exit discharge.	Provide fire pump room with 2 hr. rated fire separation when not sprinklered and 1 hr. rated fire separation when provided with automatic sprinklered in accordance with NFPA 20.	Within 3 months
-----	-------------------------	--	---	-----------------



F-9	Fire Rated Construction	The south exterior 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 6 months
-----	-------------------------	--	--	-----------------



F-10	Egress	Storage was located at the base of both exit stairs on the ground floor.	Remove all storage from exit stairs and egress paths.	Immediately
------	--------	--	---	-------------



F-11 Egress

Storage was located in the egress path on the ground floor of the production area.

Keep egress paths and stairs immediately clear of storage.



F-12	Egress	<p>Egress doors and gates with locking features are provided at building exits, along egress routes, exit discharge.</p> <p>All doors had lockage. All gates and doors were open and unlocked during the inspection.</p>	<p>Remove locking features from all egress doors and gates.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.</p>	Immediately
------	--------	--	---	-------------



F-13	Egress	<p>Collapsible gates and sliding doors are provided at building exits, along egress routes, exit discharge on all floors.</p>	<p>Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.</p>	Within 1 month
------	--------	---	--	----------------



F-14 Egress

Handrails are not provided on both sides of the exit stairs. The east stairwell did not have them on both sides at any level. The south stair did not have them on both sides from ground floor to 1st floor.

Provide handrails on both sides of the exit stairs. 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



F-15	Egress	Both exit stairs discharge inside the building.	Consult qualified engineer to design compliant solutions which may include the following type solutions: - Modify stair to discharge directly outside. - Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). - Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
		The east and south exit stairs, discharge on the ground floor inside the building.		



F-16	Fire Protection	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 on-site, in accordance with NFPA 10.	Within 3 months
------	-----------------	---	--	-----------------

F-17	Fire Protection	Inspection, testing and maintenance for 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.	Within 3 months
------	-----------------	--	--	-----------------

F-18	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 3 months
F-19	Fire Protection	Fire department inlet connection is not provided.	Provide fire department inlet connection in accordance with ACCORD standard 5.5.4.	Within 3 months
F-20	Fire Protection	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system and keep written records on-site, in accordance with NFPA 25.	Within 3 months
F-21	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14.	Within 3 months
F-22	Fire Protection	The required standpipe system is not installed in accordance with the ACCORD standard.	Install a new standpipe system in accordance with ACCORD standard 5.4 and NFPA 14. A class III system shall be installed in buildings with the highest occupiable floor 10 m (33 ft.) above grade or more. A class I system shall be permitted in buildings protected throughout by an approved automatic sprinkler system.	Within 6 months



F-23	Egress Lighting	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
------	-----------------	---	--	-----------------