

FIRE SAFETY INSPECTION REPORT

TASNIAH FABRICS LTD (EXTENSION)

ACCORD ID: 12402

MAYAPARA, KASHIMPUR, GAZIPUR

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

November 16, 2015

SUMMARY

Tasniah Fabrics Ltd (Extension) was surveyed for fire safety on 11/16/2015 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

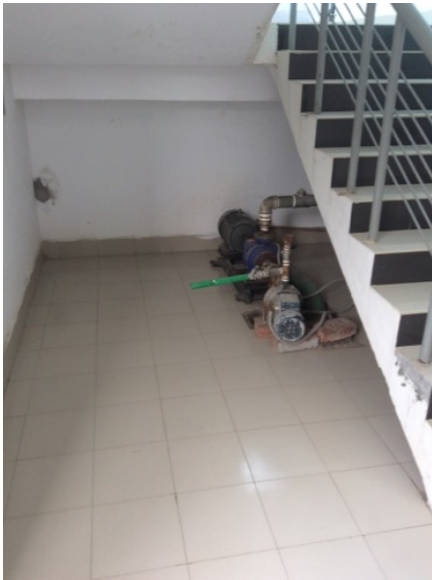
No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Diesel fuel storage was located along a path of egress.	Remove all diesel fuel storage from the generator room and relocate to the exterior such that the diesel fuel storage is at least 10 ft from required egress paths. If located along egress paths or in a utility building, separate the diesel fuel storage with 2-hr fire rated construction. There shall be no diesel fuel storage in a factory production building.	Immediately



F-2	Fire Rated Construction	Proper certification was not available for fire rated doors installed in the factory.	Submit proper certifications for installed fire doors to the ACCORD for approval. If not available, or certification is not approved, install new, properly certified fire rated doors in accordance with ACCORD direction.	Immediately
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F-3	Fire Rated Construction	Electrical panels were located in the exit stair enclosure. Water pump was located in the exit stair enclosure.	Remove and re-locate all electrical panels and water pumps from exit stair enclosures.	Within 3 months
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F-4

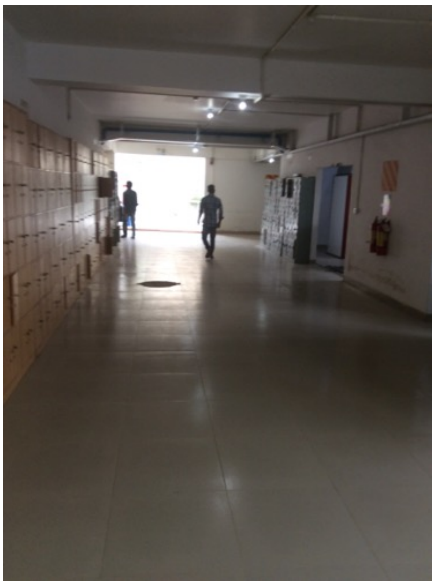
Fire Rated
Construction

Exit access corridors are not provided with 1 hr fire resistance rating or approved NFPA 13 sprinkler system.

Provide exit access corridors with 1 hr fire resistance rating or approved NFPA 13 sprinkler system.

Within 3 months

This was located on the north side connected to the Northeast exit stair.



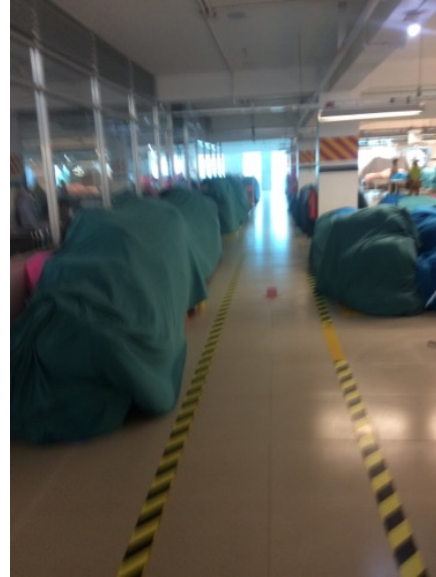
F-5	Fire Rated Construction	The fire pump room is not provided with adequate fire separation.	Provide fire pump room with 2 hr rated fire separation when not sprinklered and 1 hr rated fire separation when provided with automatic sprinklers, in accordance with NFPA 20.	Within 3 months
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F-6	Fire Rated Construction	The boiler and compressor room is not separated by fire-rated construction due to openings and non-rated doors.	Separate the boiler and compressor room by a minimum 2-hr fire rated construction for high rise. 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-7	Fire Rated Construction	Areas used for combustible storage open to the factory on all floors are not properly defined and/or not within limits.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8 ft) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10 ft).	Within 3 months
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F-8	Fire Rated Construction	Rooms on all floors used for combustible storage are not separated by a minimum 1-hr fire-rated construction.	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 2.45m (8 ft) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft).	Within 3 months
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F-9	Fire Rated Construction	Exit stairs are not separated from work areas on the ground and 2nd floors by fire-rated construction due to unprotected openings and penetrations.	Separate the exit stairs from from work areas and other building spaces on all floor levels by minimum 2-hr fire-rated construction. Provide minimum 1.5-hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation.	Within 3 months
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Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. 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 ACCORD standard 6.8.3.1.

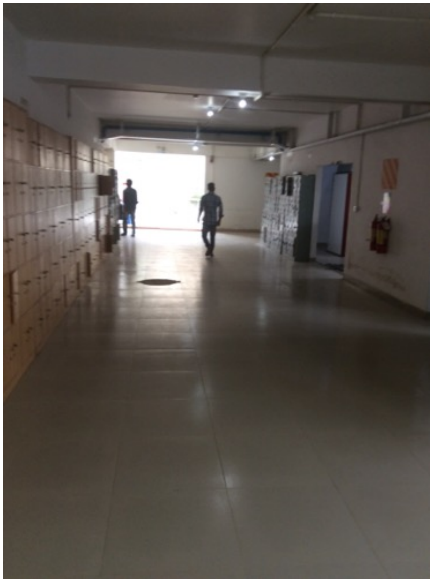




F-10	Fire Rated Construction	Fire-rated floor/ceiling assemblies have unprotected penetrations.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-11	Fire Rated Construction	Storage, generator / boiler, transformer and compressor room discharges directly into exit stair enclosure.	Openings from exit enclosure to storage and utility spaces shall be provided with a vestibule with fire rated construction and openings.	Within 3 months
		This is on the ground and first floors.	Provide a 1.5 hr fire rated door on the exit stair side and a 1-hr fire rated door on the storage and utility room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	





F-12	Fire Rated Construction	Exit stair on ground and first floor is not separated from storage areas on each floor by fire-rated construction due to unprotected openings and penetrations. This stair does not meet ACCORD standard 4.5.3.2.	Separate the exit stairs from from work areas and other building spaces on all floor levels by minimum 2-hr fire-rated construction. Provide minimum 1.5-hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. 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-13	Fire Rated Construction	Atrium connecting two or more stories is not properly protected. This is between the ground and first floor.	Provide proper fire protection in accordance with ACCORD standard 3.7.	Within 6 months



F-14	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Immediately
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F-15	Egress	Egress doors with locking features are provided at exit stairs. See the bolt on the ground holding the door open. This is due to over pressurized stairs and make then to hard to open.	Remove locking features from all egress doors. If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2.	Immediately
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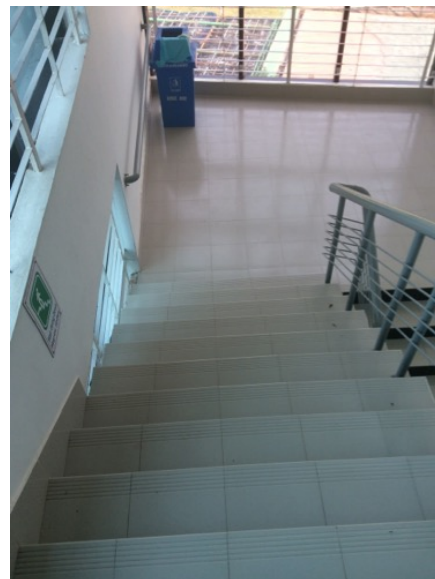
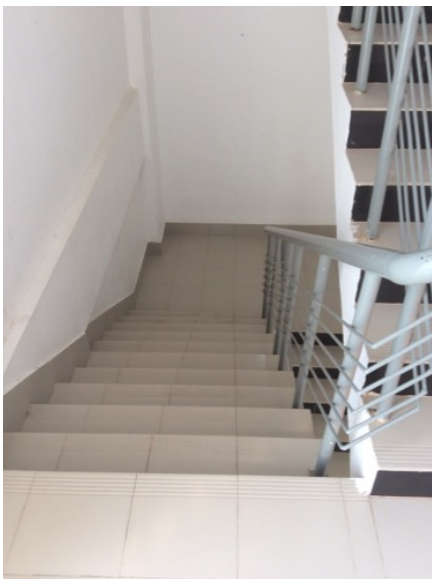


F-16	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs.	Immediately
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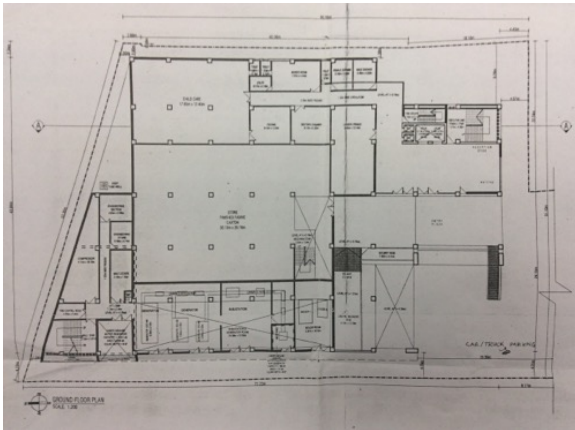
F-17	Egress	Handrails are not provided on both sides of the exit stairs.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.) .	Within 3 months
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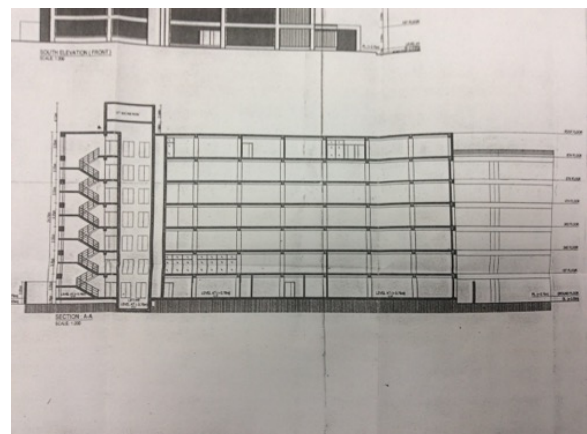


F-18	Egress	The North East and both South Exit stairs do not discharge directly to the outside.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
			Or	
			Provide sprinkler protection for discharge floor in accordance with NFPA 13 and ACCORD standard 6.17.3.	





F-19	Fire Protection	The high-rise building has an occupied floor greater than 23m (75 ft) and is not provided with automatic sprinkler protection.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13 and ACCORD standards.	Design within 6 months, install within 12 months
			Or	
			Remove all items that make the roof occupiable and that will reduce the height and sprinklers will not be required.	



F-20	Fire Protection	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 1 month
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F-21	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 and ACCORD standards.	Within 3 months
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F-22	Fire Protection	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months
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F-23	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 and ACCORD standards.	Within 3 months
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F-24	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 and ACCORD standards.	Within 3 months
F-25	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 and ACCORD standards.	Within 3 months
F-26	Fire Protection	Standpipe system is required for the building, which has an occupiable floor 10 m (33 ft) or more above grade.	Install a new class III standpipe system in accordance with ACCORD standard 5.4 and NFPA 14. A class I system shall be permitted in buildings protected throughout by an approved automatic sprinkler system.	Within 6 months



F-27	Fire Protection	Visible notification was not provided for the building in accordance with NFPA 72.	Provide visible notification for the building in accordance with NFPA 72.	Within 9 months
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F-28	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-29	Egress Lighting	Exit signage was not provided along a path of egress. This is typical on all floors.	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.	Within 1 month
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F-30	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in the accordance with ACCORD standards. Keep written records on-site.	Within 3 months
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