

FIRE SAFETY INSPECTION REPORT

DENIM FASHIONS LIMITED

ACCORD ID: 12109

**111 SHATAISH ROAD, TONGI, GAZIPUR 1712,
DHAKA, BANGLADESH**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

January 30, 2015

SUMMARY

Denim Fashions Limited 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.

Tables 1 - 2 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 - Building 2

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	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. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - 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) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months



F-2	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor 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
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F-3	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces 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. 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.	Within 3 months
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If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.



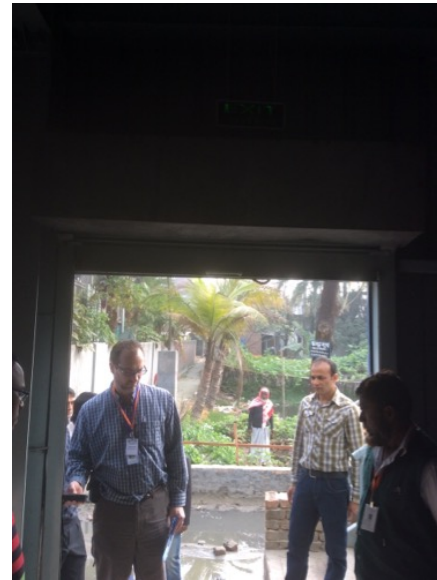
F-4	Fire Rated Construction	The fire pump room is not adequately fire separated.	Provide fire pump room with 2 hr. rated fire separation when not sprinklered and 1 hr. rated fire separation when provided with automatic sprinklered in accordance with NFPA 20.	Within 3 months
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F-5	Fire Rated Construction	Electrical panels were located in the exit stair enclosure.	Remove and re-locate all electrical panels from exit stair enclosure	Within 3 months
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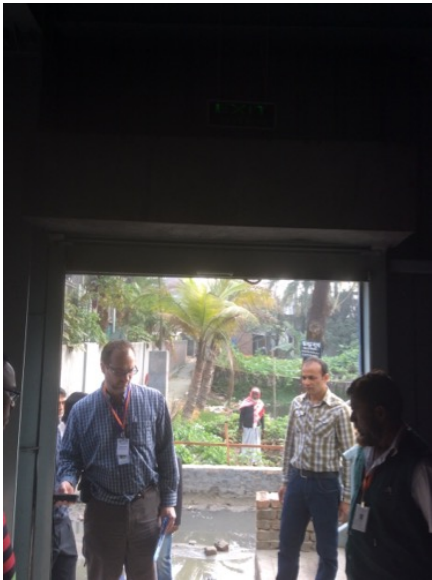
F-6	Fire Rated Construction	Storage room on ground floor discharges directly into exit stair enclosure.	Openings from exit enclosure to the storage spaces shall be provided with a vestibule with fire rated construction and openings. . Provide a 1 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
F-7	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
F-8	Egress	Egress doors with locking features are provided at building exits and exit discharge.	Remove locking features from all egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately



F-9	Egress	Storage was located in the south exit stair.	Remove all storage from the south exit stairs and egress paths.	Immediately
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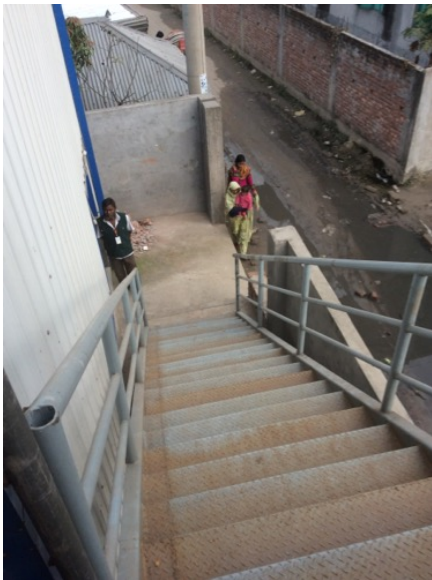
F-10	Egress	Collapsible sliding doors are provided at building exits and exit discharge.	Replace all sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.	Within 1 month
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F-11	Egress	The day-care room does not have direct access to an exit and was open to a storage room.	Provide a minimum 2-hr fire-rated exit corridor between the day-care room and exit.	Within 3 months
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F-12	Egress	Handrails are not provided on both sides of the exit steps/ramp on the north side.	Provide handrails on both sides of the exit steps/ramp. 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-13	Egress	Exit stairs discharge inside the building on the south end.	Provide 1-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
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F-14	Fire Protection	Fire alarm panel had a general fault indicated on the panel.	Determine the reason for the fault and fix the issue. Consult a qualified engineer if necessary.	Immediately
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F-15	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
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F-16	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
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F-17	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
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F-18	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
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F-19	Egress Lighting	Exit signage was not provided at a building south exit stair.	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-20	Egress Lighting	Emergency lighting did not function in test mode.	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
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F-21	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
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Table 2. Findings And Recommendations - Building 1

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Liquefied or compressed gas cylinders were located within the factory. Along path of egress.	The storage or use of liquefied or compressed flammable gas cylinders shall be prohibited within the factory building. Re-locate these cylinders not be along a path of egress.	Immediately



F-2	Fire Rated Construction	The boiler room is not separated by fire-rated construction due to openings, non-rated doors and penetrations.	Separate the boiler room by a minimum 1-hr fire-rated construction for non-high rise, and 2-hr fire rated construction for high rise. Seal and/or protect all openings to maintain the required fire separations. When located to the exterior of a building, 3m (10 ft.) separation is required. Provide proper ventilation and consult a qualified engineer.	Within 3 months
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F-3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire-rated construction.	Provide defined storage areas and limit the storage arrangement as follows: - 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) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-4	Fire Rated Construction	Rooms used for combustible storage are not separated by 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 (8ft.) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-5	Fire Rated Construction	The exit discharge path serving the North rear exit that passes the generator and transformer room is less than 10 ft. wide and is not separated from the building interior.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 6 months
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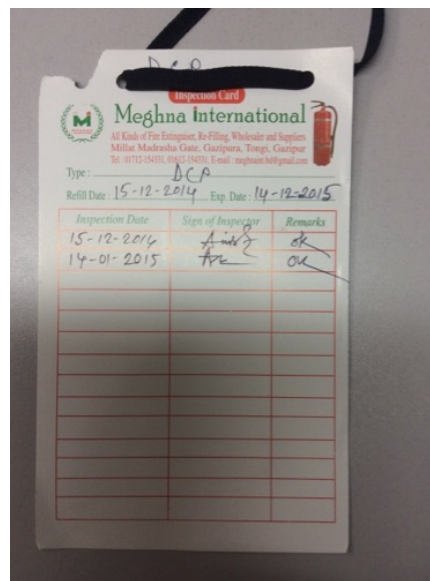
F-6	Egress	Building did not have occupant load at required locations.	Provide occupant load signs at required locations.	Immediately
F-7	Egress	Egress doors with locking features are provided at building exits.	Remove locking features from all egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately
				
F-8	Egress	Collapsible sliding doors are provided at building exits.	Replace all sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.	Within 1 month



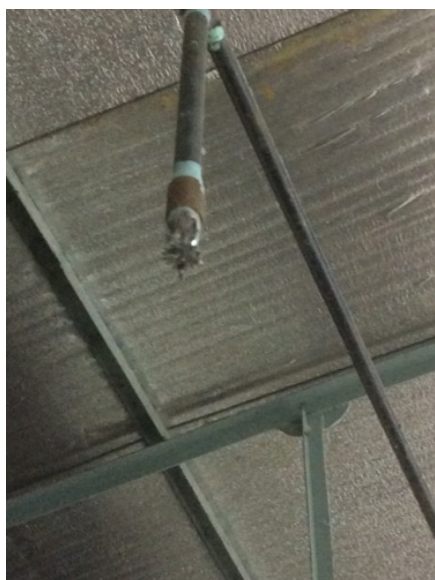
F-9	Egress	Handrails are not provided on both sides of the exit steps. South Exit.	Provide handrails on both sides of the exit steps. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)	Within 3 months
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F-10	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
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F-11	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
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F-12	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
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F-13	Fire Protection	Fire department inlet connection is not provided only outlet is available.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months
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F-14	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
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F-15	Egress Lighting	Exit signage was not properly located at the inspection rooms.	Remove exit signs from the inspection room area to avoid confusion of it not being an exit.	Immediately
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F-16	Egress Lighting	Emergency lighting did not function in test mode.	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
F-17	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
F-18	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 supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months

