

FIRE SAFETY INSPECTION REPORT

Natural Denim Ltd. (New Building)

ACCORD ID: 12566

532, Tongabari, Savar, Dhaka

23.901264, 90.326543

Other Factories: Wash & Wear Ltd.



Inspected by: Md. Rakibul Alam & Nasif Javed Tofa

Date: 09 October, 2016



Summery

Natural Denim Ltd. (New Building) was surveyed for fire safety on 09 October, 2016 by The Accord Inspection Team. 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	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. 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.	Within 1 months





F-2 Fire Rated Construction

Fabric store on the 1st floor is not separated from other occupancy and 4th floor store is not separated from dining and prayer areas.

Separate dedicated storage rooms by minimum 1-hr fire rated construction from other occupancies.

Within 3 months



F-3 Fire Rated Construction

Unsealed electrical shafts are located in the fire-rated floor/ceiling assemblies.

Provide a minimum 2-hr fire-rated shafts to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.

Within 3 months



F-4 Fire Rated Construction

The stairwell stairs to ground floor are not separated/enclosed in fire rated construction.

Provide 2-hr continuous stairwell enclosure on each floor level which directly discharge outside of the building.

Within 3 months



F-5	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated walls and ceilings.	Seal all penetrations and openings in the fire rated walls and ceilings to maintain the required fire separation.	Within 3 months
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F-6	Fire Rated Construction	Areas on the 2 nd , 3 rd and 5 th floor used for combustible storage open to the factory 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 23 m² (250 ft²). If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²). Separate the areas of unenclosed combustible storage by a minimum clear distance of 3 m (10 ft).	Within 3 months
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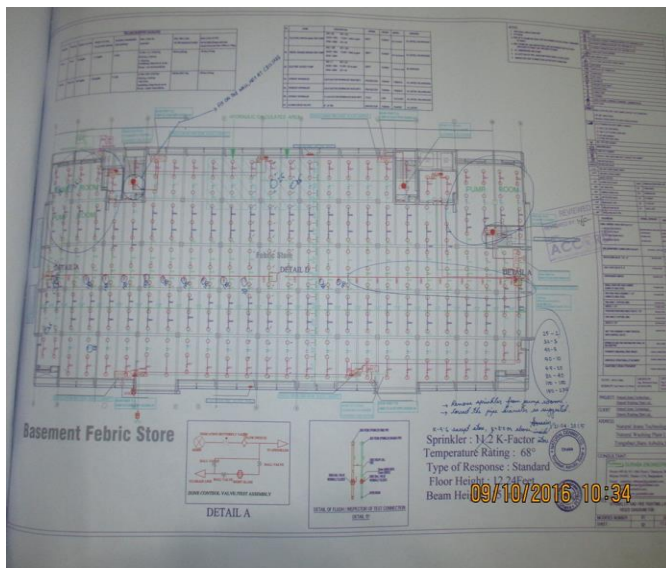
F-7	Egress	Storage was located in the exit stairs. At ground floor level.	Remove all storage from exit stairs.	Immediately
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F-8	Fire Protection	The fire alarm system installation was almost completed up to 4 th floor and Accord reviewed design was available for the existing 7-storied building during. Note: In future it will be 10- storied building.	Install the fire alarm system with a listed addressable automatic fire alarm system in accordance with NFPA 72 and ACCORD standards.	Within 6 months
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F-9	Fire Protection	The existing building has an occupied floor greater than 23m (33 ft) and sprinkler system is required. Note: Accord reviewed design was available for the existing 7-storied building during inspection and installation was almost completed up to 4th floor. In future it will be 10-storied building.	Provide sprinkler system protection throughout the building in accordance with NFPA 14 and ACCORD standards.	Within 9 months
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F-10	Egress Lighting	Manual on-off switch is provided for emergency lighting and exit signage units.	Remove manual on/off switches from emergency Lighting & exit signage units to prevent them from being switched off.	Within 1 month
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F-11	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes at 5 th floor.	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 1 months
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