

FIRE SAFETY INSPECTION REPORT

Denim Processing Plant Ltd.

ACCORD ID: 23834

Belashahor, Chandina, Cumilla

Google Coordinate: 23.485990, 90.986560

Other Factories: None



Inspected By: Mohammad Atick & A N Faisal Ahmed

Date: 13 October, 2019

Fire Safety Inspection Report

Factory Name: Denim Processing Plant Ltd.

Introduction:

ACCORD ID: 23834

Denim Processing Plant Ltd was surveyed for fire safety on 13 October, 2019 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.



Findings & Recommendations :

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.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from other occupancy on each floor by fire rated construction.	Provide minimum 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 ACCORD standard 6.8.3.1.	Within 3 months

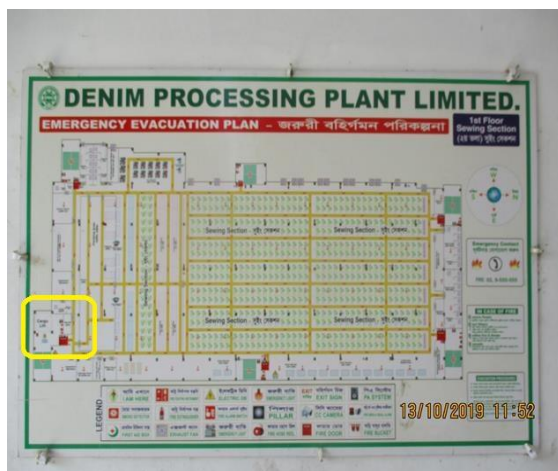




F-2	Fire Rated Construction	Unsealed penetrations and openings are located exit stair enclosure.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation. Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation as per Accord standard 6.3.1.3.	Within 3 months
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F-3	Fire Rated Construction	The elevator discharges in the exit stair enclosure	Modify the elevator and exit stair enclosure arrangement in a way to satisfy Accord standard 6.14.3. Elevator shall not open into an exit enclosure. Elevator landing door shall be of 1.5-hr fire rated.	Within 3 months
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F-4	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies due to electrical cable riser & sewerage line.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-5	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction on several floors.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m ² (250 ft ²) – If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m ² (1,000 ft ²) Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
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F-6	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors. Location: Ground floor & 3rd floor.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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F-7	Egress	Storage was located in the exit stairwell .	Keep egress path and stair clear of storage.	Immediate
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F-8	Egress	Storage was located in the egress path on 1st & 2nd floors.	Provide required aisles mark to define egress path. Keep egress path and stair clear of storage.	Immediate
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F-9	Egress	Egress doors/gates with locking features not complying with NFPA 101 are provided at building exits, along egress routes, exit discharge	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA 101.	Immediate
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F-10	Egress	Stair designation, Floor location and occupant load signage are not posted properly.	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in both English and Bengali language. Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 months
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F-11	Egress	Shutter & sliding doors are provided at ground floor store, compressor room & boiler room along egress routes.	Replace all collapsible, shutter and sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 in accordance with ACCORD standard 6.8.1.	Within 1 months
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F-12	Egress	Handrails are not provided on both sides of each exit stairs on all floors with maintaining allowable sphere diameter. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation.	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.). Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.).	Within 3 months
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F-13	Egress	Parapet height is 32 inches in the main building.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 Months
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F-14	Fire Rated Construction	Dining & prayer areas are not separated by fire rated construction on 3rd floor.	Separate dining & prayer area by a minimum 2-hr fire rated construction from other occupancy & provide required direct exit to stair. Seal and/or protect all openings to maintain the required fire separations.	Within 3 Months.
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F-15	Egress Lighting	Manual on-off switch facility available for emergency lights	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month
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F-16	Egress Lighting	Exit sign not provided at exit & some were found not illuminated (burned out, broken, etc.). . locations: Floor exit, Child care, medical	Provide exit signs above all exits to the exterior and all doors to the exit stair. & Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month
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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
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F-18	Fire Protection	Fire extinguisher were not provided as per standard .	Portable Fire Extinguishers shall install as per accord standard 5.6 .Extinguishers shall be placed so that maximum travel distance to the nearest unit shall not exceed 30 m (100ft). Mounting height shall meet accord standard 5.6.2.1 & 5.6.2.2	Within 3 Months
				
F-19	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 onsite, in accordance with NFPA 10.	Within 1 month



F-20	Fire Protection	The fire alarm & detection system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm & detection system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
F-21	Fire Protection	Inspection, testing, and maintenance 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 10 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.	Design within 4 months, install within 9 months
				
F-23	Fire Protection ITM	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 10 months



F-24	Fire rated construction	Generator, air compressor & sub station room is not separated by fire rated construction from other occupancy.	Separate Generator, air compressor & sub station room by a minimum 2-hr rated construction. . Seal and/or protected all openings to maintain fire separations.	Within 3 months
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