

FIRE SAFETY INSPECTION REPORT

Mega Denim Ltd.

ACCORD ID: 23493

88/1, B.K Bari, Taltoli, Mirjapur, Gazipur sadar, Gazipur

Co-ordinate: 24.120966,90.378342

Other Factories: None



Inspected By: Md. Abidur Rahman

Date: 23 September, 2018

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.



Table-1: Production Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Proper certification was not available for fire rated doors installed in the factory. Moreover, installed doors did not functional properly as well as non-rated door is installed at the exit stair on 1st Floor.	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 3 months



F-2	Fire Rated Construction	Middle Exit Stair enclosure is not separated from the interior of the production area.	Seal all penetrations and openings in exit stair enclosure walls to maintain the 2 hr.fire rated separation.	Within 3 months
				



F-3	Fire Rated Construction	Areas 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:- 1.Maximum height of 2.4m and maximum area of 23m² 2.If sprinkler protected: maximum height of 3.66m and maximum area of 93m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 1 month
				



F-4	Fire Rated Separation	Existing Elevator shaft discharge inside the storage room on ground floor level & creates the unprotected vertical opening with the exit stair enclosure	Provide a shaft enclosure of required rating by constructing the enclosure with rated material of required thickness. Protect the openings of shaft enclosure by providing rated opening protectives.	Within 3 months
				



F-5	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies. Location: From 1st - 5th Floor due to Electrical cable riser.	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation with at least 1.5 hour fire rating.	Within 3 month
 				



F-6	Fire Rated Construction	Store room on 1st Floor is not separated from the production area.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-7	Fire Rated Construction	Exit stair discharge point is not separated from the chemical store & Combustible store room on ground floor.	Provide 2 hr. fire separation. to separate exit stair discharge point from the unprotected occupancy	Within 3 months
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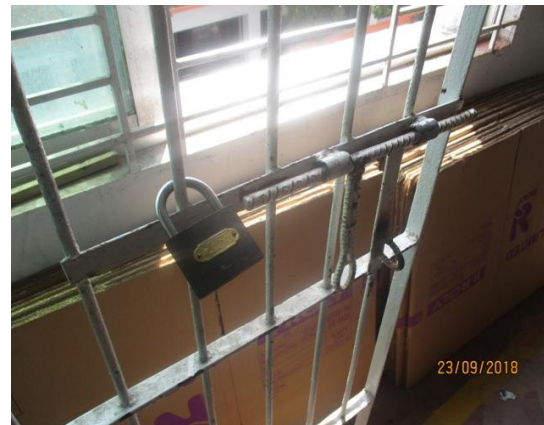




F-8	Fire Rated Construction	The main structural element of the building is constructed by steel which is non-rated and were found in exposed condition.	The building shall be type-I or II construction. So, provide require rating in the structural elements of the building. Consult with a qualified fire protection engineer. BNBC 2006-Table 3.2.4	Within 6 months
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F-9	Means of Egress	Floor Designation Sign, Stair Designation Sign & Occupant Load Sign were not provided at the required places	Provide Floor Designation Sign, Stair Designation Sign & Occupant Load Sign at required places as per Standard	Within 1 month
F-10	Means of Egress	Locking features were present along the means of egress at store room & 1st Floor	Replace the non-compliant locking features with compliant options as per NFPA-101	Immediate



F-11	Means of Egress	Storage (Time Keeping Section) was located inside the exit stair	Exit Stair shall be free from all sort of storage	Immediate
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F-12	Fire Alarm & Detection System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval. If installed system requires modification or alteration then all the applicable works shall have to be accomplished as per NFPA-72	Within 3 months
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F-13	Inspection, Testing & maintenance (Fire Alarm)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 3 months
F-14	Fire Protection System	The existing factory building with an Occupiable floor greater than 10 m (33 ft.) above the finished grade is not protected with an approved standpipe system. Note: Currently installation of standpipe system is going on. Management shall submit the detailed drawing for review to ACCORD	Provide a standpipe system throughout the building in accordance with NFPA 14,20&25	Within 3 months
F-15	Inspection, Testing & maintenance (Fire Protection)	Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 25 or as per Accord standard.	Inspect, test and maintain the standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 3 Months



F-16	Inspection, Testing & maintenance (Extinguisher)	Inspection, testing, and maintenance of the Fire Extinguisher is not in accordance with NFPA 10 or as per Accord standard.	Inspect, test and maintain the fire extinguisher, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 1 Month
F-17	Emergency 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 1 Month
F-18	Emergency Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month



F-19	Inspection, Testing & maintenance (Emergency 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 1 Month
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