

FIRE SAFETY INSPECTION REPORT

DENIM EXPERT LTD.
PLOT 91-93, KARNAPHULI EPZ

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

May 11, 2014

SUMMARY

Denim Expert Ltd. was surveyed for fire safety on 5/11/2014 by Hughes Associates, Inc. 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	Hazardous materials / flammable liquid storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations). Chemical storage on the ground floor not adequately separated from the ground floor washing plant area.	Separate the hazardous materials / flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months



F-2	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on the ground, first and second floors.	Provide minimum 1.5-hr fire rated doors and 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.	Within 3 months
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F-3	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies. Electrical shaft with no adequate fire rated seals.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.	Within 3 months
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F-4	Fire Rated Construction	The transformer room and generator space is not separated by fire-rated construction. Openings, non-rated doors, penetrations all present.	Separate the transformer and generator room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-5	Fire Rated Construction	Dedicated areas used for combustible storage are not separated by fire-rated construction on the ground and first floors, open to all production processes and egress routes.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-6	Egress	Egress doors /gates and roller shutters with locking features are provided at building exits, exit stairs, along egress routes and main exit discharge. All gates/doors and roller shutters were open and unlocked during the inspection.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-7	Egress	Collapsible gates/ sliding doors and roller shutters are provided at building exits, exit stairs, along egress routes and main exit discharge.	Replace all gates / 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.	Within 1 month
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F-8	Egress	The day-care room does not have direct access to an exit stair. At present Day Care facility located on the second floor, travel distance does not meet requirements set by the ACCORD.	Relocate day-care room to ground floor with maximum travel distance of 9m (30 ft).	Within 3 months
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F-9	Egress	Handrails are not provided in both the exit stairs from the first to second floor dining space. Handrails were noted adequate throughout the other stairwells.	Provide handrails on at least one side of exit stair.	Within 3 months
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F-10	Egress	The width of egress aisles is less than 36-in on the first floor production and storage areas.	Provide minimum aisle widths of 36-in.	Within 3 months
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F-11	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Alter the conventional fire alarm system to meet the requirements in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-12	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system were 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
F-13	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months