

FIRE SAFETY INSPECTION REPORT

**VINTAGE DENIM STUDIO LTD.
PLOT 99 AND 102-128, ISHWARDI EPZ, ISHWARDI,
PABNA**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 1, 2014

SUMMARY


Vintage Denim Studio Ltd. was surveyed for fire safety on 6/1/2014 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.

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 - RMG Building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The transformer room is not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the transformer 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	Rooms used for combustible storage are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	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: - Maximum height of 2.4m and maximum area of 23m ² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m ² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
-----	-------------------------	--	--	-----------------



F-4	Egress	Egress doors / gates with locking features are provided at building exits and exit discharge.	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
-----	--------	---	--	-----------



F-5 Egress

Collapsible gates / sliding doors are provided at building exits.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.

Within 1 month

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-6	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was 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-7	Fire Protection	Based off observations, the existing multi detectors tied to the fire alarm were not adequately provided in the east and west office rooms and the east storage area.	Based on ceiling configuration, provide additional detectors where needed, and space them in accordance with NFPA 72.	Within 3 months



F-8	Egress Lighting	Manual on-off switch is provided for emergency lighting / exit signage units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
-----	-----------------	---	---	----------------



Table 2. Findings And Recommendations - Washing Building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The boiler, compressor and transformer rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations). The utility building is open to egress path.	Separate the boiler, generator and transformer rooms 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	Hazardous materials / flammable liquid storage area in the building and assembly building is not separated by fire-rated construction (openings, non-rated doors, penetrations).	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-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.	Within 3 months
			<p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none">- Maximum height of 2.4m and maximum area of 23m²- If sprinkler protected: maximum height of 3.66m and maximum area of 93m²	
			<p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	



F-4

Fire Rated
Construction

Rooms used for
combustible storage in
the assembly building
are not separated by
fire-rated construction.

Provide dedicated storage
rooms separated by minimum
1-hr fire-rated construction.

Within 3
months



F-5	Fire Rated Construction	The exit stairs and ramp in assembly building are not separated from other spaces on each floor by fire-rated construction.	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.	Within 3 months
			If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	



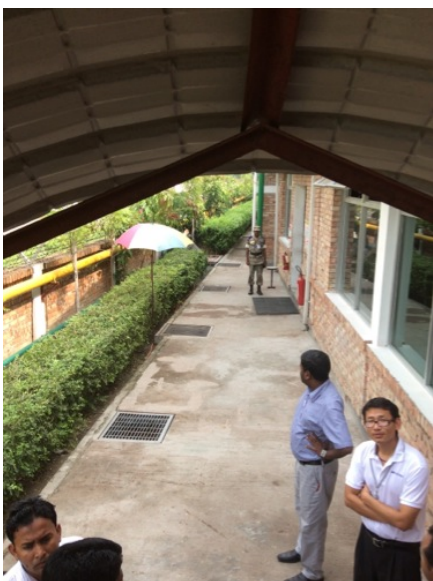
F-6 Fire Rated Construction

All exit discharge paths, except the southwest, are less than 10 ft wide and are not separated from the building interior or other building.

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.

Within 6 months

Alternatively, provide a second remote discharge path to the public way (only include this if feasible).





F-7	Egress	Egress doors / gates with locking features are provided at the building, assembly and office building exits and exit discharge.	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
-----	--------	---	--	-----------





F-8 Egress

Collapsible gates / sliding doors are provided at the building and assembly building exits.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.

Within 1 month

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.





F-9	Egress	The north exit door did not swing in the direction of egress travel.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
-----	--------	--	--	-----------------



F-10	Fire Protection	Some detectors in the building and assembly building did not remove the detector cover.	Remove the detector cover.	Immediate
------	-----------------	---	----------------------------	-----------



F-11	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was 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-12	Fire Protection	Based off observations, the existing multi detectors tied to the fire alarm were not adequately provided in the northeast office room on ground floor and the office area on mezzanine floor.	Based on ceiling configuration, provide additional detectors where needed, and space them in accordance with NFPA 72.	Within 3 months
------	-----------------	---	---	-----------------



F-13	Fire Protection	The mezzanine floor is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove the single-station smoke alarms. Provided automatic smoke detectors throughout the building in accordance with NFPA 72.	Within 6 months
------	-----------------	---	--	-----------------



F-14	Egress Lighting	Manual on-off switch in the building, assembly and office building is provided for emergency lighting / exit signage units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
------	-----------------	---	---	----------------



F-15	Egress Lighting	Exit sign not provided at the north exit door in building and the meeting room in office building.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
------	-----------------	--	--	----------------

