

FIRE SAFETY INSPECTION REPORT

DIVINE TEXTILE LTD. (UNIT-2)
CHANDRA, KALIAKOIR

OTHER FACTORIES: NONE



ACC  **RD**
on Fire and Building Safety in Bangladesh

March 31, 2014

SUMMARY

Divine Textile Ltd. (Unit-2) was surveyed for fire safety on 3/31/2014 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	The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction.	<p>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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 months



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.	Within 3 months
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Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.



F-3	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls and ceilings to maintain the fire separation.	Within 3 months
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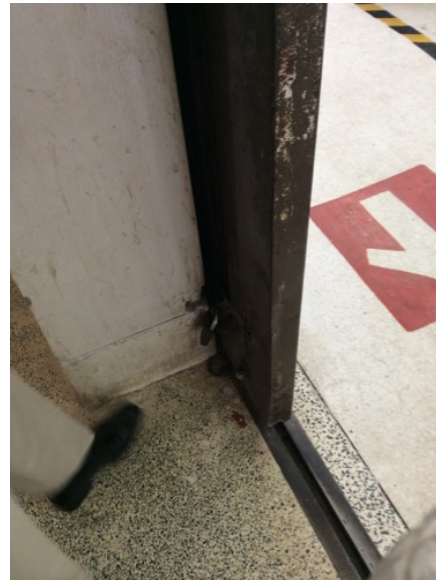
F-4	Fire Rated Construction	Hazardous materials / flammable liquid storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations).	Separate the hazardous materials / flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
		Location: Basement		



F-5	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Multiple areas.	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 6 months
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F-6	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and exit discharge. All gates/doors 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

Storage was located in the exit stair.

Remove all storage from exit stairs and egress paths.

Immediate



F-8	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge. Multiple floors and locations.	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-9	Egress	The width of egress aisles is less than 36-in. Multiple isles on multiple floors.	Provide minimum aisle widths of 36-in.	Within 3 months
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F-10 Egress

Exit stair door does not swing in the direction of egress travel.

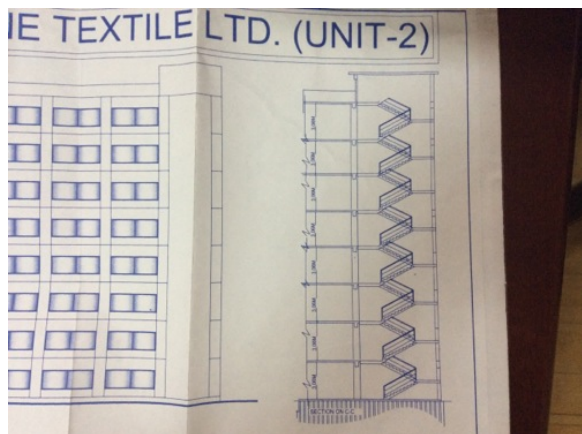
Modify the egress door to swing in the direction of egress travel.

Within 3 months

On multiple floors.



F-11	Fire Protection	<p>The high-rise building has an occupied floor greater than 23m (75 ft) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.</p> <p>Building is 77 ft tall to the highest occupied floor.</p>	<p>Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.</p>	<p>Design within 6 months, install within 12 months</p>
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F-12	Fire Protection	<p>Inspection, testing, and maintenance records for the fire alarm system were not available.</p>	<p>Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.</p>	<p>Within 3 months</p>
F-13	Fire Protection	<p>Inspection, testing, and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.</p>	<p>Inspect, test and maintain the automatic sprinkler system, and keep written records on-site, in accordance with NFPA 25.</p>	<p>Within 3 months</p>

F-14	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 3 months
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F-15	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 accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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