

FIRE SAFETY INSPECTION REPORT

CRONY TEX SWEATER LTD.

**PLOT NO. 190-193, 206-209, BLOCK B, BSCIC
INDUSTRIAL ESTATE, FATULLAH**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

May 10, 2014

SUMMARY

Crony Tex Sweater Ltd. was surveyed for fire safety on 5/10/2014 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
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F-1	Fire Rated Construction	Storage rooms used for combustibles are not separated by fire-rated construction on all floors.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-2	Fire Rated Construction	The boilers, generator, and transformer on the first floor are not separated by fire-rated construction.	Separate the boiler, generator, transformer rooms by a minimum 2-hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from work or storage areas 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. 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-4	Fire Rated Construction	Areas used for combustible storage on factory floors are not separated by fire-rated construction on Floors 2, 4, and 5.	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <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>	Within 3 months
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F-5	Fire Rated Construction	The elevator is currently not installed. The empty elevator shaft is not separated from the floors, potentially allowing smoke travel between all floors.	Properly seal elevator shaft with fire rated construction until elevator is installed.	Within 3 months
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F-6 Egress

Trash cans were located on every floor of each stairwell. Additionally, combustible storage was present at the base of both exit stairs.

Remove all combustibles and storage from exit stairs and egress paths.

Immediate



F-7	Egress	Exit capacity (433) is not adequate for the occupant load (597, 500, 596) on Floors 3-5.	Immediately reduce occupant load to not more than available exit capacity (433). If possible provide additional exits to increase capacity in the future.	Immediate
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F-8	Egress	Collapsible gates are provided at building exits, exit stairs, along egress routes, and at exit discharge at various locations throughout the building.	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 on Floors 3-5 between production machines.

Provide minimum aisle widths of 36-in.

Within 3 months





F-10 Egress

The south exit stairs discharge inside the building in an entry vestibule area which is open to store rooms and contains combustible storage.

Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).

Within 6 months

-OR-

Provide sprinkler protection for discharge floor in accordance with NFPA 13.

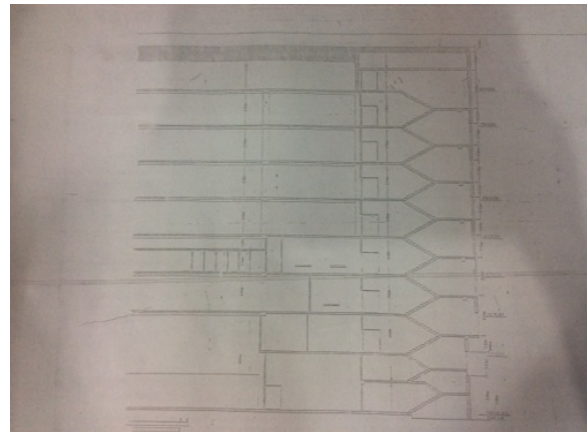




F-11	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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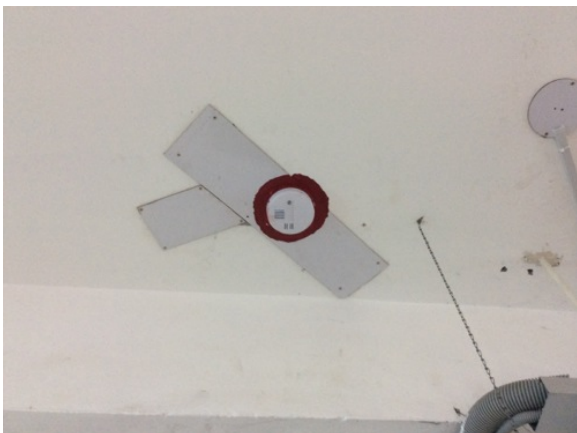
F-12	Fire Protection	<p>The high-rise building has an occupiable floor that will be greater than 23m (75 ft) when completed and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.</p>	<p>Provide 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-13	Fire Protection	<p>Inspection, testing, and maintenance for the fire alarm system was not in accordance with NFPA 72.</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>
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F-14	Fire Protection	The building 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 single-station smoke alarms. Provide automatic smoke detection throughout the building in accordance with NFPA 72.	Within 6 months
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F-15	Egress Lighting	Manual on-off switch is provided for battery backup emergency lighting.	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	Inspection, testing, and maintenance records for the emergency lighting system were not available.	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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F-17	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months
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