

FIRE SAFETY INSPECTION REPORT

T.J SWEATER LTD

16/7, SATAISH ROAD, GAZIPURA, TONGI, GAZIPUR.

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

July 13, 2014

SUMMARY

T.J Sweater Ltd was surveyed for fire safety on 7/13/2014 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 boiler and generator rooms on the ground floor are not separated by fire-rated construction (openings, non-rated doors and penetrations).	Separate the boiler and generator 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	Areas used for combustible storage on the ground and 1st floors 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 23m² - 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 3 months
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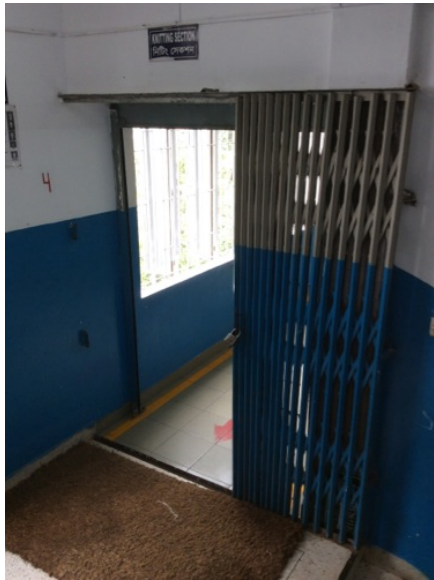


F-3	Fire Rated Construction	Rooms used for combustible storage on the ground, 1st, 2nd and 3rd floors are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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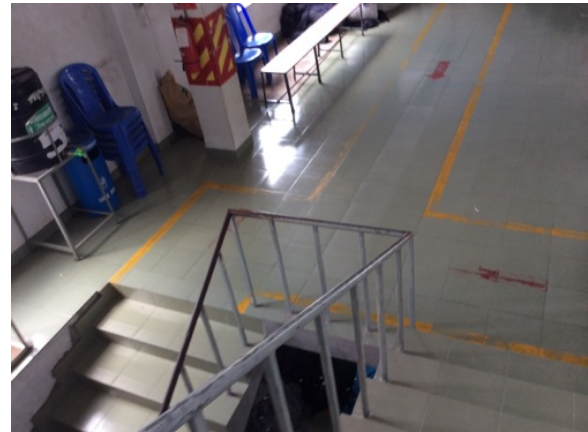
F-4	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas on all floor levels. Ensure that the fire doors are self-closing 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-5	Fire Rated Construction	Unsealed penetration is located in the south exit stair on the 1st floor.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-6	Fire Rated Construction	The north exit stairwell and center exit stairwell of the building are not enclosed in fire-rated constructions.	Provide minimum 2-hr fire-rated construction walls and minimum 1.5-hr fire-rated doors for the continuous exit stairwell enclosure on each floor.	Within 3 months
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F-7	Fire Rated Construction	The exit discharge path serving south exit stair is less than 10 ft. wide and is not separated from the building interior.	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
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F-8	Egress	Egress gates with locking features are provided at building exits, exit stairs and exit discharge.	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-9	Egress	Storage were located in all exit stairs on the ground floor and the 1st floor in the north exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
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F-10	Egress	Collapsible gates are provided at building exits, exit stairs and exit discharge.	Replace all gates along the means of egress with side-hinged, swinging egress doors.	Within 1 month
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If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-11	Egress	The day-care room on the 4th floor does not have direct access to an exit stair.	Provide a minimum 2-hr fire-rated exit corridor between the day-care room and exit stair or Relocate day-care room to ground floor with maximum travel distance of 9m (30 ft).	Within 3 months
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F-12	Egress	Handrails are not provided in the north exit stair.	Provide handrails on at least one side of exit stair.	Within 3 months
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F-13	Egress	Center exit stair of the building, east exit stair and north exit stair discharge to the interior of the building on the ground floor and openings (storage and shopping malls) of discharge floor.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas) or Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months
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F-14	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-15	Fire Protection	Inspection, testing, and maintenance of the fire alarm system is 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
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F-16	Fire Protection	The fire alarm system does not appear to provide adequate audible notification coverage on each floor.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 6 months
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F-17	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, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months
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F-18	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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F-19	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes for each floor.	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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