

FIRE SAFETY INSPECTION REPORT

**IMPRESS NEWTEX COMPOSITE TEXTILE
LTD. & NEWTEX DESIGN LTD.
GORAI, MIRZAPUR, TANGAIL**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 24, 2014

SUMMARY

Impress Newtex Composite Textile Ltd. & Newtex Design Ltd. was surveyed for fire safety on 6/24/2014 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 on each floor by fire-rated construction. Even though the fifth stair is not being counted as an exit stair it is still required to be separated like an exit stair since it is connecting four 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



F-2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Location: All floors.	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	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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F-4	Fire Rated Construction	Storage 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
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Locations: All storage rooms and warehouses on all floors.



F-5	Fire Rated Construction	Unprotected openings are located in the shaft penetrating all floors for the future elevator.	Provide a minimum 2-hr fire-rated shaft to separate the location for the future elevator from each floor level.	Within 3 months
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F-6	Fire Rated Construction	The pump room is not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: Pump is located under the northeast stair at ground floor.	Separate the pump 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-7	Egress	Egress doors / gates with locking features are provided at exit stairs and exit discharge. Location: All stairs and discharges at all floors. 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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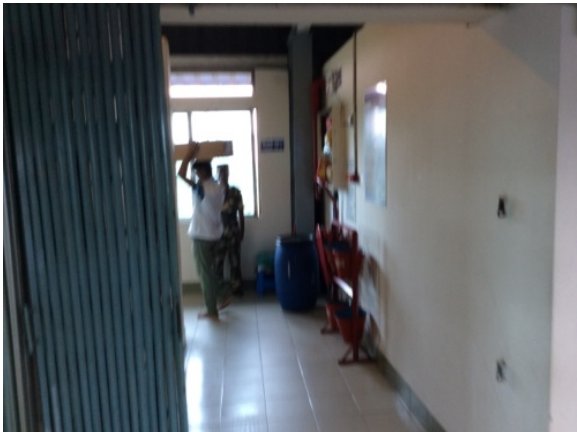
F-8	Egress	Exit capacity is not adequate for the occupant load. Location: The exit capacity for both the 1st and 2nd floors is 853 and the occupant load is 900.	Reduce occupant load to not more than available exit capacity of 853 on 1st and 2nd floors or provide additional exits (the fifth exit stair on the south might be upgraded with fire-rated separation, handrails, signage, and lighting).	Immediate
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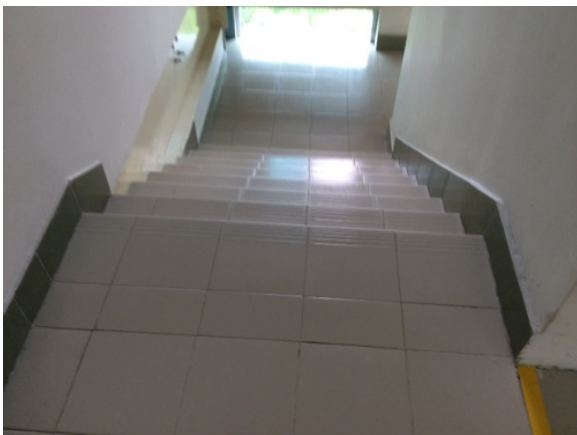
F-9	Egress	Storage was located in the exit stair. Fixed pump equipment was mounted under one of the stairs. Location: Several floors of all stairs, particularly, at ground floor.	Remove all storage from exit stairs and egress paths.	Immediate
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F-10	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, exit discharge. Location: All stairs at all floors.	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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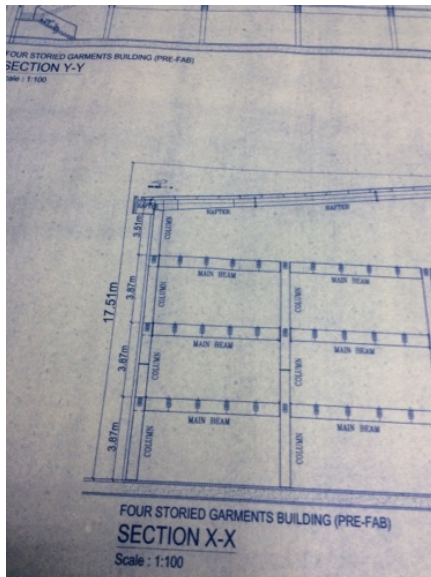
F-11	Egress	Handrails were not provided in the fifth stair on the south side.	Provide handrails on at least one side of exit stair.	Within 3 months
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F-12	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide 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-13	Fire Protection	The building is not a high-rise building. However, it is of non-rated steel construction and has a floor area and number of stories exceeding ACCORD standards. The building is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
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F-14	Fire Protection	Inspection, testing, and maintenance 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
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F-15	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
F-16	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.). Location: 3rd floor.	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month



F-17	Egress Lighting	Exit sign not provided at exit. Location: Temporary female dining area on the 3rd floor had two exits, but only one sign was provided.	Provide exit signs above all exits to the exterior and all doors to the exit stairs.	Within 1 month
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F-18	Egress Lighting	Manual on-off switch is provided for all battery powered emergency lighting units.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month
		Location: At all stairs and egress routes on all floors.		



F-19	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system were 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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