

FIRE SAFETY INSPECTION REPORT

**ANANTA JEANS WEAR LTD,
134/123 KABI JASHIM UDDIN ROAD, PAGAR, TONGI**

OTHER FACTORIES: NONE



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

March 24, 2014

SUMMARY

Ananta Jeans Wear Ltd, was surveyed for fire safety on 24-03-2014 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	Combustible materials are stored at egress paths at ground floor without the proper clear distance. And At ground floor south side exit stairwell, below the stair .the area was used as storage room for IPS batteries .	Removed storage from egress paths and exit stairs. Provide dedicated storage rooms separated by minimum 1-hr fire rated construction.	Within 3 months





F-2	Fire Rated Construction	Egress paths are used for fabric materials storage with no adequate clearance at 1st, and 2nd floor work areas .	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 -Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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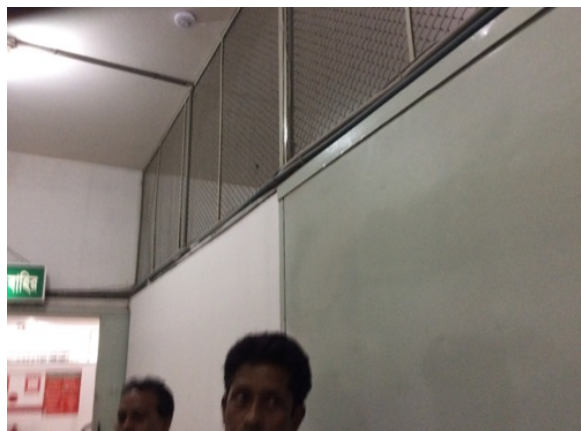


F-3	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction.	<p>Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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
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F-4	Fire Rated Construction	Areas used for combustible storage are not fully separated by fire-rated construction. At ground floor	<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 6 months
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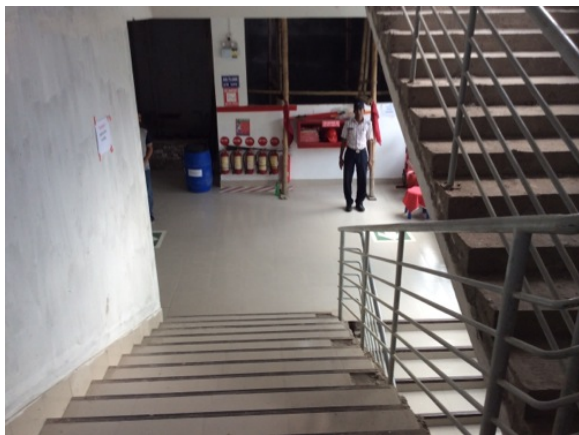




F-5	Egress	<p>Egress doors / gates with locking features are provided at building exits, exit stairs , exit discharge in east and south stairwells.Remote exit doors are provided with key type locked system.All doors are opened at the time of inspection.</p> <p>Specify type, location(s) and if all gates/doors were open and unlocked during the inspection.</p>	<p>Remove locking features from all egress doors / gates.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	Immediate
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F-6	Egress	<p>Exit capacity is not adequate for the occupant load. For 1st floor exit capacity is 412 , occupant load is 497 ; 2nd floor-exit capacity is 412, occupant load is , 510 ; 3rd floor -exit capacity is 412 , occupant load is 495 ; 4th floor exit capacity is 412 , occupant load is 457</p>	<p>- Reduce occupant load to not more than 412 persons based on the available exit capacity.</p> <p>And in the future provide additional exits to increase exit capacity.</p>	Immediate
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F-7 Egress

Exit stairs on the east side discharge to a 1.9 meter covered corridor leading to building exit at the north side of the building at ground floor. While the south side stair discharge to the open assembly area at ground floor.

- Remove the open nurses station along the passage way leading to the building exit.
- Provide fire rated separation {vestibule) at ground floor exit stairwell to enclosed the stairwell from the corridor.

Immediate





F-8 Egress

Storage was located in the egress path. At 1st ,2nd ,3rd and 4th floors

Keep egress paths and stairs clear of storage.

Immediate





F-9 Egress

Storage was located in south side exit stairs at ground and 2nd floors.

Remove all storage from exit stairs and egress paths.

Immediate



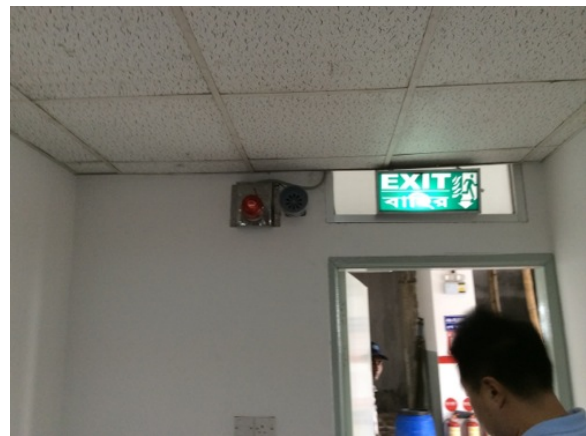


F-10	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, exit discharge in all floor levels of the building.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-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. There is a Fire alarm control panel installed in the ground floor security room but it is not operational.	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	Based on the on-going construction work ,which will eventually have additional floor levels, the building will have 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.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months; Installation within 12 months
F-13	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system were not available.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months