

# **FIRE SAFETY INSPECTION REPORT**

**INTERNATIONAL TRADING SERVICES,  
LTD  
JARUN ROAD**



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

April 3, 2014

## **SUMMARY**

**International Trading Services, Ltd was surveyed for fire safety on 4/3/2014 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	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months



F-2	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-3	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction.  Throughout building.	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 <sup>2</sup> - If sprinkler protected: maximum height of 3.66m and maximum area of 93m <sup>2</sup>  Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-4	Fire Rated Construction	Building is connected on the ground through 6th floors by unprotected shaft to all areas of the building.	Provide minimum 2-hr fire rated walls and seal all unprotected openings to separate the shaft from work areas and other building spaces on all floor levels.	Within 3 months
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F-5	Egress	Egress doors / gates with locking features are provided at building exits, and exit stairs.  Pad locks on doors were unlocked and open at time of 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-6	Egress	Storage was located in the egress path.  Several locations throughout building.	Keep egress paths and stairs clear of storage.	Immediate
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F-7	Egress	Storage was located in the exit stair.  At ground floor.	Remove all storage from exit stairs and egress paths.	Immediate
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F-8 Egress

Collapsible gates / sliding doors are provided at building exits, and exit stairs.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.

Within 1 month

Sliding gates at many egress stairs.

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



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F-9	Egress	The width of egress aisles is less than 36-in.  On multiple floors.	Provide minimum aisle widths of 36-in.	Within 3 months
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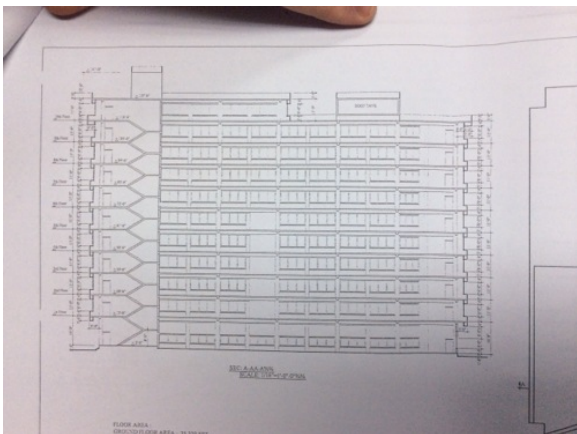
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F-10	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-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>Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.</p>	<p>Design within 6 months, install within 12 months</p>
		<p>Building is 103 feet high.</p>		



F-12	Fire Protection	<p>Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only on the floor of alarm and not throughout the building.</p> <p>One (1) manual switch activates single floor, one (1) activates whole building.</p>	<p>Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation.</p>	<p>Within 1 months</p>
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F-13	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-14	Fire Protection	<p>The fire alarm system does not appear to provide adequate audible notification coverage.</p> <p>All floors had only one horn per floor.</p>	<p>Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.</p>	<p>Within 6 months</p>



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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.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in addition to the manual fire alarm stations.	Within 6 months
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F-16	Egress Lighting	Manual on-off switch is provided for emergency lighting / exit signage units.  Several locations throughout building.	Remove manual on/off switches from emergency lighting and exit signage units to prevent them from being switched off.	Within 1 month
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F-17	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).  Several locations	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month
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F-18	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 1 month
		Tested on first floor.		

