

FIRE SAFETY INSPECTION REPORT

MAWNA FASHION LTD.

ACCORD ID: 11954

TAPIR BARI, SRIPUR, GAZIPUR.

OTHER FACTORIES: NONE



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

February 14, 2015

SUMMARY

Mawna Fashion Ltd. was surveyed for fire safety on 2/14/2015 by Jensen Hughes. 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.

Tables 1 - 2 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 - New building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The fire door was not provided a self-closing device.	Ensure that the fire doors are self-closing provided with fire exit (panic) hardware where serving fire door.	Within 1 month



F-2	Fire Rated Construction	Rooms used for combustible storage on the ground floor are not separated by fire-rated construction.	<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 2.45m (8ft.) and maximum area of 23m² (250 ft²)- If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²) <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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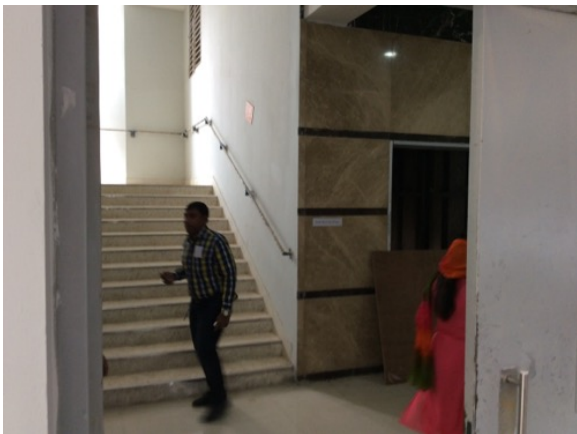
F-3	Fire Rated Construction	Areas used for combustible storage on the 1st, 2nd and 3rd floors open to the factory are not separated by fire-rated construction.	<p>Provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²) - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²) <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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F-4	Fire Rated Construction	The east exit stair enclosures are not separated from other spaces on each floor by fire-rated construction.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2-hr fire resistance rating for buildings 4 or more stories.	Within 3 months
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F-5	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
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F-6	Fire Rated Construction	Storage room discharges directly into exit stair enclosure.	Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
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F-7	Fire Rated Construction	Unsealed electrical shafts 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 and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-8	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Immediately
F-9	Egress	Exit stairs serve more than 5 stories and do not have required re-entry provisions.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1.	Within 3 months
F-10	Egress	East exit stairs discharge inside the building.	Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 months



F-11	Fire Protection	The high-rise building has an occupied floor greater than 23m (75 ft.) and is not provided throughout the building with automatic sprinkler protection.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
F-12	Fire Protection	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on-site, in accordance with NFPA 10.	Within 3 months
F-13	Fire Protection	Inspection, testing and maintenance for 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
F-14	Fire Protection	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months

F-15	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 3 months
F-16	Fire Protection	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system and keep written records on-site, in accordance with NFPA 25.	Within 3 months
F-17	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14.	Within 3 months
F-18	Fire Protection	Fire pump did not meet ACCORD standard 5.5.1 and 5.5.1.1.	Update current fire pump or provide a new fire pump that meets ACCORD standard 5.5.	Within 6 months



F-19	Fire Protection	The required standpipe system is not installed in accordance with the ACCORD standard.	Install a new standpipe system in accordance with ACCORD standard 5.4 and NFPA 14.	Within 6 months
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A class III system shall be installed in buildings with the highest occupiable floor 10 m (33 ft.) above grade or more. A class I system shall be permitted in buildings protected throughout by an approved automatic sprinkler system.





F-20	Egress Lighting	Manual on-off switch is provided for exit signage units.	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-21	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 the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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Table 2. Findings And Recommendations - Old building

No.	Category	Finding	Recommendation	Remediation Timeframe										
F-1	Fire Rated Construction	The fire doors that were provided did not meet NFPA 252.	All fire doors shall be self- or automatic closing and upon closing shall include positive latching hardware.	Within 1 month										
<div style="display: flex; justify-content: space-around;">   </div>					F-2	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Immediately	F-3	Egress	Exit capacity(318) is not adequate for the occupant load(410) at 1st floor.	Reduce occupant load immediately to not more than available exit capacity (318). Provide additional exits in the future to increase exit capacity.	Immediately
F-2	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Immediately										
F-3	Egress	Exit capacity(318) is not adequate for the occupant load(410) at 1st floor.	Reduce occupant load immediately to not more than available exit capacity (318). Provide additional exits in the future to increase exit capacity.	Immediately										

F-4	Egress	Egress doors with locking features are provided at building exits	Remove locking features from all egress doors and gates.	Immediately
			If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	



F-5	Egress	Sliding door are provided at building exits.	Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.	Within 1 month
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F-6	Egress	The number of required exits is not present in factory on the second floor. The second floor is only provided with one exit.	The number of means of egress from any floor or story shall not be at less than 2 unless it meets ACCORD standard 6.6.2. When load exceeds 500 occupants the number of means of egress shall be at least 3. When load exceeds 1000 occupants the number of means of egress shall be at least 4.	Within 6 months
F-7	Fire Protection	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on-site, in accordance with NFPA 10.	Within 3 months
F-8	Fire Protection	Inspection, testing and maintenance for 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

F-9	Fire Protection	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 3 months
F-10	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 3 months
F-11	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14.	Within 3 months
F-12	Fire Protection	Fire pump did not meet ACCORD standard 5.5.1 and 5.5.1.1.	Update current fire pump or provide a new fire pump that meets ACCORD standard 5.5.	Within 6 months
F-13	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 the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months