

FIRE SAFETY INSPECTION REPORT

NEXT EXPORT ZONE LIMITED

ACCORD ID: 23980

105/4, Adaboi, Peara Bagan, Joydebpur, Gazipur, Bangladesh (23.970757,90.425155)

Other Factories: None



ACCORD
on Fire and Building Safety in Bangladesh

Inspected By: Pantha Pallob Das & Shahina Imam

Date: 24 February, 2020

Fire Safety Inspection Report

Factory Name: Next Export Zone Limited

Introduction:

Next Export Zone Limited complex was surveyed for fire safety on 24/02/2020 by The Accord Inspection Team. The purpose of the 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.



Findings & Recommendations :

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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction. Fire rated door was installed but were non-functional.	<p>The exit stair enclosure shall be provided with a minimum 2-hr. fire resistant construction with minimum 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction.</p> <p>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.</p>	Within 3 months.



F-02	Fire Rated Construction	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.</p> <p>Location: Electric Riser on every floor.</p>	<p>Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 2-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's datasheet.</p>	Within 1 months
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F-03	Fire Rated Construction	<p>Areas used for combustible storage open to the factory are not separated by fire rated construction.</p> <p>Location: Ground floor of the building.</p>	<p>Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²)</p> <p>- If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²).</p> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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F-04	Fire Rated Construction	North-East stair discharge inside of building.	Ensure direct discharge from stair or provide 2-hr fire rated passageway for safe evacuation.	Within 3 months
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F-05	Fire Rated Construction	Parapet height measured 28 " in some portions.	Extend the parapet to maintain minimum 42 inch in height.	Within 3 months.
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F-06	Egress Illumination	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 1 month.
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F-07	Means of Egress	Headroom in the passageway of North-East stair measured less than 6 ft 8 inch.	Ensure minimum headroom 6ft 8 inch or re-route the egress way to avoid the critical path.	Within 1 month.
 <p>24/02/2020 12:47</p>				
F-08	Means of Egress	Handrails are not provided on both sides for any of the exit stair on all floors.	<p>Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread.</p> <p>Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)</p>	Within 3 months





F-09	Means of Egress	Fire rated door obstructed the landing of stairs.	Re-arrange the door installation to avoid obstruction.	Within 1 month.
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F-10	Fire Detection & Alarm System.	The addressable fire detection and alarm system is installed for the building but the system was not functional during inspection. However, the compliance level of the system shall be verified as per relevant Standard.	Submit the Fire Detection and Alarm system design to ACCORD for review and modify the system as per the recommendation. The equipment shall be listed and 3rd party certified. The installation shall be as per NFPA -72.	Design submission within 1 month and installation modification within 4 months.
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F-11	Fire Detection and Alarm System (ITM).	Inspection, testing and maintenance (ITM) for the fire detection and alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection and alarm system and keep written records on-site, in accordance with NFPA 72.	Within 01 month (After complete installation)
F-12	Fire Protection System	The highest occupied floor of existing building is more than 10 m (33 ft.) above/ below grade but standpipe system is not installed in the building.	Provide class-III standpipe system (both a 40 mm connection with attached hose and a 65 mm connection) throughout the building in accordance with NFPA 14, 20, 22 and 24.	Design within 4 months and installation within 9 months
F-13	Fire Protection System (ITM)	Inspection, testing and maintenance (ITM) of the fire pump is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump and keep written records on-side, in accordance with NFPA 25.	Within 01 month (After complete installation)



F-14	Fire Protection System (ITM)	Inspection, testing and maintenance (ITM) of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-side, in accordance with NFPA 25.	Within 03 months (After complete installation)
F-15	Fire Protection System (ITM)	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 onsite, in accordance with NFPA 10.	Within 1 month

