

FIRE SAFETY INSPECTION REPORT

NRN Knitting & Garments Limited

ACCORD ID: 12441

ADDRESS: 181, Jamgara, Ashulia, Dhaka, Bangladesh

Other Factories: None



Inspected By: Raju Ahmed & Md. Atick Al Zaman

Date: May 24, 2016

Fire Safety Inspection Report

NRN Knitting & Garments Limited

Summary:

NRN Knitting & Garments Limited was surveyed for fire safety on 24th May 2016 by The Accord Inspection Team. 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.



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.

SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	The exit stairs are not separated from factory floor on each floor by fire-rated construction.	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 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Store room on seventh floor.	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 ² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m ² . Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months	



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3	Fire Rated Construction	Rooms used for combustible storage on the ground floor are not separated by fire-rated construction. Location: 1st and 4th floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 2 months	 
4	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
5	Fire Rated Construction	Flammable gas storage area is not separated by fire-rated construction	Separate the flammable gas cylinder storage area by a minimum 2-hr fire-rated construction	Within 3 months	
6	Lockage Egress Doors	Egress doors/gates with locking features not complying with NFPA101 are provided at [building exits, exit stairs, along egress routes, exit discharge]	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Immediate	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
7	Sliding Door & Gates	Collapsible gates/sliding doors/rolling shutter doors are provided at [building exits, exit stairs, along egress routes, exit discharge]	Replace all collapsible gates/ sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month	
8	Egress	Parapets or guards are not provided in occupied roof. OR Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.).	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months	



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9	Egress	Storage and office was located in both exit stair.	Remove storage and office area from the exit stairs and egress path	Immediate	
10	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.	Within 1 month	



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11	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Dining area.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 2 months	
12	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 2 Months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
13	Fire Alarm System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 4 months	
14	Fire Alarm System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 2 months	



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15	Fire Protection System	The existing building has an occupied floor greater than 10 meter (33 feet) and is not provided with standpipe protection.	Install a new class III standpipe system & fire department connection in accordance with NFPA 14. A class I system shall be permitted in buildings protected throughout by an automatic sprinkler system.	Design within 2 months, Install within 6 months	
16	Fire Protection System	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 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
17	Fire Protection System	Fire department connection is not provided.	Provide fire department connection in accordance with ACCORD standard 5.5.4.	Within 6 months	
18	Fire Protection System	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 6 months	



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18	Day care	Storage was located inside the child care room.	Remove all storage from child care room.	Immediately	

