

INITIAL FIRE SAFETY INSPECTION REPORT

Gumti Textiles Limited

Factory ID: 10974

Plot # 1163, Chandra, Shafipur opp. of Ansar Academy, Kaliakoir, Gazipur, Bangladesh.

23.730 ,90.398

Other Factories: None



Inspected By: Pantha Pallob Das, Md. Abu Taher Khan & Md. Sadid Rahman

Date: 20-Dec-2020

Fire Safety Inspection Report

Gumti Textiles Limited

Summary:

Gumti Textiles Limited. complex was surveyed for fire safety on 20/12/2020 by The RSC 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 RSC for approval.

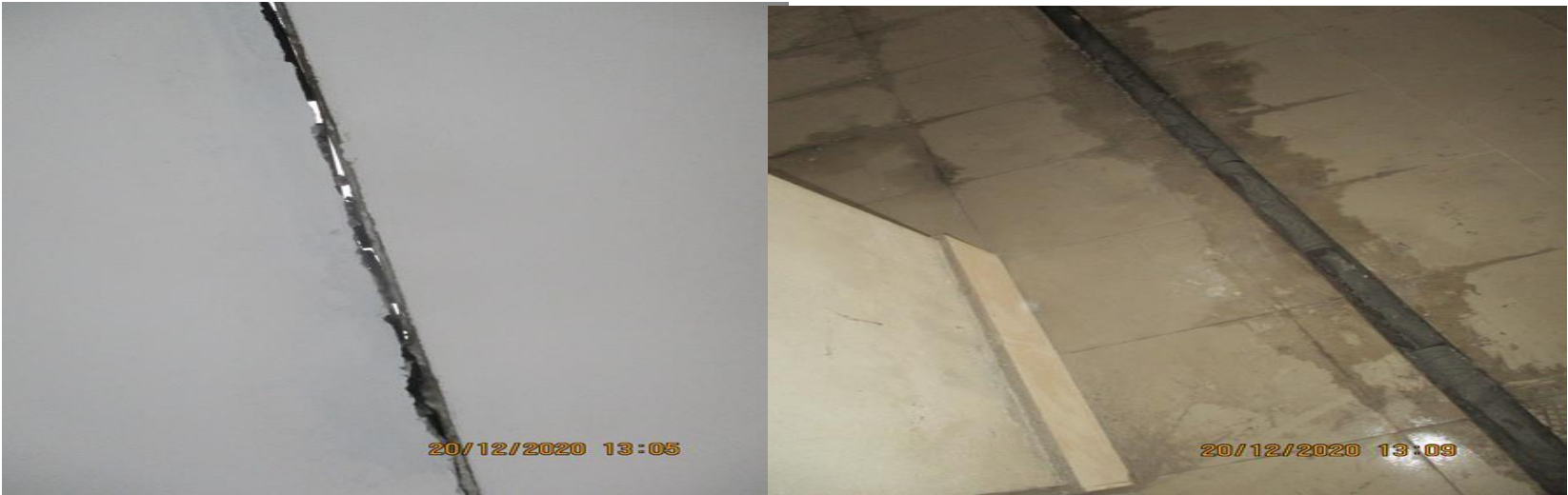
Findings & Recommendations :

The following "Table" 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 RSC for approval.

Table-1: Findings & Recommendations of Building A+ E

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction.	The exit stair enclosure shall be provided with a minimum 2-hr. fire resistance rating. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction. 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 3 months



F-2	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Locations: All floors.	Seal all penetrations and openings in floors/ceiling assemblies to maintain the 2 hr fire separation.	3 Months
				

F-3	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Location: 2nd 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 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m²	Within 3 months
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F-4	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction on 1st floor.	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.	Within 3 Months

F- 5	Fire Rated Construction	Elevator Shafts is not provided with Fire Rated Construction and opening protection. Shaft opening is in exit stair (East).	In new construction, elevators shall not open into an exit enclosure [Accord Building Standard 6.14.3]. So, rearrange the facility to provide separate enclosure for lifts. If not possible anyway provide a minimum 2-hr fire-rated elevator shaft with listed fire rated lift landing door to separate from each floor level.	4 months
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F-6	Fire Rated Construction	Generator room is not separated by fire-rated construction (openings, non-rated doors). (Utility building and building A+E)	Separate the generator room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-7	Fire Rated Construction	Boiler room is not separated by fire-rated construction (openings, non-rated doors). (Utility building)	Separate the generator room by a minimum 1-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
				
F-8	Fire Rated Construction	Compressor room is not separated by fire-rated construction (openings, non-rated doors). (Utility Building)	Separate the compressor room by a minimum 1-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months



F-9	Fire Rated Construction	Exit Discharge: None of the exit discharge directly outside of the building or to a fire rated passageway.	All the exits shall be discharged directly outside of the building or through a minimum 2-hr fire rated passageway.	Within 3 Months
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F- 10	Egress	Handrails are not provided in the East Exit Stair	Provide handrails on both side of exit stair having a minimum height 34 in. as measured from the leading edge of the tread.	Within 1 month

				
F- 11	Egress	Egress obstruction has been observed on west stair. Location : Ground Floor	Remove all obstruction/storage from means of egress which shall be maintained continuously free and clear of all obstructions/storage.	Immediately



F- 12	Egress	Parapets or guard are not provide in occupiable roof. Location : Building E	Provide parapets or guard with a minimum height of 1067mm (42 inch.) in occupiable roof	Within 1 month
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F-13	Egress	Building did not have stair designation signs and occupant load signs at required locations on all floors	Provide stair designation signs and occupant load signs at required locations.	Within 1 month
F- 14	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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 3 months
F- 15	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 accordance with The ACCORD standard. Keep written records on-site.	Within 3 month

F- 16	Egress Lighting	Exit sign not provided at exit.	Illuminated exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
 				
F- 17	Fire Protection	Portable fire extinguisher was not provided on number of floors	Portable fire extinguishers shall be installed throughout all new and existing facilities in accordance with BNBC Part 4 Section 4.10 and NFPA 10.	Within 3 month



F- 18	Inspection Testing and Maintenance of Portable Fire Extinguisher.	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 3 month
F- 19	Fire Protection System (Standpipe)	The building with an occupiable floor greater than 10 m (33 ft) above the finished grade is not protected with an standpipe system.	Provide standpipe system throughout the building in accordance with NFPA 14. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC for review.	Design Review within 2 months and installation within 6 months.

F- 20	Inspection Testing and Maintenance of Fire Protection System (ITM)	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards (After installation).	Within 1 month after installation.
F- 21	Fire Alarm & Detection system	The fire alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Complete the fire alarm installation as per NFPA 72. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC prior installation for review.	Design Review within 2 months and installation within 6 months.



F- 22	Inspection Testing and Maintenance of Fire Alarm and Detection System (ITM)	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. (After Installation)	Within 1 month after installation.
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Table- 2: Findings & Recommendations of Building -B

F- 23	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces 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. Openings of exit enclosures to storage areas shall be provided with rated vestibules with similar ratings.	Within 3 months
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F- 24	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Location: Several areas throughout Building B	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 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m²	Within 3 months
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F-25	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction on several floors.	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.	Within 3 Months
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F-26	Fire Rated Construction	One exit does not discharge directly outside of the building or to a fire rated passageway.	All the exits shall be discharged directly outside of the building or through a minimum 2-hr fire rated passageway.	Within 3 Months
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F-27	Fire Rated Construction	Elevator Shafts is not provided with Fire Rated Construction and opening protection. Shaft opening is in exit stair (East).	In new construction, elevators shall not open into an exit enclosure [Accord Building Standard 6.14.3]. So, rearrange the facility to provide separate enclosure for lifts. If not possible anyway provide a minimum 2-hr fire-rated elevator shaft with listed fire rated lift landing door to separate from each floor level.	4 months
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F- 28	Egress	Egress obstruction has been observed on South Stair. Location : Several Floor	Remove all obstruction/storage from means of egress which shall be maintained continuously free and clear of all obstructions/storage.	Immediately
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F- 29	Egress	Common path of egress travel exceeds 8 m on chemical store Location : Ground Floor.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 8 m (25ft) for Group J (high hazard) occupancies	Within 3 month
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F- 30	Fire Protection System (Standpipe)	The building with an occupiable floor greater than 10 m (33 ft) above the finished grade is not protected with an standpipe system.	Provide standpipe system throughout the building in accordance with NFPA 14. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC for review.	Design Review within 2 months and installation within 6 months.
F- 31	Inspection Testing and Maintenance of Fire Protection System (ITM)	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards (After installation).	Within 1 month after installation.

F- 32	Fire Alarm & Detection system	The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review, modification (if required) shall have to done as per the reviewed design and NFPA-72 . Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design Review within 2 months and installation within 6 months.
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F-33	Inspection Testing and Maintenance of Fire Alarm and Detection System (ITM)	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. (After Installation)	Within 1 month after compliant installation.
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Table-3: Findings & Recommendations of Dyeing Finishing Shed (Building C)

F-34	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Location: Several areas throughout Dyeing Finishing Shed Building C	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 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m²	Within 3 months
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F- 35	Fire Rated Construction	Chemicals were stored inside of temporary shed and beside of utility building in a haphazard condition.	Chemical shall not be stored in a non-rated structure. Chemical shall be stored in a 4-hr fire rated room/building. MSDS shall be maintained for each chemicals.	Within 3 months
 				
F-36	Means of Egress	One exit did not have facility to reach safe place during any emergency. (Beside of ETP).	Provide facility for a safe place during any emergency.	Within 1 month



F-37	Means of Egress	Egress doors and gates with locking features are provided at building exits, exit stairs, along egress routes and exit discharge on all floors. All doors and gates were open and unlocked during inspection.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101 and ACCORD standard 6.8.2.	Immediately
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F-38	Signage	Building did not have occupant load signage at required locations (near all exits).	Provide stair designation signs and occupant load signs at required locations (near all exits).	Within 1 month
F-39	Egress Lighting	Exit signage was not provided along a path of egress. Location: All floors of the building	Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month



F-40	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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 3 months
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F-41	Fire Alarm & Detection system	The fire alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Complete the fire alarm installation as per NFPA 72. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC prior installation for review.	Design Review within 2 months and installation within 6 months.
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F-42	Inspection Testing and Maintenance of Fire Alarm and Detection System (ITM)	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. (After Installation)	Within 1 month after installation.
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