

FIRE SAFETY INSPECTION REPORT

Jamuna Knit Concern

ACCORD ID: 10591

Road # 1, House # 34, Kutubail, Fatullah, Narayanganj-1400

23.644765,90.495215

Other Factories: Patriot Fashion



Inspected by: Md. Rakibul Alam & Nirmal Chandra Sinha

Date: 8 January, 2017



Summery

Jamuna Knit Concern complex was surveyed for fire safety on 8 January, 2017 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.



Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings and penetrations.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. 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 Room on the ground floor used for combustible storage is not separated by a minimum 1-hr fire-rated construction.

Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.

Within 3 months



F-3	Fire Rated Construction	The boiler open on the 1st floor and is not separated by fire-rated construction.	Separate the boiler room by a minimum 1-hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer. If applicable: When located to the exterior of a building, separate the boiler by by a minimum distance of 3m (10 ft).	Within 3 months
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F-4	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair discharge path.	Seal all penetrations and openings in the exit stair discharge to maintain the required 2 hr. fire separation.	Within 3 months
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F-5	Fire Rated Construction	Areas on the 1st floor used for combustible storage open to the factory are not properly defined and/or not within limits.	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45m (8 ft) and maximum area of 23 m² (250 ft²). If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²). Separate the areas of unenclosed combustible storage by a minimum clear distance of 3 m (10 ft).	Within 3 months
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F-6	Fire Rated Construction	Storage rooms at ground floor discharges directly into the exit stair discharge. Basement store also discharges directly into the exit stair discharge.	Openings from exit enclosure to storage rooms 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 store 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 penetrations and openings are located in generator room.	Seal all penetrations and openings in generator room to maintain the required 2 hr. fire separation.	Within 3 months
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F-8	Fire Rated Construction	The exit stairs are not properly separated from the building interior by 2-hr fire rated construction.	The rating of the exterior wall shall be extended 3.05 m (10ft) beyond the ends of the exit stair structures in accordance with Accord standard 6.3.1.3 and 6.14.7.	Within 3 months
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F-9	Fire Rated Construction	Diesel fuel storage was located inside the generator room.	Remove all diesel fuel storage from the generator room and relocate to the exterior such that the diesel fuel storage is at least 10 ft from required egress paths. Or Separate the diesel fuel storage with 2- hr fire rated construction.	Within 3 months
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F-10	Egress	Egress gates on the all floor with locking features are provided at all exits & exit discharge.	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2.	Immediate
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F-11	Egress	Collapsible gates and semi swing type doors provided at the building exits, exit stairs, along egress routes and exit discharge.	Replace all gates, sliding doors and rolling shutters along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-12	Egress	Exits are not remotely located from each other such that a single fire event could compromise both exits.	Provide additional exit(s) to meet ACCORD standard 6.6.6. Or Provide sprinkler protection in accordance with NFPA 13 to meet ACCORD standard 6.6.6. Or Modify exit arrangement to meet ACCORD standard 6.6.6.	Within 6 months
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F-13 Egress

The width of egress
aisles is less than 36-in.

At 1st & 2nd floors.

Aisles shall be provided with
a minimum unobstructed
clear-width of 0.9 m (36 in.).

Within 3
months



F-14	Egress	At the ground floor level only one exit serves the building occupants to discharge outside of the building.	Modify exit stair discharge paths so that each stair can discharge the occupants directly outside the building. Or Provide an additional exit discharge for the building.	Within 6 months
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F-15	Egress	Handrails are not provided on both sides of both exit stairs.	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. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)	Within 3 months
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F-16	Egress	Storage was located in the exit stairs. All floors.	Remove all storage from the exit stairs and egress paths	Immediate
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F-17	Egress	Occupiable roof is not provided with an adequate parapet / guard rail.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.)	Within 3 months
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F-18	Egress	Storage was located in the egress paths and aisles.	Remove all storage from the egress paths and aisles.	Immediate
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F-19	Egress	Building did not have stair designation sign, occupant load sign & floor level signs at required locations.	Provide occupant load sign, stair & floor designation signs at required locations.	Immediately
F-20	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 automatic fire alarm system in accordance with NFPA 72 and ACCORD standards.	Design within 4 months Install within 9 months



F-21	Fire Protection	Inspection, testing and maintenance of the automatic fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the automatic fire alarm system and keep written records on-site, in accordance with NFPA 72.	Within 1 month (after installation)
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F-22	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.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72 and ACCORD standards.	Design within 4 months Install within 9 months
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F-23	Fire Protection	Standpipe system is required for the building, which has an occupiable floor 10 m (33 ft) or more above grade.	Install a new class III standpipe system in accordance with ACCORD standard 5.4 and NFPA 14.	Design within 3 months Install within 6 months
F-24	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 1 month (after installation)



F-25	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 1 month
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F-26	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2 cd/m ² may also be used.	Within 1 month
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F-27	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
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F-28	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in the accordance with ACCORD standards. Keep written records on-site.	Within 3 months
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F-29	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Emergency lights not provided inside exit stairs.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months
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F-30	Egress Lighting	Manual on-off switch is provided for emergency lighting and exit signage units.	Remove manual on/off switches from emergency Lighting & exit signage units to prevent them from being switched off.	Within 1 month
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F-31	Egress Lighting	There were limited florescent tube lights and exit signage that not had an alternate "Emergency Backup Power" for each floor.	Provide emergency backup power for the emergency lightings and exit signage.	Within 3 months
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