

INITIAL FIRE SAFETY INSPECTION REPORT

RAHMAN KNIT GARMENTS LTD

RSC ID: 10533

Hariharpara, Panchabati, Fatullah, Narayangonj

Google co-ordinate: 23.63014,90.48090

Other Factories: None



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Date: 30-Dec-2020

Fire Safety Inspection Report

RAHMAN KNIT GARMENTS LTD

Introduction:

RAHMAN KNIT GARMENTS LTD. complex was surveyed for fire safety on 30/12/2020 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.

General Factory Information

Factory Building name(s):

1. Building 01- Garments(5 Storied RCC + Roof Top Steel Shed).
2. Building 02-Knitting building(3 Storied RCC).
3. Building 03-Dyeing Shed.
4. Building 04-Dyeing Office (3 Storied RCC).
5. Building 05-Stenter Building (2 Storied RCC).
6. Building 06-Yarn Dyeing(2 Storied Steel structure),
7. Building 07-Office building(2 Storied). Factory management has been declared that building 07 is used as an office building present. This building will be demolished within a short period of time.

Findings & Recommendations :

Table 1-4 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: Building 01-Garments building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction. Location: Building 01-Garments	Provide minimum 2-hr fire rated separation enclosure. 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 3 months



F-2	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction at Ground floor & 4th floor of building 01- Garments	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Or,</p> <p>Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 	Within 3 months
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F-3	Fire Rated Construction	Elevator shafts are directly open into the production floor without proper fire separation.	Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the area of the shaft with a 2-hr fire-rated construction barrier.	Within 3 month
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F-4	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 month
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F-5	Fire rated construction	Exit discharge North side is not fire-rated separation due to unprotected opening & workshop. Location: Building 01-Garments	<p>Separate the exit discharge from the workshop and other building spaces by a minimum of 2-hr fire-rated construction. Provide 1.5 -hr fire-rated doors and seal all unprotected openings and penetrations to maintain fire separation.</p> <p>Ensure that the fire doors are self-closing and positive latching and that they are provided with a 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
		37		
F-6	Means of Egress	Headroom for the exit door (pocket gate) were not found as per standard. Location: South side ground floor of building 01-Garments	The minimum headroom shall be 2.03m (6 ft 8 inch)	Within 1 month



F-7	Means of Egress	Obstructions (Water filter, Shoe rack) were located inside of exit stairs on all the floors. Location: Building 01-Garments	Keep egress paths and stairs clear of obstructions/storage.	Within 1 months
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F-8	Means of Egress	Electrical panel boards located on the 3rd floor North exit stairs at building 01-Garments	Remove and relocate electrical panel boards from exit stairs.	Within 1 months
				
F-9	Means of Egress	The common path of egress travel was founded more than 23m in 1st & 3rd-floor building 01-garments.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23m.☐	Within 3 months
				

F-10	Means of Egress	<p>The egress path along the means of egress has been interrupted by obstruction/storage. Location: 1st & 2nd floor of Building 01-Garments</p>	<p>Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).</p>	Immediately
				
F-11	Means of Egress	<p>Egress door serving 50 or more occupants but does not swing in the direction of egress travel. Location: Roof occupancy in Building 01-Garments</p>	<p>Modify the swing direction of egress doors to the direction of egress travel. Doors serving an occupant load of more than 50 shall swing in the direction (out-ward) of egress travel. Landing of stair shall be ensured after modifying the swinging direction of the exit doors.</p>	Within 3months



F-12	Means of Egress	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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F-13	Means of Egress	Egress gates with non-compliant locking features are provided at ground & 2nd floor and roof at building exit stair Location: Building 01-Garments	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately
				
F-14	Means of Egress	Sliding gates are provided of Dining & Prayer at roof. Building 01-Garments	Replace all gates 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



F-15	Means of Egress	The egress path along means of egress has interrupted by obstruction. Location: Roof occupancy in building 01-Garments	Means of egress shall be maintained continuously free and clear of all obstructions.	Within 3 month
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F-16	Means of Egress	Temporary storage used inside of elevator shaft at 2nd floor building 01-Garments	Remove all storage from elevator shaft.	within 1 month
				
F-17	Egress lighting	Exit sign not provided at several exit each floor all level. Location: Building 01-Garments	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 1month



F-18	Egress lighting	<p>Directional signs are not provided where direction of the path of travel to an exit has changed each floor all level. Location : Building 01-Garments</p>	<p>Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.</p>	Within 1 month
F-19	Egress lighting	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Each floor each level of building 01-Garments</p>	<p>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.</p>	Within 3months

F-20	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard. Location: Building 01-Garments	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3months
F-21	Fire Alarm & Detection System (FADS)	The Required Fire Alarm system is not installed in accordance with the ACCORD standard and NFPA-72. Location: Building 01-Garments	Design & Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design Submission 2 months and Installation 4 months.
F-22	Fire Detection System (ITM of FADS)	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 6 months
F-23	Fire Protection System(Standpipe)	The Required Standpipe System is not installed in accordance with the ACCORD standard and NFPA-14, 20, 22 and 24. Location: Building 01-Garments	Design & Installation of Standpipe system should be in accordance with ACCORD standard and NFPA 14, 20, 22 and 24.	Design Submission 2 months and Installation 4 months.
F-24	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per Accord standard.	Inspect, test and maintain the Standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 6 months

F-25	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 3 months
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Table-2: Building 02-Knitting building (3 Storied RCC)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-26	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction due to unprotected opening.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating with 1-hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated materials. 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-27	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction at 1st floor & 2nd floor.	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Or,</p> <p>Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 	Within 3 months
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F-28	Fire Rated Construction	<p>Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas due to unprotected opening. Location: Ground floor building 02-Knitting</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.</p>	Within 3 months
				
F-29	Fire Rated Construction	<p>Exterior exit stair is not properly separated from the building interior. Location: Building 02</p>	<p>Exterior exit stairs shall be separated from the building with a rating requirement of 1 hr. fire rating. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.</p>	Within 3 months



F-30	Means of Egress	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.). Location: building 02-Knitting	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
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F-31	Means of Egress	Middle of the first floor stair premises, a hand wash station(basin) located as a obstacle on the stair way.	Emergency egress needs a continuous and clear pathway, which shall be obstacle free.	Immediately
				
F-32	Means of Egress	The egress path along means of egress has interrupted by obstruction/storage. Location: 1st & 2nd floor of Building 02- Knitting	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Aisles shall be provided with a minimum unobstructed clear- with of 0.9m (36 in).	Immediately



F-33	Means of Egress	Storage was located in the exit stair. Location : Building 02-Knitting	Remove all storage from exit stairs.	Immediately
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F-34	Means of Egress	Egress gates with locking features are provided at ground floor of building 02-Knitting	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately
				
F-35	Means of Egress	Sliding gates are provided at ground floor of building 02-Knitting	Replace all non-compliant gates 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



F-36	Egress lighting	Exit sign not provided at several exit each floor each level this building. Location: Building 02-Knitting	<p>Lighted 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.</p> <p>Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p>	Within 1month
F-37	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed each floor all level. Location : Building 02-Knitting	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month

F-38	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building 02-Knitting	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 3months
F-39	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard. Location: Building 02-Knitting	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
F-40	Fire Alarm & Detection System	The Required Fire Alarm system is not installed in accordance with the ACCORD standard & NFPA-72. Location: Building 2-Knitting	Design & Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design Submission 2 months and Installation 4 months.
F-41	Fire Detection System(ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard. Location: Building 02-Knitting	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 1 month after installation.
F-42	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord standard. Location: Building 02-Knitting	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 1 month.

Table-3: Building 03-Dyeing Shed, Building 04-Dyeing Office, Building 05-Stenter Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-43	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction. Moreover Exit stair enclosures have unprotected openings within 10 feet towards production floor at two stairs at North side & south side of Stenter building 05 Location: Building 05-Stenter	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating with 1- hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated materials. 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-44	Fire Rated Construction	<p>South side Exit stair(s) is discharge inside the ground floor storage area in stenter building. Location: south side of stenter building 05</p>	<p>1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).</p>	Within 3 months
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F-45	Fire Rated Construction	<p>Chemical storage area is not separated by fire-rated construction having non rated door and unsealed penetrations and openings.</p> <p>Location : South side & North side ground floor of stenter building 05</p>	<p>Separate the chemical storage room by 4-hr fire rated construction. Seal all penetrations and protect the openings to maintain the required fire separations. Keep 16-points MSDS of all chemicals in the storage area.</p> <p>** As per BNBC, chemical storage room will be Type-1 construction. Follow section-2.13 and Table 3.2.1 of BNBC-2006 for the guideline</p>	Within 3 months
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F-46	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction at 1st floor & Ground floor of building 05-Stenter building	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Or,</p> <p>Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 	Within 3 months
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F-47	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas . Location: Ground floor stenter building 05	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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F-48	Fire Rated Construction	Boiler room is not properly separated by fire rated construction with exit excess way. Location: West side of stenter building 05	Boiler room shall be separated from other occupancies by a minimum 1-hr (2-hr for high-rise building) fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
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F-49	Fire Rated Construction	<p>The compressor room is not properly separated from west exit and work areas by fire rated construction (unsealed penetrations and openings etc.).Location : west side ground floor of stenter building 05</p>	<p>Compressor room shall be separated from other occupancies by a minimum 1-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location.</p>	Within 3 months
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F-50	Fire Rated Construction	Transformer is not properly separated by fire rated construction with other occupancies/works area due to unprotected openings. Location: ground floor of Dyeing shed & stenter building.	Transformer shall be separated from other occupancies by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Switch gears and transformer bays shall be separately housed with a 2-hr rated wall in between. Seal all penetrations and openings (door, window etc.) should be protected by 1.5-hr fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. OR, Relocate Transformer to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
				

F-51	Fire Rated Construction	Elevator shafts are directly open into production floor without proper fire separation. Location: Building 05-Stenter building.	Ensure minimum 1.0-hr fire rating for the doors of elevator shafts otherwise close the area of the shaft with a 1-hr fire-rated construction barrier.	Within 3 month
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F-52	Fire Rated Construction	Generator was not properly separated by fire rated construction from fabric dyeing (Non rated doors, unsealed penetrations and openings etc.). Location: ground floor fabric dyeing (Building 03)	<p>Generator room shall be separated from the stair by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) shall be protected by 1.5-hr fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location.</p> <p>Or, Relocate Transformer to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.</p>	Within 3months
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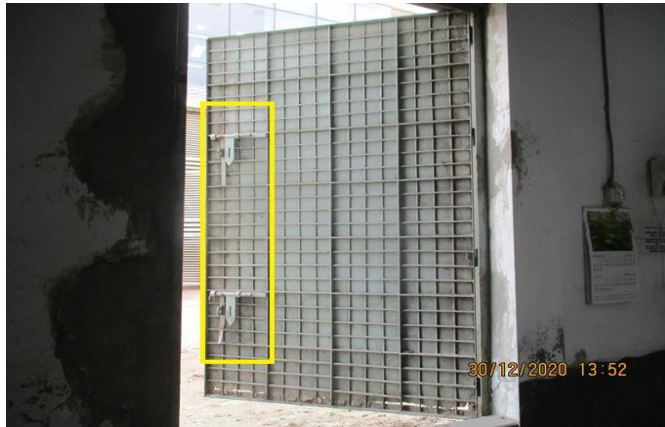
F-53	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction at Ground floor of fabric dyeing. Location: Dyeing shed	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Or,</p> <p>Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 	Within 3 months
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F-54	Means of Egress	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.).Location: Building 05-Stenter	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
				
F-55	Means of Egress	Common path of travel measured more than 23 m for the fabric deying Shed.	Provide another exit to avoid common path of issue or reconfigure the exit arrangement to limit it 23 m.	Within 3 months.



F-56	Means of Egress	Egress gates with locking features are provided at ground floor fabric dyeing & dyeing office.	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately
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F-57	Means of Egress	The egress path along means of egress has interrupted by obstruction. Location: South side exit stair in building 05-Stenter	Means of egress shall be maintained continuously free and clear of all obstructions.	Within 1 month
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F-58	Egress lighting	Exit sign not provided at several exit each floor each level all building. Location: Building 03, Building 04 & Building 05.	Lighted 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-59	Egress lighting	Exit signage not illuminated during testing (burned out, broken, etc.). Location: Dyeing shed.	Regularly inspect all exit signage as per Accord standard and replace/install lights as needed to illuminate signs.	Within 1 month
				
F-60	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed each floor all level. Location : Building 03, Building 04 & Building 05.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month

F-61	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building 03, Building 04 & Building 05	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 3months
F-62	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard. Location: Building 03, Building 04 & Building 05.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3months
F-63	Fire Alarm & Detection System (FADS)	The Required Fire Alarm system is not installed in accordance with the ACCORD standard and NFPA-72. Location: Building 03, Building 04 & Building 05.	Design & Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design Submission 2 months and Installation 4 months.

F-64	Fire Detection System(ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard. Location: Building 03, Building 04 & Building 05	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 6 months
F-65	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord standard. Location: Building 03, Building 04 & Building 05	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 3 months

Table-4: Building 06-Yarn Dyeing (2 Storied-PEB).

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-66	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction. Location : ground floor & first floor of building 06-Yarn dyeing	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Or, Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m ² . Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 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



F-67	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction. Location: North -east exit stair of Building 06-Dyeing building.	The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating with 1- hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated materials. 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
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F-68	Egress lighting	Exit sign not provided at the exit each floor each level. Location: Building 06-Yarn Dyeing.	Lighted 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-69	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed each floor all level. Location : Building 06-Yarn dyeing	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month
F-70	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building 06-Yarn Dyeing	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-71	Egress lighting(ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard. Location: Building 06-Yarn dyeing	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months

F-72	Fire Alarm & Detection System	The Required Fire Alarm system is not installed in accordance with the ACCORD standard & NFPA-72. Location: building -06-Yarn Dyeing	Design & Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design Submission 2 months and Installation 4 months.
F-73	Fire Detection System(ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard. Location: Building 06-Yarn	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 1 month after installation.
F-74	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord standard. Location: Building 06-Yarn Dyeing.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 3 months