

INITIAL FIRE SAFETY INSPECTION REPORT

RIB LINE LTD New Location

RSC ID: 26590

Geographical Coordinates: 23.617726963561722, 90.47832757699176

Address: Holding No-332, Enayetnagar, Fatullah.

Other Factories: None



Inspected By: Md. Kawsar Rubaiat

Date: 03-March-2026

Fire Safety Inspection Report

RIB LINE LTD New Location

Introduction:

RIB LINE LTD New Location complex was surveyed for fire safety on **03-Mar-2026** 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 RSC. 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.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The RSC cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

General Factory Information

Structures covered under this RSC ID-26590 are as follows:

SL No	Building Name	Building Construction Period	Approval Date & Authority	Occupied	Structure type	Construction Category
1	Garments Building: G+9 Storied with UG Fire Pump Room Total Floor Area: 1,42,893 Sq. ft	Mar-2023 to Apr-2025	Approval Invalid [See Note]	May-2025	RCC	New
2	Utility Building: G+5 Storied Total Floor Area: 14,634 Sq. ft	Mar-2023 to Apr-2025	Approval Invalid [See Note]	May-2025	RCC	New
3	Utility Shed: Single-Storied Shed Total Floor Area: 280 Sq. ft	Nov-2025 to Dec-2025	No Approval	Feb-2026	Steel	New
4	LPG Store Shed: Single-Storied Shed Total Floor Area: 60 Sq. ft	Sep 2025 to Nov-2025	No Approval	Dec-2025	Steel	New

Factory Address: Holding No-332, Enayetnagar, Fatullah.

Note: According to the provided local authority approval document, the building approval date is from **Rajuk, Dhaka, on December 31, 2003**. However, the approval is invalid as per **BNBC 2006, Chapter 3, Clause 3.2.7**. Hence, **A NEW APPROVAL shall be required**.

Findings & Recommendations :

Table-1 & 2 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 review.

Table-1: Garments Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction Location(s): Garments Building Non-compliance: Fire doors are not properly functional, fire doors held open with external objects, unprotected openings on the top floor, etc.	The exit stair enclosure shall be provided with a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for buildings with 4 or more stories in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0. 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. Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification. The clearance under the bottom of a door shall be a maximum of 3/4 in. (19 mm).	Within 3 Months



F-02

Means of Egress

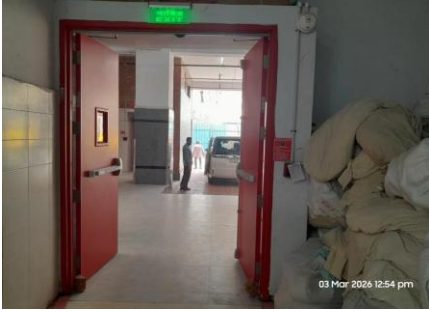
Aisles were found missing in several locations throughout the building.

Location(s): 9th floor (Garments Building).

Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.

Within 1 Month



F-03	Means of Egress	Fire evacuation maps are not updated as per site conditions. Location(s): Garments Building.	Update the fire evacuation map and shall be posted at the entrance to each exit stair in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 13.3.	Within 1 Month
F-04	Means of Egress	Exit stair(s) terminate the occupants inside the building, which do not comply with section 6.17 of RSC Technical Guidelines (Standard)¹ V1.0 due to non-functional fire doors of the storage areas, car parking, etc. Location: Ground floor(Garments Building).	Exits shall discharge directly to the exterior of the building unless meeting the requirements of 6.17.2 or 6.17.3 as per RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months
  				

F-05	Means of Egress	Exit stairs serve more than 5 stories and do not have the required reentry provisions on all floors. Location(s): Garments Building.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (Standard)¹ V1.0. Section 6.8.3.1.	Within 3 Months
F-06	Means of Egress	Directional signs are not provided where direction of the path of travel to an exit has changed. Location(s): 1st floor, 6th floor, 9th floor, etc. (Garments Building).	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 in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.3.	Within 1 Month
 				

F-07	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): GF, 8th floor, etc. (Garments Building). 2nd, 3rd, 4th, 5th floors; Utility Building.	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. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.	Within 3 Months
				

F-08	Means of Egress	The egress court serving the south exit is less than 10 ft wide and is not separated from the building interior, which is not in accordance with section 6.17.2 of RSC Technical Guidelines (Standard)¹ V1.0 due to openings & electrical appliances. Location(s): South Exit, Garments Building	Egress courts less than 3050 mm (10 ft) in width (as measured from the building and the adjacent property line) shall be provided with walls having a 1-hr fire resistance rated construction for a distance of 3050 mm (10 ft) above the floor of the court. Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft. to provide a minimum 1-hr fire separation.	Within 3 Months
				

F-09	Means of Egress	Handrails height is not as per the requirement (available: 30 inches). Location(s): All stairs, Garments Building.	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.). Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Handrail shall be constructed in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.	Within 3 Months
				

F-10	Means of Egress	Parapets height is not as per the requirement (available: 38 inches) on the occupiable roof. Location(s): Garments Building.	Provide parapets or guards with a minimum height of 1067mm (42 inch.) in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.	Within 3 Months
				

F-11	Means of Egress	Building does not have updated occupant load signs at the required locations. Location(s): Garments Building.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4.	Within 1 Month
F-12	Means of Egress	Some lighted exit signs were two-sided, so that they indicated an exit where there were none. Location(s): Office areas (Garments Building).	Ensure that lighted exit signs are only visible from the side that directs people toward an exit path.	Within 1 Month
 				

F-13	Means of Egress	Building does not have stair/floor level designation signs at the required locations on all floors. Location(s): Garments Building.	Provide stair designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9.3.	Within 1 Month
F-14	Means of Egress	Minimum ceiling height of the production floor is less than 3.3 meters for the New Building (available height: 9 ft 11 inches) Location(s): Garments Building.	The ceiling height of a production floor shall not be less than 3.3 meter as per article 1.2, chapter 1, part III and article 2.11, Part III, Chapter -2, BNBC 2020.	Within 3 Months
 				

F-15	Fire Rated Construction	The day-care room is not separated from Storage areas due to non-functional fire doors. Location(s): Garments Building.	Separate the day-care from other occupancy as per Table 3.2.1 (BNBC 2020).	Within 3 Months
 				

F-16	Fire Rated Construction	A non-rated connecting corridor has been constructed between two buildings, which is not fire-separated from the adjacent building. Location(s): Between Utility & Garments Building.	Separate the buildings with a minimum 2-hour fire-rated construction on both sides of the connecting corridor. Opening protection extending up to 10 feet beyond the connecting corridor shall meet section 4.6 of RSC Technical Guidelines (Standard)¹ V1.0.	Within 3 Months
				

F-17	Fire Rated Construction	Unprotected openings in the exterior wall on two consecutive floors lying within 1.5 m, and the vertical spread of fire is not restricted. Location(s): Garments Building.	Provide flame barriers as similar as sunshades or cornices, or projected wall at least 750 mm from the external face of the exterior wall. The flame barrier shall have a fire resistance rating of not less than three-fourths hour. For new building, BNBC 2020 Part III chapter 3 clause 3.1.9.2	Within 6 Months
				

F-18	Fire Rated Construction	Elevator shafts open directly into the exit enclosure, which doesn't comply with RSC Technical Guidelines (Standard), section 6.14.3, due to non-functional fire doors and fire doors held open with external objects. Location(s): Ground floor, Garments Building.	Provide a minimum 2-hr fire rated elevator shaft to separate it from stair enclosure. No discharge is accepted through elevator shaft. Seal all openings to maintain fire separations.	Within 3 Months
				

F-19	Fire rated construction	It was observed that Elevator shafts open directly into the production floor without proper fire separation due to non-functional fire doors and fire doors held open with external objects. Location(s): Garments Building.	Elevator shaft shall be separated from the production area by 2 hours of fire-rated construction. 2-hr fire barriers shall be protected with minimum 1.5-hr fire protective opening assemblies.	Within 3 Months
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F-20	Fire rated construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy. Location(s): 1st, 2nd & 3rd floors, etc. (Garments Building).	Provide defined storage areas and limit the storage arrangement as follows: Maximum height of 2.45 m and maximum area of 23 m² and is separated by a minimum 3.0 m (10ft) from other storage areas and they do not exceed 10 percent of the building area of the story in which they occur. or, If sprinkler protected, Maximum height 12 ft (3.66 m) and maximum area of 1000 ft² (93 m²) and separated by at least 25 ft (7.62 m) and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater. or, Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 Months
				

F-21	Fire rated construction	Rooms used for storage are not separated from the surrounding fabric inspection area. Location(s): Ground floor, 8th floor, etc. (Garments Building). 4th floor, Westage Godown (Utility Building), due to enclosed connecting corridor with non-rated openings.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).	Within 3 Months
  				

F-22	Fire rated construction	Storages were found underneath the cutting tables. Location(s): 2nd floor, 7th floor, etc. (Garments Building).	Storage underneath the cutting tables shall be kept clear of combustibles at all time, except as provided for miscellaneous storage in accordance with 3.4.2.1.6 or , Where an automatic sprinkler system is installed sprinklers are required to be installed beneath cutting tables greater than 4 ft in width that are used for storage of combustibles.	Within 3 Months
				

F-23	Fire Rated Construction	Penetrations through floor/ceiling & wall assemblies are found unsealed. Location(s): BBT on all floors (Garments Building). Non-compliance reason: 1. Unsealed Penetrations, 2. Installed Fire door is not properly functional. 3. Openings exceeding 144 sq in.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain a minimum 3-hr. fire resistance rating. Installation shall be as per the manufacturer's published installation guidelines and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hour fire-rated shaft to separate the penetration from each floor, if required. Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification. Or, Floor penetrations for electrical busbar, cable, metal plumbing pipes, etc., can be protected by concrete, grout, or mortar installed to the full thickness of the floor, if the penetration area is within 144 sq. inches.	Within 3 Months
				

F-24	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed due to plastic pipes. Location(s): All floors (Garments Building).	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain minimum 3-hr./ 2-hr. fire resistance rating. Installation shall be as per manufacturer published installation guideline and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hr fire rated shaft to separate the penetration from each floor if required.	Within 3 Months
				

F-25	Fire Rated Construction	The dining area (I4) is located on the same floor as the store, which is not permitted in accordance with BNBC 2020. Location(s): 9th floor, (Garments Building).	Remove the storeroom or relocate the dining area to ensure compliance with BNBC 2020.	Within 3 Months
 				

F-26	Fire Rated Construction	The dining area is not separated from the office area in accordance with BNBC 2020. Location(s): 9th floor, (Garments Building).	Separate the dining area from the office occupancy (E1) with 3-hr fire-rated construction, provide minimum 3-hr. rated doors for the openings, and seal the unprotected penetrations as per BNBC 2020, Table 3.2.1. Provide required exits that lead directly to the street or exit stairwell, or leading to a corridor or open space.	Within 3 Months
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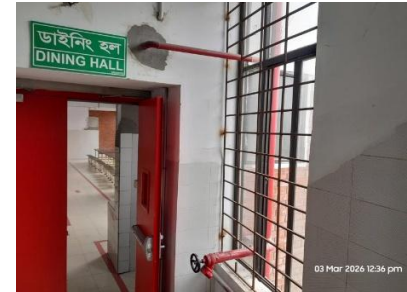
F-27	Fire Rated Construction	The required fire separation distance for the Garments Building does not comply with the requirements of BNBC 2020. Location(s): Garments Building.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.	Within 6 Months
				

F-28	Fire Suppression System (SUPS)	The highest occupied floor of the main building is over 75 feet above grade, mandating a sprinkler system along with a class I standpipe. Sprinkler also installed in lieu of addressable smoke and/or heat detectors. The factory has installed a sprinkler system with a class I standpipe, requiring a detailed review to ensure compliance with NFPA 13, 14, 20, 22, and 24 and RSC Technical Guidelines (Standard). Location(s): Garments Building.	Submit the fire Suppression System (standpipe and sprinkler) design to RSC for review. Once the design is reviewed, install and modify the fire Suppression System throughout the building in accordance with review comments, RSC Technical Guidelines (Standard), and NFPA 13, 14, 20, 22 and 24. After installation, the owner shall conduct internal testing and commissioning, and then contact the RSC for witness of final acceptance testing.	Design within 2 Month and modification/ installation with 4 Months
				

F-29	Fire Suppression System (SUPS)	Fire pump installation requires a detailed review to confirm compliance with NFPA 20 and RSC Technical Guidelines (Standard)¹ V1.0. Location(s): All Buildings.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard)¹ V1.0. and NFPA 14 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design within 2 Month and modification/ installation with 4 Months
				

Table-2: Utility Building & Others

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-30	Means of Egress	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction. Unprotected openings were observed in the North Stair at an angle of less than 180 degrees (3.14 rad). Location(s): Utility Building. Non-compliance: Fire doors are not properly functional, fire doors held open with external objects, unprotected openings, etc.	The exit stair enclosure shall be provided with a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for buildings with 4 or more stories in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer. 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. Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification. The clearance under the bottom of a door shall be a maximum of 3/4 in. (19 mm).	Within 3 Months



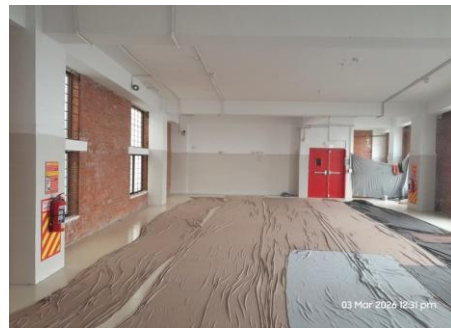
F-31	Means of Egress	Aisles were found missing in several locations throughout the building. Location(s): 1st floor, 4th floor, etc. (Utility Building).	Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.	Within 1 Month
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F-32	Means of Egress	Storage area discharges directly into the exit stair enclosure. Location(s): 4th floor (Wastage Godown); Utility Building.	Openings from exit enclosure to Storage areas shall be provided with a vestibule with fire-rated construction and openings in accordance with section 6.14.3 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a min 1-hr fire-rated door on the exit stair side and a 1.5 hr. fire-rated door on the Store, generator, sub-station room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure as per RSC Technical Guidelines (Standard)¹ V1.0. section 6.14.3. The minimum width for vestibules shall not be less than 1.1m, and the length shall be 1.8m.	Within 3 Months
				

F-33	Means of Egress	Fire evacuation maps are not updated as per site condition. Location(s): All floors (Utility Building).	Update the fire evacuation map and shall be posted at the entrance to each exit stair in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 13.3.	Within 1 Month
F-34	Means of Egress	Stair clear width was found less than 60 in. Location: North Stair: 51 inches; South Stair: 50 inches; Utility Building.	Stairs shall have a minimum clear width of 60 in. for all industrial occupancies as per RSC Technical Guideline (Standard) section 6.5.6.	Within 3 Months
  				

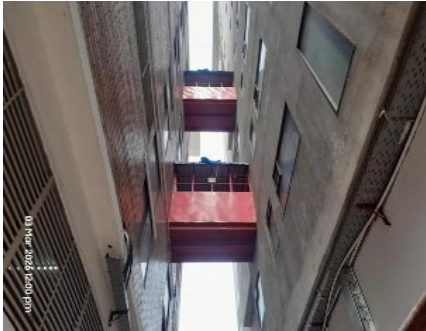
F-35	Means of Egress	Exit sign not provided at exit. Location(s): Ground floor, Utility Building.	Lighted exit signs shall be placed at entrance to an exit. Additional directional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated at all times. Exit Sign shall provide in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.	Within 1 Month
				

F-36	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location(s): All floors, Utility Building.	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. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.	Within 3 Months
  				

F-37	Means of Egress	Handrails height is not as per the requirements. Location(s): All stairs, Utility Building. North Stair: 30 inches. South Stair: 32 inches.	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.). Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Handrail shall be constructed in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.	Within 3 Months
				

F-38	Means of Egress	Exit stairs serve more than 5 stories and do not have the required reentry provisions on all floors. Location(s): Utility Building.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (Standard) ¹ V1.0. Section 6.8.3.1.	Within 3 Months
F-39	Means of Egress	Building does not have updated occupant load signs at the required locations. Location(s): Utility Building.	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.4.4.	Within 1 Month
F-40	Means of Egress	Building does not have stair/floor level designation signs at the required locations on all floors. Location(s): Utility Building.	Provide stair designation sign at each floor entrance from the stair to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door in accordance with RSC Technical Guidelines (Standard) ¹ V1.0 Section 6.9.3.	Within 1 Month

F-41	Means of Egress	Parapets height is not as per the requirement (available: 36 inches) on the occupiable roof. Location(s): Utility Building.	Provide parapets or guards with a minimum height of 1067mm (42 inch.) in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.	Within 3 Months
 				

F-42	Fire Rated Construction	Generator, Boiler & Transformer rooms (Utility Portion) are not properly separated by fire-rated construction from the Garment Building within 10 ft spatial distance. Location(s): Ground floor, Utility Building.	Separate the utility block (generator, boiler, compressor & transformer rooms) from other occupancies by a minimum 2-hr fire-rated construction (wall, floor, slab, etc.). Seal all penetrations and openings (door, window, etc.), which 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 Maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 Months
 				

F-43	Fire Rated Construction	Compressor room is not properly separated by fire-rated construction from the Garment Building within 10 ft spatial distance. Location(s): 1st floor, Utility Building.	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. Or Maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 Months
				

F-44	Fire Rated Construction	Unprotected openings in the exterior wall on two consecutive floors lying within 1.5 m, and the vertical spread of fire is not restricted. Location(s): Utility Building.	Provide flame barriers as similar as sunshades or cornices, or projected wall at least 750 mm from the external face of the exterior wall. The flame barrier shall have a fire resistance rating of not less than three-fourths hour. For new building, BNBC 2020 Part III chapter 3 clause 3.1.9.2.	Within 6 Months
				

F-45	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed due to unsealed Cable riser penetrations and non-functional fire doors in the DB rooms. Location(s): Utility Building.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain a minimum 3-hr. fire resistance rating. Installation shall be as per the manufacturer's published installation guidelines and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hour fire-rated shaft to separate the penetration from each floor, if required. Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification.	Within 3 Months
				

F-46	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed due to plastic pipes. Location(s): Utility Building.	Seal all penetrations and openings in floor/ceiling assemblies by a listed through-penetration fire stop system tested in accordance with ASTM E814 or approved alternative standard to maintain minimum 3-hr./ 2-hr. fire resistance rating. Installation shall be as per manufacturer published installation guideline and the certification authority guideline to ensure the fire-rating in accordance with section 4.7 of RSC Technical Guideline (Standard) Or, Provide a minimum 2-hr fire rated shaft to separate the penetration from each floor if required.	Within 3 Months
				

F-47	Fire Rated Construction	The required fire separation distance for the Utility Building does not comply with the requirements of BNBC 2020. Location(s): Utility Building. Note: Main occupancy is assembly on this building.	The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2020 Part 3 Table 3.2.2 & 3.2.3 and BNBC 2020 Part 3 Section 2.4.1.3.	Within 6 Months
				

F-48	Fire Rated Construction	Liquefied or compressed gas cylinders were located within the factory, without adequate fire separation. Location(s): LPG store van & LPG store shed.	Remove the liquefied or compressed flammable gas cylinders. The storage or use of liquefied or compressed flammable gas (LPG/CNG) cylinders within the factory building as per section 3.4.2.1.11 of RSC Technical Guidelines (Standard)¹ V1.0. Or, Factory shall follow the requirements RSC Published "SUPPLEMENTARY PAPER ON TECHNICAL GUIDANCE NOTE FOR USE OF LIQUIFIED OR COMPRESSED FLAMMABLE GAS IN FACTORY PREMISES" to use or store liquefied or compressed flammable gas cylinders in the factory premises.	Within 1 Month
				

F-49	Fire Suppression System (SUPS)	The factory has installed a standpipe & Hose system that requires a detailed review to confirm compliance with NFPA 14,20, 24 and RSC Technical Guidelines (Standard). Location(s): Utility Building.	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with RSC Technical Guidelines (Standard)¹ V1.0. and NFPA 14, 20,22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the standpipe system.	Design within 2 Month and modification/ installation with 4 Months
				

F-50	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance of the sprinkler, standpipe & fire pump system is not in accordance with NFPA 25. Location(s): All Buildings.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and RSC Technical Guidelines (Standard)¹ V1.0.	Within 1 Month after installation.
F-51	Fire Alarm & Detection System (FADS)	The factory has installed a fire alarm and detection system that requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard). Location(s): All Buildings.	Submit the fire alarm and detection system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the building in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 72. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design within 2 month and modification/ installation with 4 months
 				

F-52	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance for the fire alarm system are 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 and RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month after installation.
F-53	Inspection, Testing & Maintenance (Fire)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10. Location(s): All Buildings.	Inspect, test and maintain the portable fire extinguishers and keep written records on-site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard) ¹ V1.0.	Within 1 Month
F-54	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with the RSC Technical Guidelines (Standard) ¹ V1.0. Location(s): All Buildings.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard) ¹ V1.0. Keep written records on-site.	Within 1 Month

F-55	Inspection, Testing & Maintenance (Fire)	Written housekeeping policy was not found, which is required as per RSC Technical Guideline (Standard) section 13.6. Location(s): All Buildings.	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	Within 1 Month
F-56	Inspection, Testing & Maintenance (Fire)	The Building approval from appropriate authority are not available on-site for any Building.	Get all the required licenses and permits from the proper issuing authority and keep it at site.	Within 1 Month