

INITIAL FIRE SAFETY INSPECTION REPORT

Sadma Fashion Wear Ltd. (Extension 2)

RSC ID: 24729

Address: Mouchak, Kaliakoir, Gazipur

Geographical Coordinates : 24.022374009, 90.288600903

Other Factories:

1. Sadma Fashion Wear Ltd. (RSC ID: 9458)
2. Sadma Fashion Wear Ltd (Extension) (RSC ID: 24229)



Inspected By: A N Faisal Ahmed & Md. Kawsar Rubaiat

Date: 01-Oct-2024

Fire Safety Inspection Report

Sadma Fashion Wear Ltd. (Extension 2)

Introduction:

Sadma Fashion Wear Ltd. (Extension 2) complex was surveyed for fire safety on **01-October-2024** 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

SI No	Building Name & Description	Construction History	Period
1	Building-1: New Dyeing Building 3-storied with a basement RCC Production building (B+G+2) [Proposed 5-storied (B+G+4)] Total Approx Area: 255,642 Sq. ft (401,245 Sq. ft Proposed)	Construction Start: Feb 2019 Construction End: Dec 2022 Date of first Operation: Mar 2023 Building Approval: On 07-Jun-2021 from PWD, Gazipur	Interim
2	Building-2: New Utility building 4-storied RCC building (G+3) Total Approx Area: 16, 792 Sq. ft	Construction Start: Nov 2021 Construction End: May 2023 Date of first Operation: June 2023 Building Approval: On 07-Jun-2021 from PWD, Gazipur	New
3	Building-3: Warehouse Building 3-storied RCC Warehouse Chemical Building (G+2) [Proposed 6-storied (G+5)] Total Approx Area: 16, 651 Sq. ft (Proposed 34, 173 sq ft)	Construction Start: Apr 2022 Construction End: Mar 2024 Date of first Operation: Jul 2024 Building Approval: No Building Approval has been found	New
4	Shed-1: Thermo Oil-Heater Shed Single Storied Steel Shed Total Approx Area: 1884 Sq. ft	Construction Start: Apr 2022 Construction End: Feb 2023 Date of first Operation: May 2024 Building Approval: No Building Approval has been found	New
5	Shed-2: Finished Storage Shed (Old Dyeing Finishing Shed) Single Storied Steel Shed (G+M) Total Approx Area: 27,448 Sq. ft	Construction Start: Dec 2012 Construction End: June 2013 Date of first Operation: June 2013 Building Approval: No Building Approval has been found	Existing

Factory Address: Mouchak, Kaliakoir, Gazipur

Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.

An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for approval.

Table-1: For Building# 1

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Means of Egress	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings, penetrations & fire doors forcefully open with external objects. Electrical cable raceway is located on stair enclosure. Location: Building-1: all floors.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr. fire-rated construction. Provide a 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. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (standard) 6.8.3.1. Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure.	Within 3 months



F-2	Means of Egress	The exterior exit ramps are not separated from the building exterior openings which are located within 10 ft . Location: Building-1	The unprotected opening for any side of the exterior walls shall be sealed or protected by minimum 1 hr. fire rated materials so that the protected diagonal distance not being less than 10ft from exterior exit ramp beyond the ends of the ramp.	Within 3 months
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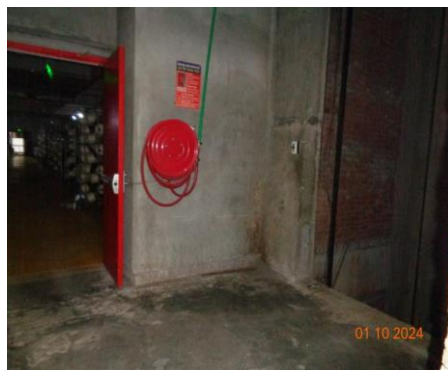


F-3	Fire Rated Construction	Rooms used for combustible storage are not separated by fire-rated construction from other occupancy. Locations: 1st floor Grey store, Ground floor Mezzanine & Basement (Building-1)	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. However, separated areas shall ensure required means of egress as per RSC Technical Guidelines.	Within 3 months
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F-4	Fire Rated Construction	Areas used for in-process storage open to the factory are not separated by fire-rated construction Location: Ground floor & 1st floor. (Building-1)	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 1-hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) , maximum area of 23m2 (250 ft2) and 3m (10ft.) clear distance from adjacent another unenclosed combustible storage. - If the building/floor is sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m2 (1000 ft2). - In-process storage shall not exceeds 10 percent of floor or compartment area.	Within 3 months
 				

F-5	Fire Rated Construction	Elevator shafts are directly open into exit enclosures & floor areas which is a violation of RSC Technical Guidelines (Standard)-6.14.3. Location: All floors. (Building-1)	Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the shafts area with 2-hr fire rated construction barrier and 1.5-hr fire rated opening protective as per RSC Building Standard 6.14.3. Factory is recommended to follow RSC published "SUPPLEMENTARY PAPER ON REMEDIATION GUIDANCE ELEVATOR OR LIFT SHAFT OPENING IN EXIT ENCLOSURES" for different solutions.	Within 3 months
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F-6	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies. Locations: BBT Penetrations on all floors, Expansion joints on all floors, Sanitary Pipes, Punched hole penetration for production usage on the 1st floor. (Building-1)	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's guideline. or, Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required. (Type-1 Construction). Factory shall ensure that, all the design, datasheet, certificate, and proposed drawing of installation has been reviewed from the RSC prior to install the passive fire protection system (If required).	Within 3 months
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F-7	Fire Rated Construction	The basement utility pump room is not separated by fire-rated construction from ground floor area. Location: Basement. (Building-1)	Provide pump room with 2-hr rated fire separation from the ground floor.	Within 3 months
 				

F-8	Fire Rated Construction	Unprotected openings in the exterior wall on two consecutive floors lying within 1.5 m and vertical spread of fire is not restricted. Locations: Building-1	Provide flame barriers similar to sunshades or cornices or projected walls 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 an hour. For Interim Building, BNBC 2006 Part III Chapter 3 clause 3.1.7.2	Within 3 months
				

F-9	Means of Egress	Both exit stairs from the basement storage area do not discharge to the outside of the building, rather internally discharge through the ground floor production area. Location: Basement. (Building-1)	Provide 2-hr fire-rated egress court leading directly outside of the building.	Within 3 months
 				

F-10	Means of Egress	Basement warehouse has two exits and the common path of travel exceeds 100 ft. Location: Building-1 Basement.	Modify the exit arrangements or provide additional exits to meet RSC Technical Guidelines (Standard) regarding the common path of egress travel for Group H (storage) occupancies with not more than 30 occupants & shall not exceed 30 m (100 ft).	Within 3 months
F-11	Means of Egress	Falling hazards were identified from the staircases on accessible rooftops and several lift openings located at stair enclosures & floor areas of Building-1, which are located on extremely high altitude. Location: Building-1.	Stairways serving as means of escape or use for operational purpose or open shaft shall have continuous guards and handrails on both sides. Guards shall have a minimum height of 1067 mm (42 in.). Open guards shall have intermediate rails or patterns such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Or, alternatively completely restrict the access to shaft or roof of the building through masonry construction.	Immediate
				

F-12	Means of Egress	Parapets are not provided on the accessible roof. Location: Building-1.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067mm (42 in.). Parapets that are constructed on rated exterior construction shall be of the same rating as the exterior wall rating in accordance with BNBC.	Within 1 month
				
F-13	Means of Egress	No guard rail was provided for exit stairs & exit ramps. Location: Building-1	Provide handrails on both sides of the exit stair & ramp. 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	Within 1 month

				
F-14	Means of Egress	The exterior handrails on the stair enclosure lack sufficient structural strength, posing a potential falling hazard during emergency evacuations. Location: Building-1.	All hand rails and grab bars in an accessible facility shall be designed and built to resist a force with standard structural strength, where force may applied vertically or horizontally.	Within 1 month
				

F-15	Means of Egress	Storage/obstruction was located in the exit stair & egress routes on several floors. Location: Building-1.	Remove storage/obstruction from the exit stairs & egress routes.	Immediate
				
F-16	Means of Egress	Aisle marking has not been marked properly. Location: Building-1.	Aisles mark shall be provided at required places with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months



F-17	Means of Egress	Stair width was found less than 1.5m (60 inches) (Stair-01). Location: Building-1.	Stairs shall have a minimum clear width of 1.5 m (60 in.) for all industrial occupancies	Within 3 months
F-18	Inspection, Testing & Maintenance (Fire)	Hot work (welding, cutting, Grinding) has been observed on 3rd floor, hot work policy was not being maintained properly. No adequate safety precautions has been taken where heavy fire load (Fabric warehouse) is located just adjacent to hot work. Location: Building-1.	A hot-work permit system in accordance with NFPA 51B shall be provided for any construction in an occupied facility & shall maintain properly. A fire watch personnel shall be assigned during hot work.	Within 1 month



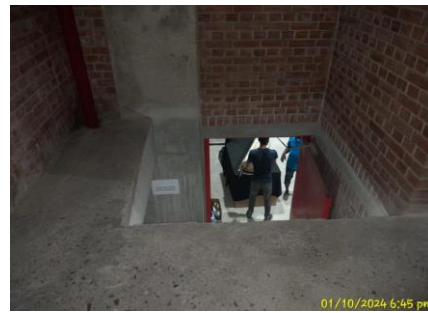
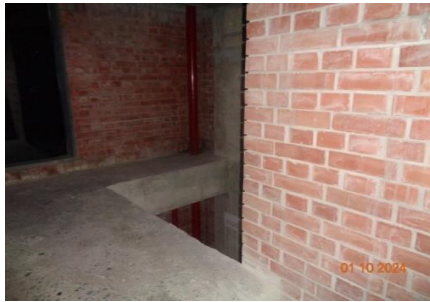
F-19	Means of Egress	Stairway treads are not uniform & abrupt changes in elevation exceed 1/4 inch which may lead to a tripping hazard during an emergency. Change in level was also observed on stair discharge from mezzanine & ground floor occupants. Location: Building-1.	Remove the obstructions and Provide an even level walking surface in exit discharge in accordance with 6.3.4 of RSC Technical Guidelines (Standard_V1.0). Provide adequate number of steps to mitigate tripping hazard where changes in level observed on exit discharge.	Within 1 month
  				

F-20	Means of Egress	Multiple stairs discharge though ramps where slope are not maintained 8 percent. Location: Building-1.	Modify the ramps to maintain slop within 8 percent. New ramps shall not have a running slope greater than 1 in 12 (8 percent).	Within 3 months
				

Table-2: For Building-2: New Utility building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-21	Means of Egress	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings, penetrations & fire doors forcefully open with external objects. Electrical cable raceway is located on stair enclosure. Location: Building-2	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr. fire-rated construction. Provide a 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. Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure.	Within 3 months
  				

F- 22	Fire Rated Construction	The ground floor generator room is not separated by fire-rated construction from 1st floor control room areas. Location: Building-2	Provide 2-hr rated fire separation from the ground floor to 1st floor.	Within 3 months
 				
F-23	Means of Egress	Falling hazard has been identified on the 3rd floor, stair-1. Location: Building-2, Stair-1	Stairways serving as means of escape or use for operational purpose or open shaft shall have continuous guards and handrails on all sides. Guards shall have a minimum height of 1067 mm (42 in.). Open guards shall have intermediate rails or patterns such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.).	Immediate



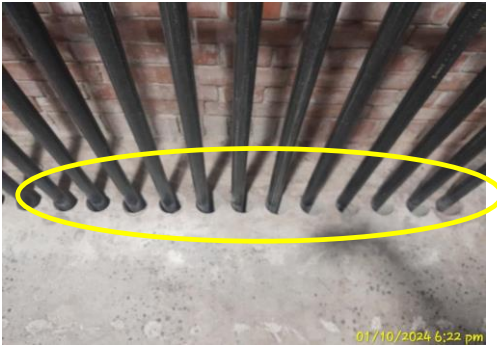
F-24	Means of Egress	Parapet height on the accessible roofs was less than 42 inches. (39 inches available) Location: Building-2.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067mm (42 in.). Parapets that are constructed on rated exterior construction shall be of the same rating as the exterior wall rating in accordance with BNBC.	Within 1 month
 				

F-25	Means of Egress	Storage/obstruction was located in the exit stair & egress routes on several floors. Location: Building-2	Remove storage/obstruction from the exit stairs & egress routes.	Immediate
				
F-26	Means of Egress	Aisles have not been marked properly. Location: Building-2.	Aisles mark shall be provided at required places with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months

 				
F-27	Means of Egress	Handrails are not provided on both sides of the exit stairs on all floors & handrail height was 32 inches. Location: Building-2.	Provide handrails on both sides of the exit stair & ramp. 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	Within 1 month
 				

Table-3: For Building-3: Warehouse Building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-28	Means of Egress	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings, penetrations from the auto dosing area & fire doors forcefully open with external objects. Electrical cable raceway is located on stair enclosure. Location: Building-3	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr. fire-rated construction. Provide a 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. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC Technical Guidelines (standard) 6.8.3.1. Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure.	Within 3 months
				

F-29	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies due to Dosing pipe penetrations on all floors, electrical cable penetrations, & other vertical penetrations. Locations: Building-3	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's guideline. or, Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required. (Type-1 Construction). Factory shall ensure that, all the design, datasheet, certificate, and proposed drawing of installation has been reviewed from the RSC prior to install the passive fire protection system (If required).	Within 3 months
  				

F-30	Means of egress	Chemical warehouse rooms discharge directly into both exit stairs on all floors without vestibule arrangement which doesn't meet RSC Technical Guidelines clause 6.14.3 Location: Building-3	Openings from exit enclosure to storage 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 storage and machine room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure. The minimum width for vestibules shall not be less than 1.1m and length 1.8m.	Within 3 months
 				

F-31	Fire Rated Construction	Elevator are under installation and elevator shafts are directly open into exit stair enclosures which is a violation of RSC Technical Guidelines (Standard)-6.14.3. Location: Building-3 (South Stair)	Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the shafts area with 2-hr fire rated construction barrier and 1.5-hr fire rated opening protective as per RSC Building Standard 6.14.3. Factory is recommended to follow RSC published "SUPPLEMENTARY PAPER ON REMEDIATION GUIDANCE ELEVATOR OR LIFT SHAFT OPENING IN EXIT ENCLOSURES" for different solutions.	Within 3 months
 				

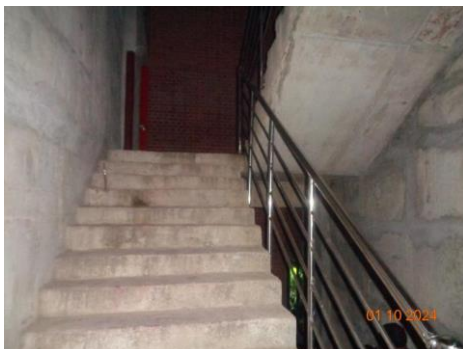
F-32	Means of Egress	The exit discharge path from stair-2 (South stair) is not separated from the adjacent auto chemical dosing area. Location: Building-3	An egress court serving as a portion of the exit discharge shall be open to the sky or provided with a fire-resistance-rated enclosure the same as the exit enclosure. 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.	Within 3 months
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F-33	Means of Egress	Parapets are not provided on the accessible roof. Location: Building-3.	All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067mm (42 in.). Parapets that are constructed on rated exterior construction shall be of the same rating as the exterior wall rating in accordance with BNBC.	Within 1 month
 				

F-34	Means of Egress	Storage/obstruction was located in the exit stair & egress routes on several floors. Location: Building-3	Remove storage/obstruction from the exit stairs & egress routes.	Immediate
 				

F-35	Means of Egress	Aisles have not been marked properly. Location: Building-3.	Aisles mark shall be provided at required places with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months
 				
F-36	Means of Egress	Stair width was found less than 1.5m (60 inches). Location: Building-3.	Stairs shall have a minimum clear width of 1.5 m (60 in.) for all industrial occupancies	Within 3 months

F-37	Means of Egress	Stairway treads are not uniform & abrupt changes in elevation exceed 1/4 inch which may lead to a tripping hazard during an emergency. Change in level was also observed on stair discharge from mezzanine & ground floor occupants. Location: Building-3.	Remove the obstructions and Provide an even level walking surface in exit discharge in accordance with 6.3.4 of RSC Technical Guidelines (Standard_V1.0). Provide adequate number of steps to mitigate tripping hazard where changes in level observed on exit discharge.	Within 3 months
 				

F-38	Means of Egress	Handrails are not provided on both sides of the exit stairs on all floors & handrail height was 32 inches on stair-1. Location: Building-3.	Provide handrails on both sides of the exit stair & ramp. 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	Within 1 month
 				

Table-4: For Shed 01, shed - 02 & common findings

Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-39	Fire Rated Construction	A factory named as Mouchak Knit is located on north side of shed -02 and both building are not fire separated. Fire will propagate from one building to another building during emergency. Location: Shed -02	Provide a 4-hr fire rated separation wall between two factory building. No opening is permitted on 4-hr rating wall.	Within 3 months
 Shed -02: Civil work gain on with Mouchak Knit				

F-40	Means of Egress	Mezzanine floor lab area is not separated from the ground floor storage area. Location: Shed-2.	Separate the lab from the ground floor storage area area by 2-hr fire-rated construction.	Within 3 months
				
F-41	Means of Egress	Exit stair from the mezzanine lab area does not discharge to the outside of the building, rather internally discharge through the ground floor Storage area. Location: Shed-2	Provide 2-hr fire-rated egress court leading directly outside of the building.	Within 3 months

				
F-42	Means of Egress	Handrails are not provided on both sides of the exit stairs on from mezzanine floors. Location: Shed-2	Provide handrails on both sides of the exit stair & ramp. 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	Within 1 month
 				

F-43	Means of Egress	The mezzanine floor lab area single exit common path of travel exceeds 75 ft. Additionally, Ground floor & mezzanine floor storage area single exit common path of travel is 155 feet. Location: Shed-2	As per RSC Technical Guidelines (Standard) 6.13.2: The common path of egress travel shall not exceed 23 m (75 ft) for lab areas & the common path of egress travel for Group H (storage) occupancies with not more than 30 occupants shall not exceed 30 m (100 ft).	Within 3 months
F-44	Means of Egress	Directional Exit signage was not provided along the path of egress where there is a change in the direction for the path of travel and the direction to an exit is not obvious. Location: All Buildings	Provide directional 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 directional signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
 				

F-45	Means of Egress	Occupant load sign, updated evacuation map & stair designation sign were found missing at the required locations on all floors. Location: All Buildings	Provide occupant load sign & evacuation plans at required locations. Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month
F-46	Means of Egress	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Locations: All 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.	Within 3 months
				

F-47	Means of Egress	Exit signage not illuminated (burned out, broken, missing etc.) on several locations. Locations: All Building.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month
F-48	Fire Detection & Alarm System	The factory doesn't have any Fire Alarm & Detection system. Locations: All Building.	Design & Installation of Fire Alarm system shall be in accordance with RSC Technical Guidance and NFPA 72. Submit design, documents and calculations to RSC for review prior installation/modification. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72	Design Review within 2 months and installation within 4 months.
F-49	Fire Protection System(Standpipe System)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14, 20, 22, & 24 or as per RSC Technical guidelines (Standard). Location: Building 01 & Building 02.	Submit the standpipe system drawing to RSC for review. Once the design is reviewed, install/ modify the standpipe system throughout the building in accordance with review comment, RSC Technical Guidelines and NFPA 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 Review within 2 months and installation within 4 months.
F-50	Fire Protection System(Sprinkler System)	Sprinkler system installation requires detailed review to confirm compliance with NFPA 13, 14, 20, 22, & 24 or as per RSC Technical guidelines (Standard). Location: Building 01.	Submit the sprinkler system drawing to RSC for review. Once the design is reviewed, install/ modify the standpipe system throughout the building in accordance with review comment, RSC Technical Guidelines and NFPA 13, 14, 20, 22, & 24. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.	Design Review within 2 months and installation within 4 months.

F-51	Inspection, testing, and maintenance of the Fire Pump (ITM).	Inspection, testing and maintenance of the fire pump system, automatic fire sprinkler & Standpipe system are not in accordance with NFPA 25 Locations: Building 01 & 02.	Inspect, test and maintain the fire pump system, sprinkler system, standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 1 month after installation.
F-52	Fire Protection System(ITM of Extinguishers)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10. Locations: All Building.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and RSC standards.	Within 1 month
F-53	Fire Protection System(ITM of Emergency Lighting System)	Inspection, testing and maintenance for the emergency lighting system was not in accordance with The RSC standard. Locations: All Building.	Inspect, test and maintain the emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 1 month