

INITIAL FIRE SAFETY INSPECTION REPORT

Parkstar Apparel Ltd. (Extension)

RSC ID: 24546

ADDRESS: Kunia K. B. Bazar, Gazipur Sadar, Gazipur, Bangladesh
23.93460222791788, 90.38729908898965

Other Factories: Parkstar Apparel Ltd (ID-11265) and Parkscene Bangladesh Ltd (ID-9680)



Inspected By: Md. Rakibul Alam and Md. Musa
Date: 04 September 2023

Fire Safety Inspection Summary Report

Parkstar Apparel Ltd (Extension)

Summary

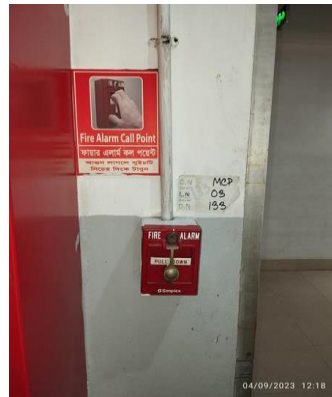
Parkstar Apparel Ltd (Extension) complex was surveyed for fire safety on 04 September 2023 by The RSC Inspection Team.

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.

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue. An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for approval.

Findings & Recommendations :

Table-1

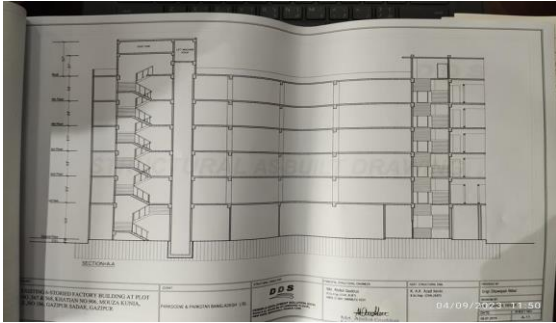
SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Alarm & Detection System (FADS)	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and then approval/acceptance test.	Within 2 months for review and 4 months for alteration/ modification
    				
2	Fire Suppression System (SUPS)	The fire pump set installation requires detailed review to confirm compliance with NFPA 20 and RSC standard.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and then approval/acceptance test.	Within 2 months for review and 4 months for alteration/ modification

					
3	Fire Suppression System (SUPS)	The firefighting system (standpipe) installation requires detailed review to conform compliance with NFPA 14.	Submit as built drawing, testing records, equipment certification and all relevant documents to the RSC for review, approval and then acceptance test.		Within 2 months for review and 4 months for alteration/ modification
					

4	Fire Rated Construction	Elevator shaft is provided in the exit stair enclosure and directly open to exit stair enclosure.	Modify the elevator and stair enclosure arrangement in a way to satisfy RSC standard 6.14.3. Or Separate the elevator by 1.5-hr fire rated opening protection from factory floors and exit stairs. There is a variety of opening protective types i.e., fire rated lift landing doors, fire doors with vestibules, fire rated curtain combination for both heat & smoke control with integration with fire alarm control panel.	Within 3 months
 				

5	Fire Rated Construction	Unsealed floor penetrations through utility/sewerage line are located in the fire-rated floor/ceiling assemblies. Location: All buildings.	Penetrations of fire resistive rated assemblies shall be protected with listed through penetration fire stop system, Tested in Accordance with ASTM E814 and RSC standard 4.7.	Within 3 months
				
6	Means of Egress	Fire evacuation maps is not posted at all entrance of the exits at several floors and Evacuation maps is not updated.	Fire evacuation maps shall be posted at the entrance to each exits and exit stairs and maps shall be updated regularly when required.	Within 1 month
7	Means of Egress	The width of egress aisles located at several floors are less than 36-inch.	Provide aisles mark on required all locations & Aisles shall be provided with a minimum unobstructed clear width of 0.9 m (36 in.).	Within 2 months

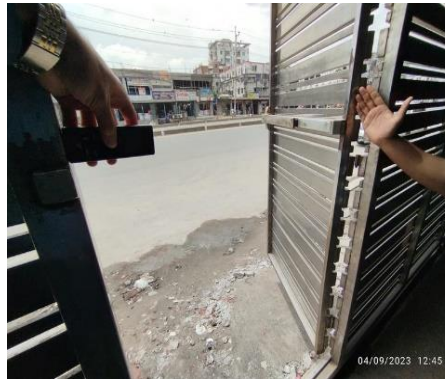


8	Means of Egress	Each exit stairs serve more than 5 stories and do not have required re-entry provisions.	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets RSC standard 6.8.3.1.	Within 3 months
				

9	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction. Full set certificates were not provided, in few door certification tag was missing, doors were open without door holders, some door holder not working, coordinator missing etc. Also Stair 4 not separated from ground floor area where electrical cable tray, non separated room available	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2-hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. 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 standard 6.8.3.1.	Within 03 months
				

10	Fire Rated Construction	Exit stair(s) is discharge the occupants inside the building.	Modify stair to discharge directly outside. Or Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or Provide automatic sprinkler protection in accordance with NFPA 13 throughout the level of exit discharge or portion of the level of discharge where separated from non sprinklered portions of the floor by fire barriers with the same fire resistance rating as the exit enclosure to meet RSC 6.17.3.	Within 3 months
				
11	Means of Egress	Building did not have proper Lift signage for emergency uses purpose.	Provide proper lift signage and mention "In Case of Fire Don't Use Lift" at every floor.	Within 1 month

12	Fire Rated Construction	The fire pump room is not provided with adequate fire separation. Fire door bottom clearance more than 19mm.	Provide fire pump room with 2 hr rated fire separation in accordance with NFPA 20.	Within 2 months
13	Means of Egress	Width of exit stair is less than 1.5m (60 in.) Location: Stair-2 & Stair-4.	Provide exit stair minimum clear and unobstructed width of 1.5 m (60 in.) in accordance with RSC standard 6.5.6.2.1.	Within 4 months
				
14	Means of Egress	Exit width is less than 1m (39 inch) and head room on exit is less than 2.03m (6ft 8in.) at the building exit.	Provide minimum exit width of 1 m (39-in.) and minimum headroom clear height of 2.03m (6ft 8in.) to meet RSC standard 6.5.6.1.2 & 6.3.3.	Within 3 months



15	Fire Rated Construction	Daycare and doctor room is not properly separated from the surrounding as well as the discharge path is fully unprotected.	Daycare and doctor room shall be 2-hr. fire rated from the surrounding as well as provide a minimum 1.5-hr. fire rated door.	Within 2 months
----	-------------------------	--	--	-----------------



16	Fire Alarm & Detection System (FADS)	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72.	Within 3 months
17	Fire Suppression System (SUPS)	Inspection, testing and maintenance for the fire protection system (standpipe) was not in accordance with standard.	Inspect, test and maintain the fire protection system and keep written records on-site, in accordance with NFPA 25.	Within 3 months
18	Fire Suppression System (SUPS)	Inspection, testing and maintenance for the fire pump system was not in accordance with standard.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20, NFPA 25.	Within 3 months
19	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure and separation walls to maintain the required fire separation. Penetration is prohibited into and through an exit enclosure. Re-route the cable channels.	Within 3 months

				
20	Fire Suppression System (SUPS)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and The RSC Technical Guidelines (Standard).	Within 1 month