

INITIAL FIRE SAFETY INSPECTION REPORT

SP Garments Ltd. (Extension Building)

Factory ID: 24241

Address: Shirir Chala, Mahona Vabanipur, Vawalgor, Gazipur Sadar, Gazipur.

Google Coordinate: 24.167008, 90.424551

Other Factories: None



Inspected By: Nirmal Chandra Sinha, Md. Sadid Rahman and Md. Khalaquzzaman

Date: 31 October 2021

Introduction:

SP Garments Ltd. (Extension Building) complex was surveyed for fire safety on **31/10/2021** 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.

Table-1 Findings & Recommendations:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	<p>The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction. During inspection it was observed that the factory has installed fire doors at exit but the accessories of fire doors (door coordinator in double leaf, door closer, panic bar etc.) were not working properly on several floors.</p>	<p>Submit installed fire rated door documents to the RSC for review. Provide minimum 1.5-hr fire rated doors for buildings that are 4 or more stories. Seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation as per Accord standard 6.3.1.3. 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.</p> <p>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 ACCORD standard 6.8.3.1.</p>	Within 3 months



2	Fire Rated Construction	<p>Since the structure is steel composite type and RCC panels are resting on the steel columns and girders. Hence, each floor of the building is not separated by a fire resistive rated construction barriers.</p>	<p>Newly construction building shall be Type-1 & Type-2 construction in accordance with Accord building standard 3.5.2.1 and BNBC part-2 Table-3.2.4. Provide fire-resistive rated construction barriers following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the rated construction barriers.</p>	Within 6 months
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3	Fire Detection & Alarm System	An addressable Cooper brand fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and Accord standard for all buildings in the factory premises.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design submission (Within 2 months), Modification within 4 months (if required)
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4	Inspection, Testing, and Maintenance of the Fire Detection & Alarm System	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.	Within 1 month
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5	Fire Protection	The standpipe is required for the building as the existing factory building with an occupied floor greater than 10 m (33 ft) above the finished grade. Standpipe system has installed in the factory building premises. Standpipe system installation requires to detailed review to confirm compliance with NFPA 14 and Accord standard for the buildings in the factory premises.	Provide a standpipe system throughout the building in accordance with NFPA 14. Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design submission (Within 2 months), Modification within 4 months (if required)
6	Inspection, testing, and maintenance of the standpipe system	Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 25 or as per Accord standard.	Inspect, test and maintain the pump, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 1 month
7	Inspection, testing, and maintenance of the fire pump	Inspection, testing, and maintenance of the pump is not in accordance with NFPA 20 or as per Accord standard.	Inspect, test and maintain the pump, and keep written records on-site, in accordance with NFPA 20 or as per Accord standard.	Within 1 month

8	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	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
				
9	Inspection, testing, and maintenance of Fire Extinguisher	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.	Within 3 months

10	Inspection, testing, and maintenance of Emergency light and Exit Sign	Inspection, testing and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with the standard. Keep written records on-site.	Within 3 months
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