

INITIAL FIRE SAFETY INSPECTION REPORT

Peak Apparels Ltd.

RSC ID: 24154

242, Sharifpur, National University, Joydevpur, Gazipur.
Google Coordinates: 23.961048331042697, 90.3759367339128

Other Factories: None



Inspected By: Mohammad Atick Al Zaman & Md Kamrul Hasan

Date: 15 March 2021

Fire Safety Inspection Report

Factory Name: **Peak Apparels Ltd.**

Introduction:

Peak Apparels Ltd was surveyed for fire safety on 15 March, 2021 by The RSC Inspection Team. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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 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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	Exit stairs are not separated from work areas and other spaces on each floor by fire rated construction due to unprotected openings and penetrations.	Separate the exit stairs from 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 ACCORD standard 6.8.3.1.	Within 3 months



2	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy in the 5th floor.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	within 3 months
---	-------------------------	--	---	-----------------



3	Fire Rated Construction	Generator room is not properly separated by fire rated construction with other occupancies.	<p>1. Generator room shall be separated from other occupancies by a minimum 2-hr fire rated construction (wall, floor, slab etc.). 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.</p> <p>Or</p> <p>Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.</p>	within 3 month
				
4	Fire Rated Construction	Dining area is not separataed from production area in 3rd floor.	Separate the dining area by a minimum 2-hr fire-rated construction having a direct access to exit stair. Seal and/or protected all openings to maintain the required fire separations.	within 3 months



5	Fire Rated Construction	Exit stair 1 is discharge the occupants inside the building in the ground floor.	<ul style="list-style-type: none"> 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). Or 3. Provide sprinkler protection for discharge floor in accordance with NFPA 13. 	within 3 months
---	-------------------------	--	--	-----------------





6	Fire Rated Construction	The fire pump room is not provided with adequate fire separation.	<p>Provide fire pump room with 2 hr rated fire separation when not sprinklered and 1 hr rated fire separation when provided with automatic sprinklers in accordance with NFPA 20</p> <p>Or,</p> <p>Physically separate the pump room from the protected building by a minimum of 50 ft (15.3 m) in accordance with NFPA 20</p>	within 1 months
---	-------------------------	---	--	-----------------



7	Egress	Aisles is missing in some places in 1st floor.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Immediate
---	--------	--	---	-----------



8	Narrow exit stair	Factory has only 2 stair & between them stair 2 is inadequate for the 5th, 4th, 3rd & 2nd floor (30 inches wide)	Modify the stair to have a minimum width of 0.9 m (35 inches)	Within 1 month
<div style="display: flex; justify-content: space-around;">   </div>				
9	Fire Alarm & Detection system	Factory installed automatic alarm and detection features throughout the building. Fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation. Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 6 months



10	Fire Alarm & Detection system (ITM)	Inspection, testing, and maintenance for the fire alarm system is 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.	Within 7 months
11	Fire Protection	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade and factory install standpipe system. Standpipe system installation requires detailed review to confirm compliance with NFPA 14.	Provide standpipe system throughout the building in accordance with NFPA 14. Submit drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 6 months



12	Fire Protection (ITM)	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	Within 3 months
13	Day care care	The day care room is located at 1st floor and does not have direct access to an exit stair.	<ol style="list-style-type: none"> 1. Provide a direct access from daycare room to exit stair. [if the daycare is located at 1st floor] or 2. Provide a minimum 2-hr fire-rated exit corridor between the day-care room and exit stair. or 3. Relocate day-care room to ground floor with maximum travel distance of 9m (30 ft). 	Within 1 months



14	Egress	Sliding doors have provided along means of egress.	<p>Replace all shutter type doors & gates by the side-hinged swinging type doors.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	1 week
----	--------	--	---	--------



15	Egress Doors along means of egress are provided with non compliant locking system (Ground floor-main gate & roof-exit door)	<ol style="list-style-type: none"> 1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons. 	Immediate
----	--	---	-----------



16	Inspection, testing, and maintenance	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	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
17	Inspection, testing, and maintenance	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 on- site, in accordance with NFPA 10 and ACCORD standards.	Within 3 Months