

INITIAL FIRE SAFETY INSPECTION REPORT

Victoria Intimate Limited

RSC ID: 24298

Dakkhin Vangnahati, Boiragirchala, Sreepur Gazipur

Geographical Coordinates of factory building:

Other Factories: None



Inspected By: Md. Rakibul Alam & Md. Anisuzzaman

Date: 24-January -2022

Fire Safety Inspection Report

Victoria Intimate Limited

Summary:

Victoria Intimate Limited; complex was surveyed for fire safety on **24/Jan/2022** 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 fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline.

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: Findings & Recommendations for all building

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	<p>The exit stairs are not separated from work areas and other spaces on each floor as the installed fire rated doors was not functional properly and unprotected opening & penetrations with non-rated cable channel.</p> <p>Location: Production building-01, Admin building 02 & Utility building 03.</p>	<p>Provide minimum 2-hr fire rated separation exit enclosure. Provide minimum 1.5-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels.</p> <p>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.</p> <p>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



F-2	Fire Rated Construction	<p>Elevator shafts are directly open into the production floor without proper fire separation.</p> <p>Location: Production building 01 & Admin building 02.</p>	<p>Ensure minimum 2-hr listed/3rd part certified fire rated lift landing doors for elevator shafts otherwise close the area of the shaft with a 2-hr fire-rated construction barrier.</p>	Within 3 months
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F-3	Fire rated construction.	Storage room discharges directly into exit stair enclosure. Location: 5th & ground floor of production building 01.	Openings from exit enclosure to storage spaces 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 room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
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F-4	Fire Rated Construction	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.</p> <p>Location: Electrical riser of production building 01, Admin building 02 & Utility building 03</p>	<p>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 datasheet.</p> <p>Or</p> <p>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months
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F-5	Fire rated construction.	<p>It has been observed that the ground floor to first floor (claimed mezzanine) are not separated from each other of production building 01. Ground floor exit is from ground level and 1st floor exit from 1st floor level. Factory Claimed Mezzanine floor which is occupying more than 33.33% of the building plinth area (measure full plinth area) are not properly separated from the ground floor thus the 1st floor finished goods area appears more vulnerable regarding fire safety as well as property/material safety.</p>	<p>Mezzanine floor shall not exceed 33.33% of the building plinth area as per BNBC-2006, clause 1.12.6.1.</p> <p>Separate each floors by fire rated construction as per BNBC, Part-3, chapter-3 and Table 3.3.1.</p> <p>2-hr fire rated separation is required from claimed mezzanine floor (actually first floor) to ground floor other surroundings as well as separation is needed at required number of exit stairs.</p>	Within 3 months
				

F-6	Means of Egress	<p>A single means of egress is provided from first floor north side of production building 01 where travel exceed the limit.</p>	<p>Ground or basement story is allowed a maximum of 50 occupants and 23 m (75ft) travel distance.</p> <p>The second story is allowed a maximum of 30 occupants and 23 m (75ft) travel distance.</p> <p>All other stories require a minimum of 2 egress exits.</p> <p>Provide additional means of egress from first floor north side of production building 01</p>	<p>Within 3 months</p>
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F-7	Means of Egress	The 3-storied Utility building 03 is provided with only one exit stair.	Provide at least one additional exit stair for evacuation purpose in case of emergency. All requirements shall be met for stairs in new building construction as per BNBC.	Within 3 months
				
F-8	Means of Egress	<p>Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch).</p> <p>Location: Building 01, Building 02 & building 03</p>	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months



F-9	Means of Egress	<p>Building did not have stair designation signs at required locations.</p> <p>Location: Admin building 02 & Utility building.</p>	<p>Provide stair designation sign & exit 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.</p>	Within 1 month
F-10	Means of Egress	<p>Uneven path of travel and blockage in exit access due to construction purpose.</p> <p>Location: West side exit discharge of utility building..</p>	<p>Remove unnecessary items and level exit path to the public way.</p>	Within 1 month



F-11	Egress Lighting	<p>Exit sign not provided at required exit.</p> <p>Location: Several location of all building.</p>	<p>Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious.</p> <p>Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p>	Within 1 month
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F-12	Egress lighting(ITM)	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
F-13	Fire Alarm & Detection System (FADS)	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Design within 2 months, Install within 4 months.



F-14	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 ,20 ,22 & 24	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval/acceptance test.	Design within 2 months, Install within 4 months.
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F-15	Fire Protection System(ITM of fire pump)	Inspection, testing, and maintenance for the fire pump is not in accordance with NFPA 20, 25 or as per Accord standard.	Inspect, test and maintain the fire pump in accordance with NFPA 20,25 or as per Accord standard and keep written records on-site.	Within 1 Month
F-16	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 14,25 or as per Accord standard.	Inspect, test and maintain the standpipe system in accordance with NFPA 14,25 or as per Accord standard and keep written records on-site.	Within 1 Month

F-17	Fire Detection System (ITM of FADS)	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 or as per Accord standard.	Within 1 Month
F-18	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per Accord standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 1 Month