

INITIAL FIRE SAFETY INSPECTION REPORT

Oasis Fashion Limited

RSC ID: 24324

591 Gacha, Board Bazar, Gazipur 1704.

Other Factories: None



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Date: 6 February 2022

Fire Safety Inspection Report

Oasis Fashion Limited

Introduction:

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Oasis Fashion Limited complex was surveyed for fire safety on 06/02/2022 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.

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.

Findings & Recommendations :

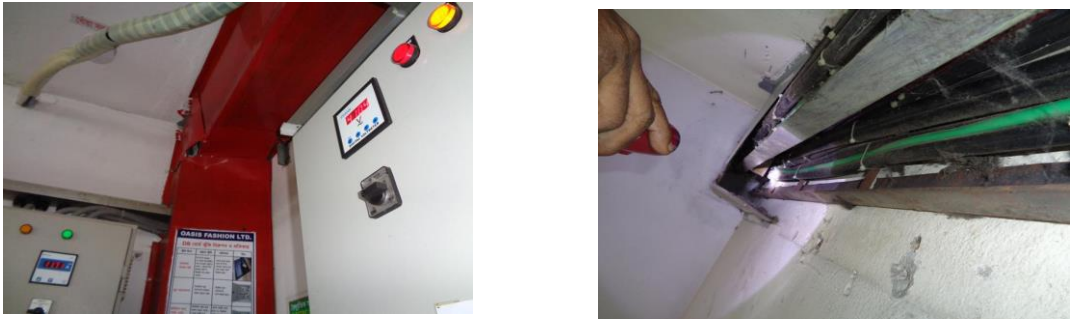
Oasis Fashion Limited

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.

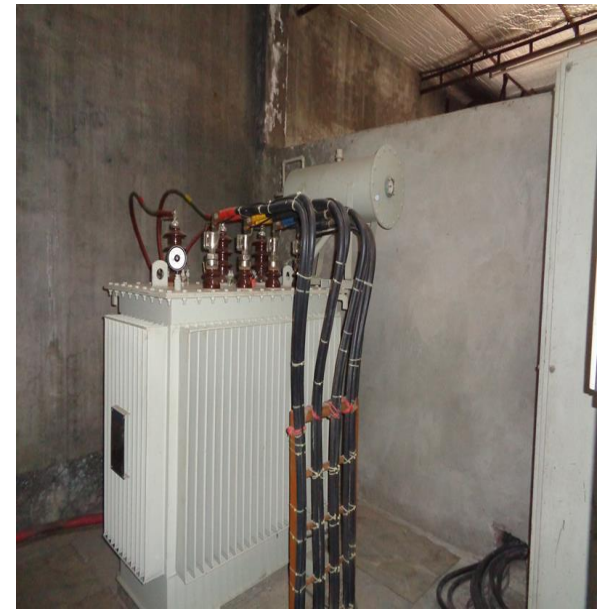
An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for approval.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	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 ACCORD standard 6.8.3.1.	Within 3 months
 				

F-2	Fire Rated Construction	Exit stair is discharge the occupants inside the building. Location: Stair 2 (East), Stair 3 (West)	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).	Within 6 months
				
F-3	Fire Rated Construction	Unsealed floor penetrations through electrical riser are located in the fire-rated floor/ceiling assemblies. Location: All floor.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
				

F-4	Fire Rated Construction	Compressor room is not properly separated by fire rated construction with other Occupancies/Areas. Location: Basement.	Compressor 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. Or relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months
				
F-5	Fire Rated Construction	The boiler room, generator room, and transformer room at the ground floor are not separated by fire rated construction. (Utility Shed)	Boiler, Generator, Transformer rooms 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. Or relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months



F-6	Fire Rated Construction	The fire pump room is not provided with adequate fire separation. Location: Utility shed.	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.	Within 3 months
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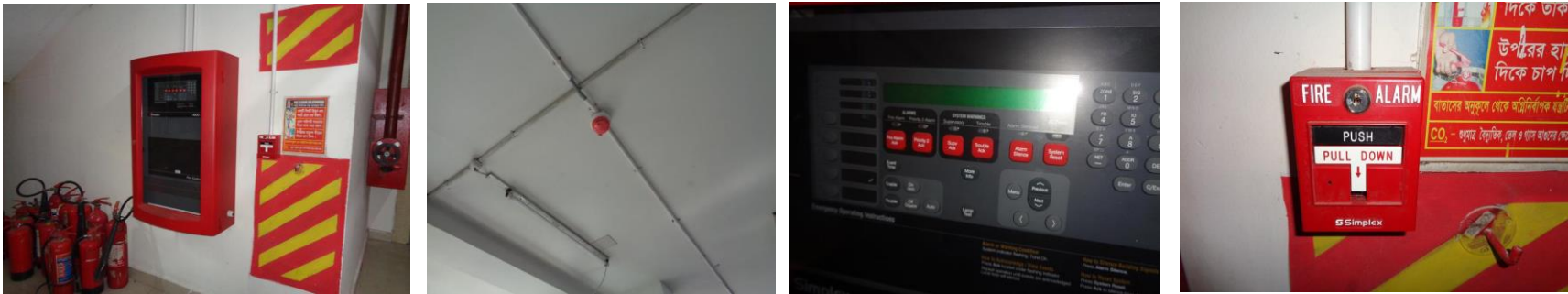


F-7	Fire Rated Construction	Areas used for combustible storage at several floors open to the factory are not separated by fire rated construction.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²). - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (1,000 ft²). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months
				
F-8	Fire Rated Construction	Rooms used for combustible storage is not separated by fire-rated construction from other occupancies due to openings, non-rated doors and penetrations.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction or separate storage rooms . 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
				

F-9	Fire Rated Construction	Dinning and prayer room is not separated by 2-hr fire rated separation from exit stair enclosure.	Separate the dining and prayer 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
				
F-10	Fire Rated Construction	The factory building does not have any parapet wall alongside of the roof	Provide a parapet wall of minimum height of 42" constructed with same fire rated construction.	Within 3 months
				
F-11	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 2 months



F-12	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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 1 month
 				

F-13		Occupant load sign and stair designation is not posted at the exit stair at all level	Occupant load sign and stair designation shall be posted at the entrance to exit stair at all level.	Within 1 month
F-14	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit design, documents and calculations to RSC for review prior and based on the review modify the system if there is any. 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 modification within 4 months (If require).
				
F-15	Inspection, testing, and maintenance	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 1 month
F-16	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.	Within 1 month

F-17	Inspection, testing, and maintenance	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with NFPA 10.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with NFPA 10. Keep written records on-site.	Within 1 month
F-18	Fire Protection System (Standpipe System).	Standpipe system and fire pump installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 24 and ACCORD standard.	Submit the standpipe system drawing to RSC for review. Once reviewed, install or modify the standpipe system throughout the building in accordance with Accord standard and NFPA 14 and 20. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design Review within 2 months and modification within 4 months (If require).



F-19	Inspection, testing, and maintenance	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.	Within 1 month
F-20	Inspection, testing, and maintenance	Inspection, testing and maintenance of the pump is not in accordance with NFPA 20.	Inspect, test and maintain the pump and keep written records on-site, in accordance with NFPA 20.	Within 1 month