

INITIAL FIRE SAFETY INSPECTION REPORT

Manel Fashion Ltd.

RSC ID: 24187

79/1, Bason, Viti Para, Gazipur

Other Factories: None



Inspected By: Pantha Pallob Das & Md.Anisuzzaman

Date: 26-Jan-2021

Fire Safety Inspection Report

Manel Fashion Ltd.

Summary:

Manel Fashion Ltd, complex was surveyed for fire safety on 26/01/2021 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 Accord. 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:

Sly No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit Enclosures are not properly fire separated due to some unprotected penetration and openings. Moreover, the Stenter machine and office were inside of stair-1 on the 6th floor.	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. 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.	Within 3 months



F-2	Fire Rated Construction	Elevator shafts are directly open into the inside of stair-1.	For new construction, elevators shall not open into an exit enclosure as per ACCORD-6.14.3. So, separate the stair enclosure from elevator shaft although the building.	Within 3 months
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F-3	Fire Rated Construction	<p>Penetrations in floor/ceiling assemblies are found unsealed on each level of all floors. Location: Busbar on all floors of main building.</p>	<p>Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by minimum 3-hr fire-rated materials to maintain the required fire-resistance rating.</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-4	Fire Rated Construction	There was no internal separation in-between generator and Substation on the ground floor of Utility Building.	<p>Generator room shall be separated from the transformer by a minimum 2-hr fire-rated construction (wall, floor, slab, etc.). Seal all penetrations and openings (door, window, etc.) shall be protected by 1.5-hr fire-rated materials to maintain the fire separation is required. All exhaust systems shall discharge to the exterior of the building in a safe location.</p> <p>Or, Relocate the Transformer to the exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.</p>	Within 3 months
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F-5	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not separated by fire rated construction at 1st floor & 3rd floor of production building.	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Or,</p> <p>Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 	Within 3 months
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F-6	Fire Rated Construction	The exit discharge path (Passageway) for stair-1 was not separated from the building interior (Office Portion). Location: Ground floor.	Provide a minimum 2-hr fire separation in-between passageway and office area on the ground floor. If any door opening required ensure those are minimum 1.5 hr. fire rated and listed.	Within 3 months
				
F-7	Fire Rated Construction	The exit discharge path (Egress Court) stair-2 was less than 10 ft wide(storage area) and was not separated from the building interior. Location: W-N side of production building.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft. to provide a minimum 2-hr fire separation. Provide spatial 10 ft distance in-between egress court and Utility.	Within 3 months

F-8	Fire Rated Construction	The fire pump room was not properly separated from Stair-3 by fire rated construction. Location: South side ground floor of production building.	Provide fire pump room with 2 hr. rated fire separation with 1.5 -hr. fire rated door. Or, Physically separate the pump room from the protected building by a minimum of 50 ft. (15.3 m) in accordance with NFPA 20.	Within 3 months



F-09	Means of Egress	Egress gates with non-compliant locking features were provided on ground floor discharge position. Location: All exits of Production Building.	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately
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F-10	Means of Egress	The egress path along means of egress has interrupted by obstruction. Location: Bottom of pocket gate of all stair ground floor of production building.	Means of egress shall be maintained continuously free and clear of all obstructions.	Within 1 month
				
F-11	Means of Egress	Stair designation is not posted at the exit stair at all level. Location : production building-1	Stair designation shall be posted at the entrance to exit stair at all level.	Within 1 month
F-12	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed each floor all level. Location : Production building-1	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

F-13	Fire Alarm & Detection System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit design to RSC for review and modify installation if required. Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design within 2 months, Install within 4 months (If modification required)
F-14	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 after completing installation.
F-15	Fire Protection System(Standpipe)	The Standpipe System requires detailed review to confirm compliance with NFPA 14 and ACCORD standards. Fire Pump NFPA-20.	Submit design to RSC for review and modify installation if required. Installation of Standpipe system should be in accordance with ACCORD standard and NFPA 14, 20, 22 and 24.	Design within 2 months, Install within 4 months (If modification required)



F-16	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance for the Standpipe system is not in accordance with NFPA 25 or as per Accord standard.	Inspect, test and maintain the Standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 1 month after completing installation.
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