

INITIAL FIRE SAFETY INSPECTION REPORT

TUSUKA APPARELS LTD. (Relocation)

RSC ID: 24293

40/5, Hazrat Shajalal Road, Rajnagar, Sataish, Tongi, Gazipur

Other Factories: None



Inspected By: Pantha Pallob Das

Date: 20 December 2021

Introduction:

TUSUKA APPARELS LTD. (Relocation) complex was surveyed for fire safety on 20/12/2021 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.

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 :

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 review.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Elevator shafts are directly open into the exit stair enclosure. Stair-1.	For new construction, elevators shall not open into an exit enclosure as per ACCORD Standard-6.14.3. So, ensure separate enclosures for the elevator shaft with minimum 2 hr. fire rating.	Within 3 months
				

F-2	Fire Rated Construction	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.</p> <p>Electrical Bus-bar.</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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F3	Fire Rated Construction	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction due to non-rated exposure for stair-4.	<p>Exterior exit stairs shall be separated by minimum 2-hr fire-rated construction and The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair structure. Provide minimum 2-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels.</p> <p>Additionally, ensure that the fire doors are self-closing, positive latching and that they are provided with fire exit (panic) hardware where serving production floors.</p>	Within 3 Months
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F4	Fire Rated Construction	The exit discharge passageway for stair-4 is not fire separated with warehouse on ground floor.	Separate the passageway by minimum 2-hr fire rated construction.	Within 3 months
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F5	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction on 1st floor.	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.	Within 3 Months
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F6	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction. Location: 3rd floor, main Factory Building	<p>Provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - 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). <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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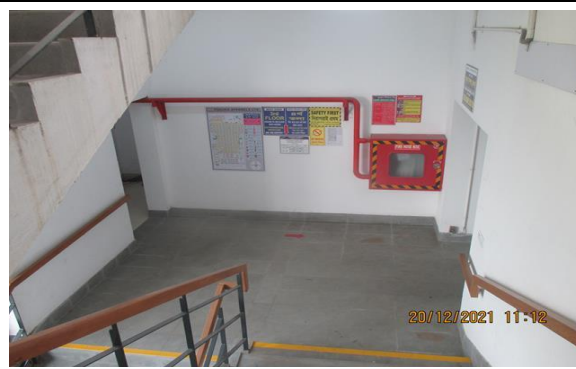
F7	Means of Egress	Guard or railing is not provided on the stairs in the exit discharge position where elevation difference is more than 30 inch.	Provide gurad rail following ACCORD standard 6.12.	1 Month
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F8	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	<p>Submit design, documents and calculations to RSC for review prior and based on the review modify the system if there is any.</p> <p>After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation.</p> <p>Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.</p>	Design Review within 2 months and modification within 4 months (If require).
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F9	Inspection, Testing and Maintenance (ITM) of Fire Alarm and Detection System (FADS)	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	Within 1 month after installation.
F10	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).



F11	Inspection, Testing and Maintenance (ITM) of Fire Protection System (Standpipe System).	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 1 month
F12	Inspection, Testing and Maintenance (ITM) of Fire Protection System (Fire Pump).	Inspection, testing and maintenance of the fire pump is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump and keep written records on-site, in accordance with NFPA 25.	Within 1 month