

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Hamid Tex Fashion Ltd.

Factory ID: 24107

Google Co-ordinate: 24.331642, 90.381927

Address: 203 Hobirbari, Seed Store bazar, Bhaluka, Mymensingh-2240

Other Factories: N/A



Inspected By: Monsurul Akram Azim & Md. Foyzal Ahmed

Date: 17-06-2021

Fire Safety Inspection Report

Factory Name: Hamid Tex Fashion Ltd.

Introduction:

Factory ID: 24107

Hamid Tex Fashion Ltd. complex was surveyed for fire safety on **17/06/2021** 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 :

Factory Name: Hamid Tex Fashion Ltd.

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	The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction.	<p>The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories.</p> <p>Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer.</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>	within 3 months



2	Fire Rated Construction	<p>Areas used for combustible storage are not separated by fire-rated construction. Locations: All floors.</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - Maximum height of 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months
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3	Fire Rated Construction	Unsealed penetrations and openings are located in the exit stair enclosures at several locations.	<p>Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.</p> <p>Note: Penetrations into and through an exit enclosure shall be prohibited with the exception of required exit doors, sprinkler piping, standpipes, electrical raceway for fire alarm equipment, and electrical conduit serving the exit enclosure.</p>	Within 3 months
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4	Fire Rated Construction	Exit stair-4 (north-west) is discharged the occupants inside the building at ground floor.	<p>1. Modify stair to discharge directly outside. Or</p> <p>2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).</p> <p>Note: A maximum of 50 percent of the number and capacity of the exit enclosures can discharge through areas on the level of exit discharge whereall the conditions described in Accord building standard 6.17.3 are met.</p>	Within 3 months
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5	Fire Rated Construction	The exit discharge path is less than 10 ft wide and is not separated from the main production building interior of Shade-2 (Sample 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 1-hr fire separation.	within 3 months
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6	Fire Rated Construction	Boiler or furnace room is not properly separated by fire rated construction with sample section (shed-2).	Separate the boiler and compressor rooms by a minimum 1-hr fire-rated construction for non-high rise, and 2-hr fire rated construction for high rise. Seal and/or protect all openings to maintain the required fire separations. When located to the exterior of a building, 3m (10 ft.) separation is required. Provide proper ventilation and consult a qualified engineer.	Within 3 months
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7	Fire Rated Construction	The generator room is not separated by fire rated construction (openings, penetrations) from main production building at ground floor.	Separate the generator room by a minimum 2-hr fire rated construction. Seal and/or protected all fire separations.	Within 3 months
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8	Means of egress	<p>The change in elevation of walking surface is greater than 1/2 inch between landing level and floor level of east exit of Shed# 1 & 2 and there is no slope.</p>	<p>Changes in level exceeding 535 mm (21 in.) in elevation shall meet the requirements for stairs in 6.9 or ramps in 6.10 of Accord Building Standard.</p>	<p>Within 1 month</p>
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9	Means of egress	No hand rail is provided for exit discharge ramps on ground floor.	Provide handrails on both sides of the exit stair. Handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.).	Within 3 months
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10	Means of egress	Aisles marks are not provided in some places. Location: 1st floor (Main building)	Aisles shall be provided with a minimum unobstructed clear width of 0.9 m (36 in.).	Within 1 month
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11	Means of egress	Travel distance exceeds 45 meter.	Reconfigure the egress arrangement or include additional stair to reduce the maximum travel distance to not more than 45 meter as per the Accord Standard Part 6 Section 6.13	Within 3 months
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12	Means of egress	<p>Proper Parapets or guards are not provided in occupied/occupiable roof.</p> <p>Note: Temporary guards were provided on roof top.</p>	<p>Provide parapets or guards with a minimum height of 1067mm (42 inch.).</p>	<p>Within 3 months</p>
<div style="display: flex; justify-content: space-around;">   </div>				

13	Means of egress	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
14	Fire Alarm & Detection System	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.	<p>Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval, modification shall have to done as per the reviewed design (if required).</p> <p style="text-align: center;">&</p> <p>Upon approval & modification (if required) the factory shall verify the system by RSC for final acceptance.</p>	Design within 2 months, Install within 3 months (If modification required)
				

15	Fire Detection System(ITM of FADS)	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months (After installation)
16	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 3 months



17	Egress lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month
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18	Egress lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from [emergency lighting /exit signage] units to prevent them from being switched off	Within 1 month
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19	Egress lighting	Exit sign and Directional Sign are not provided at and towards exit at several floors.	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. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
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20	<p>Inspection Testing and Maintenance of Portable Fire Extinguisher. (ITM)</p>	<p>Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.</p>	<p>Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and ACCORD standards.</p>	<p>Within 3 months</p>
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21	Inspection, testing, and maintenance of the emergency lighting system (ITM).	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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