

INITIAL FIRE SAFETY INSPECTION REPORT

Triple Apparels Ltd (Extension)

RSC ID: 26393

Geographical Coordinates: 24.212846860003463, 90.43291099999999

Address: Holding No-567, Block-B, Ward No-06, Kewa, Sreepur PS, Gazipur-1740

Other Factories: Triple Apparels Ltd [ID: 23988]



Inspected By: Md. Kawsar Rubaiat

Date: 05-October-2025

Fire Safety Inspection Report

Triple Apparels Ltd (Extension)

Introduction:

Triple Apparels Ltd (Extension), complex was surveyed for fire safety on **05-Oct-2025** 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.

General Factory Information

There is 1 structure covered under this RSC ID-26393. The building detail is as below:

SL No	Building Name	Building Construction Period	Approval Date & Authority	Occupied	Structure type	Construction Category
1	Warehouse Building: G+1 Storied [Proposed: G+3] Total Floor Area: 35,338 Sq. ft	1st Phase: Sep-2018 to Jun 2019 2nd Phase: Jan-2025 to Jun- 2025 [up to 1st floor]	16-Aug-2018 Sreepur Pourasava	Jul-2025	RCC	Interim Building

Address: Holding No-567, Block-B, Ward No-06, Kewa, Sreepur PS, Gazipur-1740

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 review.


Table-1: Warehouse Building.



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Means of Egress	<p>The exit stair enclosures are not separated from work areas and other spaces on each floor by fire-rated construction.</p> <p>Location(s): All floors (Warehouse Building).</p>	<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 1-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 in accordance with section 6.3.1.2 of RSC Technical Guidelines (Standard)¹ V1.0.</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. 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>Keep proper datasheet & certifications for installed fire doors & accessories on-site for verification. The clearance under the bottom of a door shall be a maximum of 3/4 in. (19 mm).</p>	Within 3 months







F-02	Means of Egress	<p>Electrical panels were located in the exit stair enclosure.</p> <p>Location: GF, East Stair (Warehouse Building).</p>	<p>Remove and relocate all electrical panels from exit stair enclosures.</p> <p>Or,</p> <p>Provide fire separation with stair enclosure in accordance with section 6.3.1 of RSC Technical Guidelines (Standard)¹ V1.0.</p>	Within 3 months
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F-03	Means of Egress	<p>Width of aisles is less than 0.9m (36-in.).</p> <p>Location(s): GF (Warehouse Building).</p>	<p>Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.</p>	<p>Within 1 month</p>
				

<p>F-04</p>	<p>Means of Egress</p>	<p>Uneven path of travel was observed in the exit discharge path due to construction purposes.</p> <p>Location(s): South & East side (Warehouse Building).</p>	<p>Remove unnecessary items and level exit path to the public way. Means of egress shall be maintained continuously free and clear of all obstructions</p>	<p>Within 3 months</p>
<div style="display: flex; justify-content: space-around;">   </div>				



<p>F-05</p>	<p>Means of Egress</p>	<p>A single means of exit has been provided on the first floor of the Interim Construction Building.</p> <p>Location: 1st floor of Warehouse building.</p> <p>Non-compliance: West exit is not in operational condition.</p>	<p>The number of means of egress from any floor, story or portion thereof shall not be less than 2 except where a single exit is permitted by RSC Technical Guideline (Standard), section 6.6.2.</p> <p>Provide additional exit and ensure that the exit doors or means of egress openings are located a distance apart as per RSC Technical Guideline (Standard) section 6.6.6</p>	<p>Within 3 months</p>
				



F-06	Means of Egress	<p>Fire evacuation maps are not updated/not provided at all required locations.</p> <p>Location(s): All floors (Warehouse Building).</p>	<p>Update the fire evacuation map and shall be posted at the entrance to each exit stair in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 13.3.</p>	<p>Within 1 month</p>
F-07	Means of Egress	<p>Exit access headroom is measured 80 inches.</p> <p>Location(s): All floors (Warehouse Building).</p>	<p>All means of egress shall have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6 ft 8 in.). The minimum ceiling height shall be maintained for at least 2/3 of the space or room as long as the remaining area shall be not less than 2.03 m (6 ft 8 in.). Headroom on stairs shall not be less than 2.03 m (6 ft 8 in.) as per RSC Technical Guideline (Standard) section 6.3.3.</p>	<p>Within 3 months</p>
<div style="display: flex; justify-content: space-around; align-items: center;">   </div>				



F-08	Means of Egress	<p>Directional signs are not provided where direction of the path of travel to an exit has changed.</p> <p>Location(s): All floors (Warehouse Building).</p>	<p>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 in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.3.</p>	Within 1 month
				



F-09	Means of Egress	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.</p> <p>Location(s): All floors (Warehouse Building).</p>	<p>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. Illumination on means of egress shall meet in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 10.12.2.</p>	Within 3 months
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<p>F-10</p>	<p>Means of Egress</p>	<p>Both stair clear widths were found less than 60 in (available: 58 inches each). Location(s): All exit stairs (Warehouse Building).</p>	<p>Stairs shall have a minimum clear width of 60 in for all industrial occupancies as per RSC Technical Guideline (Standard) section 6.5.6.</p>	<p>Within 3 months</p>
				



F-11	Means of Egress	<p>Walking surfaces are not uniformly slip-resistant.</p> <p>Location(s): All exit stairs (Warehouse Building).</p>	<p>Walking surfaces, including stairway treads shall be uniformly slip resistant in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.3.6</p>	Within 3 months
				

F-12	Means of Egress	<p>Storage area discharges directly into the exit stair enclosures.</p> <p>Location(s): All exit stairs (Warehouse Building).</p>	<p>Openings from exit enclosure to Storage areas shall be provided with a vestibule with fire rated construction and openings in accordance with section 6.14.3 of RSC Technical Guidelines (Standard)¹ V1.0. Provide a min 1-hr fire rated door on the exit stair side and a 1.5 hr. fire rated door on the Store side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure as per RSC Technical Guidelines (Standard)¹ V1.0. section 6.14.3. The minimum width for vestibules shall not be less than 1.1m and length 1.8m.</p>	Within 3 months
		 <p>05/10/2025 1:17 pm</p>	 <p>05/10/2025 12:46 pm</p>	

F-13	Means of Egress	<p>Building does not have occupant load signs at the required locations on all floors.</p> <p>Location(s): All floors (Warehouse Building).</p>	<p>Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4.</p>	Within 1 month
F-14	Means of Egress	<p>Parapets or guards are not provide in occupiable roof.</p> <p>Location(s): Warehouse Building.</p>	<p>Provide parapets or guards with a minimum height of 1067mm (42 inch.) in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.</p>	Within 3 months
				



F-15	Means of Egress	<p>Building does not have stair/floor level designation signs at the required locations on all floors.</p> <p>Location(s): All floors (Warehouse Building).</p>	<p>Provide stair 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 in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9.3.</p>	Within 1 month
F-16	Means of Egress	<p>Exit sign not provided at exit.</p> <p>Location(s): All floors (Warehouse Building).</p>	<p>Lighted exit signs shall be placed at entrance to an exit. Additional directional 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 at all times. Exit Sign shall provide in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.</p>	Within 1 month
<div style="display: flex; justify-content: space-around;">   </div>				

F-17	Means of Egress	<p>Handrails are not provided on both sides of each exit stair on all floors. Having handrails on one side of said staircase may pose a falling hazard during evacuation.</p> <p>Location(s): All exit stairs (Warehouse Building).</p>	<p>Provide handrails on both sides of the exit stair. New 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.).</p> <p>Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Handrail shall construct in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.</p>	Within 3 months
				

<p>F-18</p>	<p>Fire Rated Construction</p>	<p>Rooms used for storage of combustible materials are not separated from the surrounding existing fire alarm control panel room.</p> <p>Location(s): GF, East Side (Warehouse Building).</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).</p>	<p>Within 3 months</p>
<div style="display: flex; justify-content: space-around;">   </div>				

<p>F-19</p>	<p>Fire Rated Construction</p>	<p>Elevator shaft (under installation) opens directly into the exit enclosure, which doesn't comply with RSC Technical Guidelines (Standard), section 6.14.3.</p> <p>Location: East stair enclosure (Warehouse Building).</p>	<p>Provide a minimum 2-hr fire rated elevator shaft to separate it from stair enclosure. No discharge is accepted through elevator shaft. Seal all openings to maintain fire separations.</p>	<p>Within 3 months</p>
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<p>F-20</p>	<p>Fire Rated Construction</p>	<p>Elevator shaft (under installation) opens directly into the production floor without proper fire separation due to unprotected opening.</p> <p>Location: East side (Warehouse Building).</p>	<p>Elevator shaft shall be separated from production area by 2 hours fire rated construction. 2-hr fire barriers shall be protected with minimum 1.5-hr fire protective opening assemblies.</p>	<p>Within 3 months</p>
<div style="display: flex; justify-content: space-around;">   </div>				
<p>F-21</p>	<p>Fire Rated Construction</p>	<p>The required fire separation distance does not comply with the requirements of BNBC 2006.</p> <p>Location: North Side (Warehouse Building).</p>	<p>The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2006, Tables 3.2.2 and Part 3 Section 2.4.1.3.</p>	<p>Within 6 months</p>

<p>F-22</p>	<p>Fire Alarm & Detection System (FADS)</p>	<p>The factory has installed a fire alarm and detection system that requires a detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).</p> <p>Location(s): Warehouse Building.</p>	<p>Submit the fire alarm and detection system design to RSC for review.</p> <p>Once the design is reviewed, install and modify the fire detection and alarm system throughout the building in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 72.</p> <p>After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.</p>	<p>Design within 2 months and modification/ installation with 4 months</p>
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F-23	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 month after installation.
F-24	Inspection, Testing & Maintenance (Fire)	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 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 month
F-25	Inspection, Testing & Maintenance (Fire)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with the RSC Technical Guidelines (Standard) ¹ V1.0.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard) ¹ V1.0. Keep written records on-site.	Within 1 month

F-26	Inspection, Testing & Maintenance (Fire)	Written housekeeping policy was not found, which is required as per RSC Technical Guideline (Standard) section 13.6.	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	Within 1 Month
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