

INITIAL FIRE SAFETY INSPECTION REPORT

Montex Fabrics Ltd. (Extension)

RSC ID: 24561

ADDRESS: Nayapara, Kashimpur, Gazipur

Other Factories: Montex Fabric Ltd(23966) & Mondol Fabric Ltd(10861) (In this premise)



Inspected By: Mohammad Anayet Hossain & Md. Anisuzzaman

Date: 4th October 2023

Fire Safety Inspection Report

Montex Fabrics Ltd (Extension)

Introduction:

Montex Fabrics Ltd (Extension); complex was surveyed for fire safety on **4/10/2023** 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

Factory Building name(s): Factory Building name(s): There are 2 structure under this ID-24561 which are below

1. Building 01 Warehouse -two storied steel structure(Construction: Start Date : Oct-2020 to May 2021 & Occupied: June 2021, total area=1710SQM, Interim Construction)

2. Building 07B(Main Gate - two storied RCC (Construction: Start Date : Sept-2011 to May 2012 & Occupied: July 2012, total area=186 SQM, Interim construction)

Factory Address: Nayapara, Kashimpur, Gazipur

Points of contact:

1. Name: Mohammad shameem Ahamed ,
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2. Name: Md. Kahirul Islam,
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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 approval

Table-1: Finding & recommendation for all building.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction.	Transformer room is not separated from store due to unprotected opening. Location: East side ground floor of building 01 extension part 2	Transformer 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.	Within 3 months




F-2	Fire Rated Construction	<p>The main structural elements of the building 01-warehouse(chemical) building is constructed by steel which is non-rated and were found in exposed condition without any fire protection.(Interim Construction)</p> <p>Location: Building 01- Warehouse(chemical)</p>	<p>The buildings is interim steel structure which shall be type-I or II construction. So, provide require rating in the structural elements of the buildings. Consult with a qualified fire protection engineer. Follow BNBC 2006-Table 3.2.4, 3.1.9 and 3.3.1 as reference. Note: J occupancy (Chemical Store) shall be type-I construction.</p>	Within 6 months
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F-3	Fire Rated Construction	Two storied warehouse(chemical) building is not separated from building01(Montex fabric ltd) due to unprotected opening	Separate the two storied chemical warehouse building and building 01 is fire separated by minimum 2-hr fire rated construction.	within 3 months
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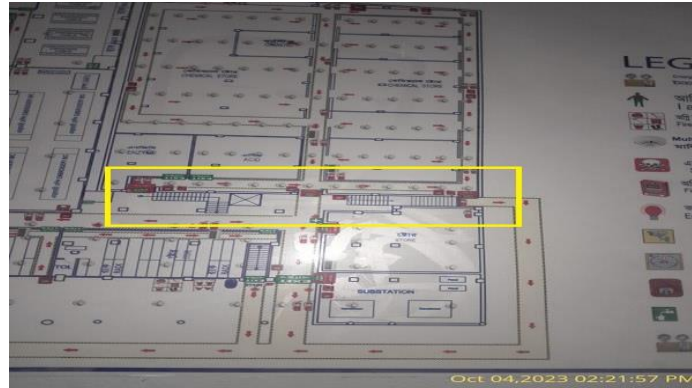
F-4	Fire Rated Construction	<p>Penetrations through fire rated floor/ceiling assemblies are not properly sealed all floor of levels.</p> <p>Location: Building 01 - warehouse(chemical)</p>	<p>Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by minimum 2-hr fire-rated materials to maintain the required fire-resistance rating.</p>	<p>Within 3 months</p>
				
F-5	Means of Egress	<p>The exit discharge path (Passageway) is not separated by fire-rated construction.</p>	<p>Provide minimum 2 hr. fire rated exit discharge path which will lead directly outside.</p>	<p>Within 3 months</p>



F-6	Means of Egress	<p>Exit Enclosures are not properly fire separated from other occupancy on each floor by fire rated construction.</p> <p>Location : Building01-Warehouse(chemical)</p>	<p>The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating with 1- hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated materials for buildings with 3 or fewer stories.</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
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F-7	Means of Egress	<p>Exits are not remotely located from each other of the first floor.</p> <p>Location: chemical warehouse building</p>	<p>Specify appropriate upgrade based on conditions:-</p> <ol style="list-style-type: none"> 1. Modify exit arrangement to meet RSC Technical Guidelines (Standard)V1- 6.6.6. <p>OR</p> <ol style="list-style-type: none"> 2. Provide additional exit(s) to meet A RSC Technical Guidelines (Standard)V1- 6.6.6. 	Within 3 months
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F-8	Means of Egress	The common path of egress travel for Group J (high hazard) occupancies was more than 8 m at ground floor & first floor for building 01 warehouse(chemical) .	The common path of egress travel for Group J (high hazard) occupancies shall not exceed 8 m (25 ft). So, Reconfigure the egress arrangement to reduce the maximum tolerable common path of egress travel distance	Within 4 months
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F-9	Means of Egress	Building did not have stair designation signs & exit designation signs at required locations.	Provide stair designation sign & exit 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.	Within 1 month
F-10	Means of Egress	Building did not have occupant load signs at required locations.	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.	Within 1 month
F-11	Mean of Egress	Updated fire evacuation maps is not posted at the entrance of all exit stair.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 1 month
F-12	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Building 01-Warehouse(chemical)	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	Egress lighting	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes .</p> <p>Location: Building 01-Warehouse(chemical)</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.</p>	Within 3 months
F-14	Fire Alarm & Detection System (FADS)	<p>Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.</p> <p>Location: all buildings.</p>	<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 month and modification within 3 months (If require).



F-15	Fire alarm & Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 (Table-14.3.1) or as per RSC standard.	Within 1 Month after modification (If require).
F-16	Fire Protection System (ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per RSC standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per RSC standard.	Within 1 Month