

FIRE SAFETY INSPECTION REPORT

Versatile Textiles Ltd.

ACCORD ID: 23233

89/2 Chaydana, Degerchala Road, National University(24.001127, 90.382105)

Other Factories: None



ACCORD
on Fire and Building Safety in Bangladesh

Inspected By: Pantha Pallob Das & Md. Tarif Raihan

Date: 4th June, 2018

Fire Safety Inspection Report

Versatile Textiles Ltd.(New Buildings)

Summary:

Versatile Textiles Ltd.(New Buildings) complex was surveyed for fire safety on 04/06/2018 by The Accord 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 Accord for approval.

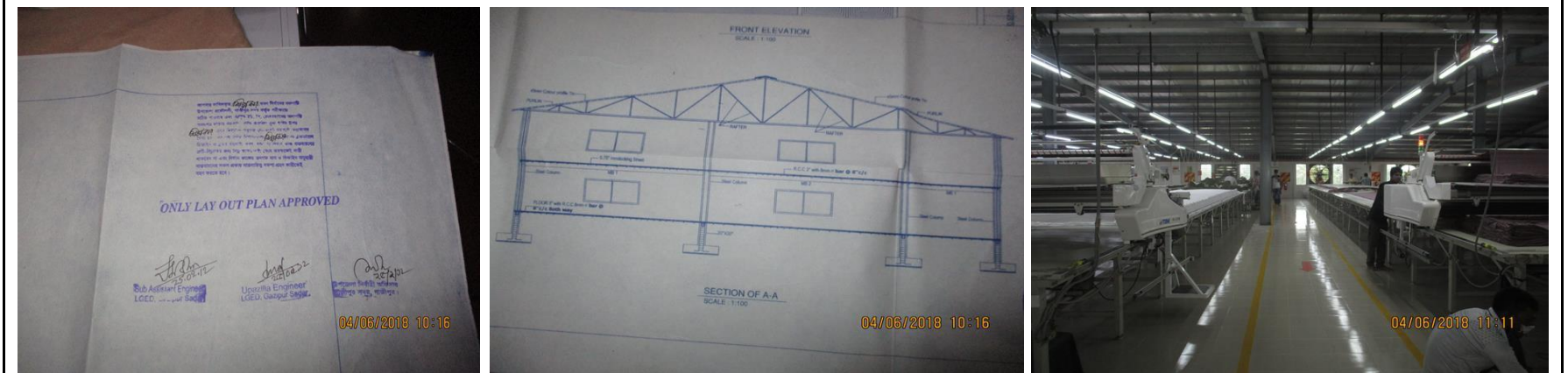
Findings & Recommendations :

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Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The main structural element of the building is constructed by steel which is non-rated and were found in exposed condition without any fire protection.	The building shall be type-I or II construction. So, provide require rating in the structural elements of the building. Consult with a qualified fire protection engineer. BNBC 2006-Table 3.2.4	8 months



F-2	Fire Rated Construction	<p>Rooms used for combustible storage are not separated by fire rated construction.</p> <p>Location: Both ground and 1st floor.</p>	<p>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.</p>	Within 3 months
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F-3	Fire Rated Construction	<p>Areas used for combustible storage open to the factory are not separated by fire rated construction.</p> <p>Location: Both ground and 1st floor.</p>	<p>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.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²)</p> <p>- If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²).</p> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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F-4	Fire Rated Construction	The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction due to unprotected opening and penetration.	<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
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F-5	Fire Rated Construction	The exit stair discharge inside of production floor without proper fire separation.	Separate the exit passageway (ceiling, floor, wall etc.) by minimum 1- hr. fire-resistance rated construction and shall terminate at an exit discharge.	Within 3 months
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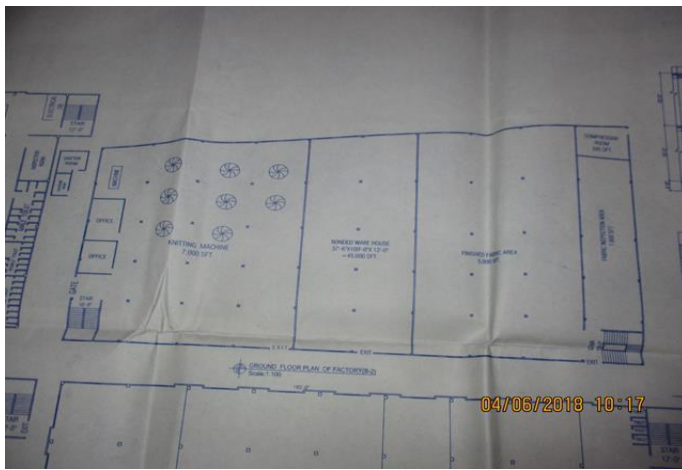


F-6	Egress Lighting	<p>Exit signage was not provided along a path of egress.</p> <p>Location: All floors of the building</p>	<p>Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p>	Within 2 months
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F-7	Egress	<p>Common path of travel for Yarn store on ground floor exceeds 23 m.</p>	<p>The common path of travel shall not exceed 23 m, in the case of sprinkler building it can be up to 30 m.</p>	Within 3 months
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F-8	Fire Detection and Alarm System	The addressable fire detection and alarm system is installed for the building but the compliance level shall be verified as per relevant Standard.	Submit the Fire Detection and Alarm system design to ACCORD for Testing and Commissioning. The equipment shall be listed and 3rd party certified. The installation shall be as per NFPA -72.	Within 4 months.
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