

# INITIAL FIRE SAFETY INSPECTION REPORT

**Hamza Clothing Ltd.**

**RSC ID: 24110**

**Bangabandhu Road, Tongabari, Ashulia (23.896596, 90.313749)**

**Other Factories: Ayesha Clothing Limited (In the premises)**



**Inspected By: Pantha Pallob Das**

**Date: 26 August 2021**

## **Introduction:**

Hamza Clothing Limited complex was surveyed for fire safety on 26/08/2021 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.

## **General Factory Information**

Factory Building name(s): Under the ID-24110, there are total 8 structures. Building-E (3 storied steel structure) is the main building and others are ancillary. The ancillary structures are as: Building-N (2 storied-GF is RCC and roof is steel. The 1st floor is partial approximately 1/3 rd of ground floor, Building-W (Single storied fire alarm control room), Single storied shower shed, Shed-U (Car Parking), Shed-S (Cycle parking shed), Shed-T (Wastage store) and Shed-V (Conveyer belt shed).

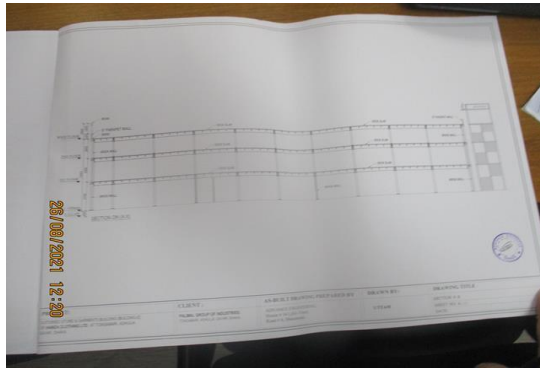
## Findings & Recommendations :

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:**

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	<p>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.</p> <p>[Main Building and Building-N (1st floor)]</p>	<p>The building is a new steel structure which shall be type-I or II construction (based on table 3.1.9 of BNBC 2006). So, provide require rating in the structural elements of the building. Consult with a qualified fire protection engineer. Follow BNBC 2006-Table 3.2.4, 3.1.9 and 3.3.1 as reference.</p>	<p>Within 6 months</p>




2	Fire Rated Construction	<p>Exit Enclosures are not properly fire separated from other occupancy on each floor due to non-functionality of fire rated doors. The fire rated doors are installed with main building where the stair portion is constructed by RCC. However, most of the doors were found open using external objects.</p> <p>Location : Main Building .</p>	<p>Provide minimum 1-hr fire rated separation in exit enclosures with minimum 1-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels with similar rating of fire door.</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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3	Fire Rated Construction	<p>The exterior stairs for building-N is not fire separated properly due to unprotected openings within 10 ft distance.</p> <p>(Building-N)</p>	<p>Exterior exit stairs shall be separated by minimum 1-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 1-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. 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> <p>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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4	Fire Rated Construction	<p>Elevator shafts are directly open inside of stair enclosure which is a violation of ACCORD Standard-6.14.3.</p> <p>Location: Main Building.</p>	<p>In new construction, elevators shall not open into an exit enclosure [Accord Building Standard 6.14.3]. So, rearrange the facility to provide separate enclosure for lifts with 2-hr fire rating.</p>	<p>Within 3 months</p>
				
5	Fire Rated Construction	<p>Store room are not properly fire separated with dining area (E4-280 people) on 1st floor of building-N.</p>	<p>Provide 3-hr fire separation in-between store and dining on 1st floor of the dining building.</p>	<p>Within 3 Months</p>



6	Means of Egress	Common path of travel for chemical store was more than 8 m.	Reconfigure the exit arrangement so that the common path of travel does not being more than 8 m on ground floor chemical store of building-N.	1 Month
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7	Fire Alarm & Detection System (FADS)	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standard.	<p>Design &amp; Installation of Fire Alarm system shall be in accordance with ACCORD standard and NFPA 72. Submit design, documents and calculations to RSC for review prior installation/modification.</p> <p>After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection &amp; 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 within 2 months, Install within 4 months.
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8	Fire Protection System (Standpipe)	<p>Standpipe System installation requires detailed review to confirm compliance with NFPA 14, 20, 22 &amp; 24 and ACCORD standard.</p> <p>Location: Main Building.</p>	<p>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, 20, 22 and 24. After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection &amp; alarm system installation.</p>	<p>Design within 2 months, Install within 4 months.</p>
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