

# INITIAL FIRE SAFETY INSPECTION REPORT

**Factory Name: Consist Apparels Ltd. - Extension 2 (previously Workfield Knitwears)**

**RSC ID: 25614**

**ADDRESS: Bawpara, Kaultia, Gazipur Sadar, Gazipur.**

**Other Factories: Consist Apparels Ltd. - Extension (Previously Work Field Fashion Wears) - 11763 & Consist Apparels Ltd. (previously Workfield Knitwears) - 12425**



**Inspected By: Md. Ferdaus Jaman**

**Date: 22 April 2024**

# Fire Safety Inspection Report

**Factory Name: Consist Apparels Ltd.-Extension 2 (previously Workfield Knitwears)**

## Introduction:

**Consist Apparels Ltd.-Extension 2 (previously Workfield Knitwears)** complex was surveyed for fire safety on **22/04/2024** 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): There are eight structures for this ID-25614, the structures are following:**

S/N	Building Number	Building Name	Type of construction	Year of construction	Date of Occupy	Date of Approval	Construction Period	Total Area (sqm)
1	Building-L	Building-L (Guest House): Two Storied RCC Building (G+1)	RCC	Jan'2015-Dec'2015	Dec'2015	Drawing Not Found	Interim	191.64
2	Building-H	Building-H (Security Room-1): Single Storied RCC Building	RCC	Jan'2012-Dec'2012	Dec'2012	Drawing Not Found	Existing	8.36
3	Building-K	Building-K (Security Room-2): Single Storied RCC Building	RCC	Jan'2012-Dec'2012	Dec'2012	Drawing Not Found	Existing	3.72
4	Building-I	Building-I (Check Post): Single Storied RCC Building	RCC	Jan'2012-Dec'2012	Dec'2012	Drawing Not Found	Existing	8.36
5	Building-G	Building-G (Finished goods & Leftover store): Single Storied Steel Structure	Steel	Jan'2015-Jun'2016	Aug'2016	Drawing Not Found	Interim	937.36
6	Building-M	Building-M (Driver Rest Room): Single storied Steel Structure	Steel	Jan'2015-Dec'2015	Dec'2015	Drawing Not Found	Interim	20.35
7	Building-O	Building-O (Pantry Room): Single storied Steel Structure	Steel	Jan'2015-Dec'2015	Dec'2015	Drawing Not Found	Interim	17.1
8	Building-N	Building-N (Wastage shed): Single storied Steel Structure	Steel	Jan'2015-Dec'2015	Dec'2015	Drawing Not Found	Interim	77.51
DIFE Approval date for all structures: 08-April-2023								

**Factory Address: Bawpara, Kaultia, Gazipur Sadar, Gazipur.**

**Points of contact:**

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## Findings & Recommendations :

Table 1 summarize 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 review.

**Table-1:**

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	<p><b>Building-G (Finished goods &amp; Leftover store)</b></p> <p>The main structural elements of factory buildings (G and/ or H2 or J2) are constructed by steel which is non-rated structure and were found in exposed condition without any fire protection. As per RSC Technical Guidelines (Standard) 1.5.4 this building is defined as an interim building so, fire protection shall be provided for the structural elements of the building following section 3.5.2 of RSC Technical Guidelines (Standard) V1.0.</p>	<p>For interim construction, the building shall be Type 1 or Type 2 construction as required in BNBC 2006 Part 3 Table 3.2.4. So, provide require rating for the structural elements of the building following BNBC 2006-Table 3.2.4, 3.1.9 and 3.3.1.</p> <p>Factory shall ensure that, all the design, datasheet, certificate, and the design-philosophy has been reviewed from the RSC prior to install the passive fire protection system.</p>	Within 6 months



F-2	Means of egress	<p style="text-align: center;"><b>For all structures</b></p> <p>Building did not have stair designation signs or occupant load signs at the required locations.</p>	<p>Provide stair designation signs and occupant load signs at the required locations.</p>	<p>Within 1 month</p>
F-3	Means of egress	<p style="text-align: center;"><b>Building-L (Guest House)</b></p> <p>Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation.</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>Within 3 months</p>



F-4	Means of egress	<p align="center"><b>Building-L (Guest House)</b></p> <p>Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.).</p>	<p>Provide parapets or guards with a minimum height of 1067mm (42 inch.).</p>	<p>Within 3 months</p>
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F-5	Egress Lighting (ITM)	<p style="text-align: center;"><b>For all structures</b></p> <p>Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The RSC Technical Guidelines (Standard).</p>	<p>Inspect, test and maintain the emergency lighting system in the accordance with The RSC Technical Guidelines (Standard) and keep written records on-site.</p>	<p>Within 1 month</p>
F-6	Fire Alarm & Detection system	<p style="text-align: center;"><b>For All Structures</b></p> <p>Automatic fire alarm and detection system installation complete which requires detailed review to confirm compliance with NFPA 72 and The RSC Technical Guidelines (Standard).</p>	<p>Submit the fire alarm system design to RSC for review. Once the design is reviewed, install and modify the fire detection and alarm system throughout the buildings in accordance with review comment, Accord/ RSC Technical Guidelines (Standard) and NFPA 72. After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing. Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with Table 14.3.1 of NFPA 72.</p>	<p>Design Review within 2 months and installation within 4 months</p>



F-7	Fire Alarm & Detection system (ITM)	<p style="text-align: center;"><b>For All Structures</b></p> <p>Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72 and and The RSC Technical Guidelines (Standard).</p>	<p>Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and The RSC Technical Guidelines (Standard) and keep written records on-site</p>	<p style="text-align: center;">Within 1 month (after installation)</p>
F-8	Fire Extinguishers (ITM)	<p style="text-align: center;"><b>For All Structures</b></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 The RSC Technical Guidelines (Standard).</p>	<p style="text-align: center;">Within 3 months</p>