

# **FIRE SAFETY INSPECTION REPORT**

## **Designtex Knitwear Ltd. (New Building)**

**Factory ID: 24177**

**Beraidarchala, Sreepur, Gazipur.**  
**(GPS: 24.193070N, 91.416069E )**

**Other Factories: Designtex Knitwear Ltd. (Factory ID: 23440)**



**Inspected By: Safawan Abyaz, Sadid Rahman**  
**Date: 10 June 2021**

# Fire Safety Inspection Report

Factory Name: Designtex Knitwear Ltd. (New Building)

## Summary:

Designtex Knitwear Ltd. (New Building) was surveyed for fire safety on 10 June 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 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 RSC for approval.

# Findings & Recommendations : Designtex Knitwear Ltd. (New Building)

| SI No. | Category                | Findings                                                                                                                                                                                                       | Required Action                                                                                                                                                         | Remediation Time Frame |
|--------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| F-1    | Fire Rated Construction | <p>The connecting bridge between Warehouse Building and Production Building are not separated by fire rated construction due to the unprotected exposures.</p> <p>Location - Warehouse Building, 1st Floor</p> | Separate the connecting bridge by minimum 2hr fire rated construction and the rating of the exterior wall shall extended 3.05m (10ft) beyond the ends of the structure. | Within 3 months        |
|        |                         |                                         |                                                                                                                                                                         |                        |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| F-2                                                                                                                                                                                                                                         | Fire Rated Construction | <p>Elevator Shafts is not provided with proper fire rated construction and opening protection. Shaft opening is in the exit stair.</p> <p>Location: Warehouse Building, Stair-1</p> | <p>In new construction, elevators shall not open into an exit enclosure [Accord Building Standard 6.14.3].</p> <p>Rearrange the facility to provide separate enclosure for lifts. If not possible anyway provide a minimum 2-hr fire- rated elevator shaft with listed fire rated landing door to separate from each floor level.</p> | Within 4 months |
| <div style="display: flex; justify-content: space-around;">   </div> |                         |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                       |                 |

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| F-3                                                                                 | Egress                             | Building did not have stair designation signs and occupant load signs at required locations on all floors                                                                                                                                                                                | Provide stair designation signs and occupant load signs at required locations.                                                                                                                                                                                                                                                                                                 | Within 1 month  |
| F-4                                                                                 | Fire Protection System (Standpipe) | The building with an occupiable floor greater than 10 m (33 ft) above the finished grade is protected with an standpipe system.<br>Fire pump, water supply & standpipe system installation requires detailed review to confirm compliance with NFPA 14, 20, 22, 25 and ACCORD standards. | Submit as built drawings, testing records, listing information and other relevant documentation to the RSC for review and approval, modification shall have to done as per the reviewed design (if required).<br>Upon approval & modification (if required) the factory shall inform RSC to conduct testing and commissioning verification of the system for final acceptance. | Within 4 months |
|  |                                    |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                |                 |



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| F-5                                                                                 | Inspection Testing and Maintenance of Standpipe System (ITM) | Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.                       | Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards (After installation).                                                                                                                                                                                                                                                                       | Within 4 months |
| F-6                                                                                 | Fire Alarm & Detection system                                | An addressable fire alarm & detection system has been found installed which is required to be reviewed and verified. | Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review, modification (if required) shall have to done as per the reviewed design and NFPA-72 with a listed Addressable Fire Alarm System.<br>Upon approval & modification (if required) the factory shall inform RSC to conduct testing and commissioning verification of the system for final acceptance. | Within 4 months |
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|-----|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| F-7 | Inspection Testing and Maintenance of Fire Alarm and Detection System (ITM) | 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. (After Installation) | Within 1 month after installation. |
| F-8 | Fire Alarm & Detection system                                               | The building is equipped with manual alarm station and single station smoke alarms alongside the automatic addressable system. | Remove the single station smoke alarms.                                                                                              | Within 4 months.                   |

