

# **FIRE SAFETY INSPECTION REPORT**

**Factory Name: Evitex Dress Shirt Ltd.**

**ACCORD ID: 23935**

**ADDRESS: Shirirchala, Bhabanipur, Joydevpur, Gazipur-1704, Bangladesh.**

**Other Factories: N/A**



Google Co-ordinate: 24.1698714, 90.4426245

**Inspected By: Md. Rafat Arefin, Md. Hasibur Rahman Abir, Meher Sultana Moitry**

**Date: January 22,2020**

## Fire Safety Inspection Report

**Factory Name:** Evitex Dress Shirt Ltd.

### Introduction:

**Evitex Dress Shirt Ltd.** complex was surveyed for fire safety on **21/01/2020** 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.

### 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 Accord 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

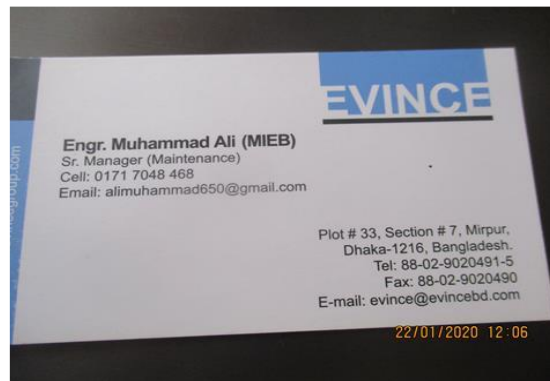
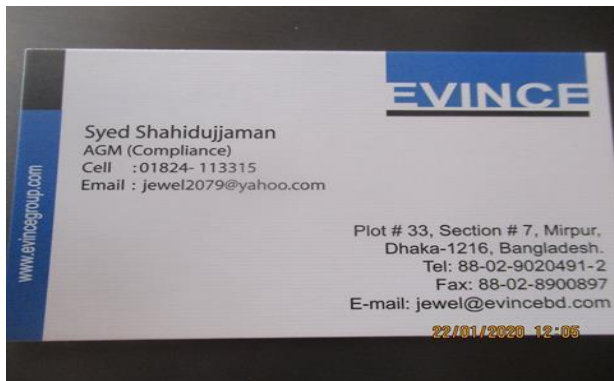
**Factory Building name(s):** Store and Dining Building  
Cutting Building  
Sewing Building  
Finishing Store Building  
Admin Building

**Factory Address:** Shirirchala, Bhabanipur, Joydevpur, Gazipur-1704, Bangladesh.

### Points of contact:

Name: Syed Shaidujjaman Jewel  
Designation: AGM Compliance  
Contact No: +8801824113315  
Email: jewel@evincebd.com

Name: Muhammad Ali  
Designation: Sr. Manager  
(Maintenance/Engineering)  
Contact No: +8801717048468  
Email: alimuhammad650@gmail.com



## Findings & Recommendations :

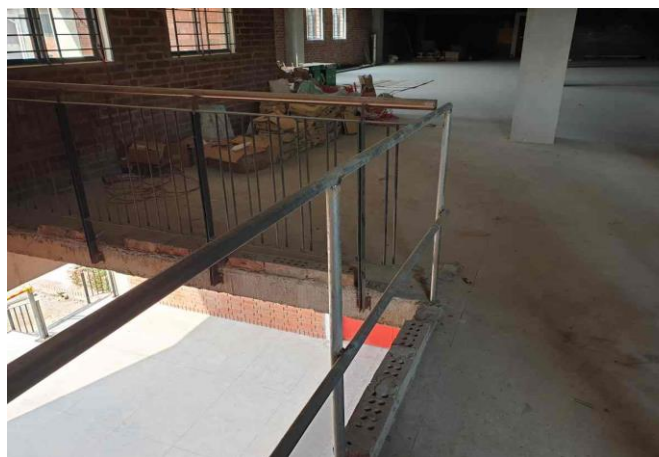
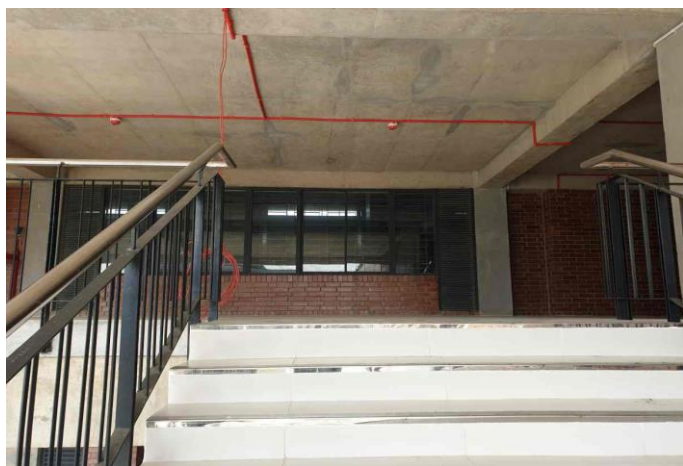
The following "Table" summarizes the major fire safety issues identified during the inspection.

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.

Table-1:

| Sl No. | Category                | Findings                                                                                                                    | Required Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Remediation Time Frame |
|--------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 1      | Fire rated construction | The exit stairs are not separated from production areas on each floor by fire-rated construction.<br><b>(All Buildings)</b> | Stair shall be enclosed with a minimum 1-hr fire-rated construction. Seal all unprotected openings and 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.<br><br>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. | <b>Within 3 months</b> |





|   |                                |                                                                                                             |                                                                                                                                                                                                                                                                                                                                  |                        |
|---|--------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 2 | <b>Fire rated construction</b> | Exit stair is discharge the occupants inside the building.<br><b>(Admin-(Office &amp; Sample) Building)</b> | <ol style="list-style-type: none"> <li>1. Modify stair to discharge directly outside.<br/>Or</li> <li>2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).<br/>Or</li> <li>3. Provide sprinkler protection for discharge floor in accordance with NFPA 13.</li> </ol> | <b>Within 3 months</b> |
|---|--------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|





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| 3 | <b>Fire rated construction</b> | The exterior exit stair is not separated from the building.<br><b>(Sewing Building)</b> | <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> | <b>Within 3 months</b> |
|---|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|





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|---|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 4 | <b>Fire rated construction</b> | Exit passageway is not separated by fire rated construction.<br><b>(Between Finishin Store and Sewing Building at ground floor)</b> | Separate the exit passageway (ceiling, floor, wall etc.) by 1- hr fire-resistance rated construction and shall terminate at an exit discharge. | <b>Within 3 months</b> |
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|   |        |                                                                                                 |                                                                                                                                                           |                        |
|---|--------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 5 | Egress | Exits are not remotely located from each other.<br><b>(1st Floor, Finishing Store Building)</b> | <p>Modify exit arrangement<br/>or<br/>Provide additional exit(s)<br/>or<br/>Provide automatic sprinkler system throughout the building as per NFPA 13</p> | <b>Within 3 months</b> |
|---|--------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|







|   |        |                                                                                                                                                               |                                                                                                                       |                        |
|---|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------|
| 6 | Egress | Evacuation Plan, Occupant load sign and stair designation is not posted at the exit stair at all level.<br><b>(Sewing, Cutting, Finishing Store Building)</b> | Evacuation Plan, Occupant load sign and stair designation shall be posted at the entrance to exit stair at all level. | <b>Within 3 months</b> |
|---|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------|



|   |                 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                    |                        |
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| 7 | Egress Lighting | Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.<br><b>(Unoccupied floors <u>(1st Floor)</u> at Finishing Store, Cutting and Sewing Building)</b> | 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.                       | <b>Within 3 months</b> |
| 8 | Egress Lighting | Exit sign not provided at exit.<br><b>(Unoccupied floors <u>(1st Floor)</u> at Finishing Store, Cutting and Sewing Building)</b>                                                                                                      | Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious.<br>Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated. | <b>Within 3 months</b> |





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| 9  | <b>Egress Lighting</b>            | Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.                                                                                                                                                                                                                                   | Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.                          | <b>Within 3 months</b> |
| 10 | <b>Structural Fire Protection</b> | The 2 story cutting, sewing buildings are RCC structure, where the ground floor has RCC frame structure, However on 1st floor, the Roof is Steel Portal frame for which Steel columns are resting on RCC columns that has been extended from Ground floor. Factory shall confirm the structure is consistent with the BNBC requirement of Type-I or Type II structure. | Construction of new non-high-rise factories containing G and/or H2 occupancies (factories) shall be Type 1 or Type 2 construction as required in BNBC Part 2 Table 3.2.4. | <b>Within 3 months</b> |





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| 11 | <b>Fire Protection</b> | Fire alarm system installation is ongoing,<br>However the working drawing has not been<br>reviewed by any AHJ. | Provide the drawing to ACCORD/AHJ for review<br>And<br>Install the fire alarm system in accordance with NFPA<br>72. | <b>Drawing Submission<br/>within 2 months<br/>System installation within<br/>6 months</b> |
|----|------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|



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|----|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 12 | <b>Fire Protection ITM</b> | Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard. | Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard. | Within 9 months |
|----|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|

