

# FIRE SAFETY INSPECTION REPORT

**Mimo Cotton Zone Textile Ltd.**

**ACCORD ID: 23527**

**Sayatol Market, Surabari, Kashimpur, Gazipur**

**OTHER FACTORY (S): NONE**



**Inspected By: Mohd Atick Al Zaman**

**Date: 13 November, 2018**

# **Fire Safety Inspection Report**

**Mimo Cotton Zone Textile Ltd.**

## **Introduction:**

ACCORD ID: 23527

Mimo Cotton Zone Textile Ltd was surveyed for fire safety on 13th November 2018 by The Accord Inspection Team. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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.

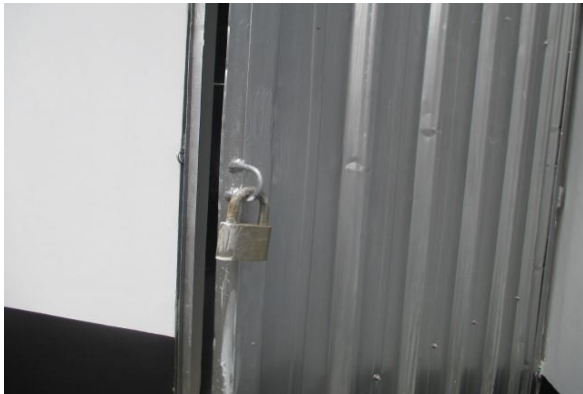
## Findings & Recommendations :

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.

| SI No. | Category                | Findings                                                                                                                                                                                     | Required Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Remediation Time Frame |
|--------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 1      | Fire Rated Construction | The exit stairs enclosures are not separated from work areas and other spaces on each floor by fire-rated construction(Non rated doors, unsealed penetrations and openings etc.) Building-2. | Provide minimum 1-hr rated doors for buildings with 3 or fewer stories and 1.5-hr fire rated doors for buildings that are 4 or more stories. Seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. 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. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets. | Within 3 months        |



|                                                                                      |                                 |                                                                                                                                                                                  |                                                                                                                                                             |                                                 |
|--------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 2                                                                                    | Fire Detection and Alarm System | The fire alarm system does not appear to provide adequate audible notification coverage.                                                                                         | Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.                   | Design within 4 months, Install within 9 months |
| 3                                                                                    | Single Station Smoke Alarm      | The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants. | Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72. | Within 3 months                                 |
|  |                                 |                                                                                                                                                                                  |                                                                                                                                                             |                                                 |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 4                                                                                                                                                                                                                                                                | Locking system of egress doors | Doors along means of egress are provided with non compliant locking system. Location: Dinning area. | <ol style="list-style-type: none"> <li>1. Remove all non compliant locking features from egress doors.</li> <li>2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</li> <li>3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons.</li> <li>4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.</li> </ol> | Immediate       |
| <div style="display: flex; justify-content: space-around; align-items: center;">   </div> |                                |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |
| 5                                                                                                                                                                                                                                                                | Fire Rated Construction        | West exit stair is discharge the occupants inside the building on ground floor.                     | <ol style="list-style-type: none"> <li>1. Modify stair to discharge directly outside.<br/>Or</li> <li>2. Provide 1-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>                                                                                                                                                                                                                                  | Within 3 months |



|   |               |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |
|---|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 6 | Storage Areas | Areas used for combustible storage are not separated by fire-rated construction | <p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> <li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m</p> | Within 3 months |
|---|---------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|



|   |               |                                                                                                                             |                                                                                    |                 |
|---|---------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|
| 7 | Storage Areas | Rooms used for combustible storage on the ground floor are not separated by fire-rated construction. Location: ground floor | Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. | Within 3 months |
|---|---------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|



|   |            |                                                                   |                                                                                                          |                 |
|---|------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------|
| 8 | Guard rail | The occupiable roof was not provided with an adequate guard rail. | All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm (42 in.) | Within 3 months |
|---|------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------|



|   |                              |                                                                             |                                                                                                                                  |                |
|---|------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------|
| 9 | Non-Working Emergency Lights | Emergency lights not illuminated during testing (burned out, broken, etc.). | Regularly inspect all emergency lighting system as per Accord standard and replace/install lights as needed to illuminate signs. | Within 1 month |
|---|------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------|



|    |                      |                                                                               |                                                                                                                     |                |
|----|----------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------|
| 10 | Manual On/Off Switch | Manual on-off switch is provided for emergency lighting / exit signage units. | Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off. | Within 1 month |
|----|----------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------|



|    |                                      |                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                              |                                                  |
|----|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 11 | Egress Lighting                      | Based on the number and location of emergency lights/exit signs observed, adequate illumination levels are not anticipated along egress routes.<br><b>Location:</b> All through the building. | 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. | Within 1 month                                   |
| 12 | Inspection, testing, and maintenance | 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.                                                                                                                                                             | Within 3 months                                  |
| 13 | Fire Detection and Alarm System-ITM  | Inspection, testing, and maintenance (ITM) for the fire detection system is not in accordance with NFPA 72.                                                                                   | Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.                                                                                                                                                                                          | Within 3 months<br>(After complete installation) |
| 14 | Fire Extinguishers (ITM)             | Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.                                                                                         | Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and ACCORD standards.                                                                                                                                                                 | Within 3 months                                  |
| 15 | Storage in Exit Stair                | Storage was located in the exit stair.                                                                                                                                                        | Remove all storage from exit stairs.                                                                                                                                                                                                                                                                         | Within 1 month                                   |



|    |                   |                                                                                              |                                                                                                                                                                                                                                                                                                                                               |                |
|----|-------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 16 | Exit Sign         | Exit sign not provided at exit.<br>Location: 1st floor office area                           | <p>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.</p> <p>Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p> | Within 1 month |
| 17 | Stair designation | Building did not have stair designation signs and occupant load signs at required locations. | Provide stair designation signs and occupant load signs at required locations.                                                                                                                                                                                                                                                                | Within 1 month |