# INITIAL FIRE ASSESSMENT REPORT (FAR)

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| Factory Name: | **Centex Textile and Apparels Limited** |
| Address: | **CB 203/3, Kachukhet Puran Bazar Dhaka Cantonment Dhaka Dhaka Bangladesh** |
| Assessor: | **Sumerra** |
| Date: | **01 Apr 2014** |

## Introduction to the Report

The following report contains a site profile and summary of non-conformities identified during an onsite assessment commissioned by the Alliance for Bangladesh Worker Safety (Alliance) and conducted by a third-party Qualified Assessment Firm (QAF). The assessment was conducted against the Alliance for Bangladesh Worker Safety Assessment Protocols (APs) and Fire Safety and Structural Integrity Standard, which is harmonized with the factory assessment guidelines developed by Bangladesh University of Engineering and Technology (BUET) for the Bangladesh National Tripartite Plan of Action (NTPA). The goal of the Alliance process is to provide clear and practical technical requirements by which Bangladeshi Ready Made Garment (RMG) Factories producing for Alliance members may be consistently and fairly evaluated for fire, structural, and electrical safety in a non-duplicative manner. Each assessment will prompt action plans that will be used by RMG factories to systematically and sustainably improve safety conditions for garment workers. Beyond tracking and reporting on action steps taken in a transparent manner, the Alliance organization and its members will seek to further support factory improvements through technical assistance, training, implementation support for functional Worker Committees, and in some cases financial assistance and wage support for workers if factories are closed for remediation.

The contents of the report do not constitute a guarantee of compliance with the applicable laws, the Alliance Standard or the absolute or continued safety against fire, electrical and/or structural integrity issues that may lead to injury or loss of life. The report is designed to provide a non-exhaustive summary of risk issues, based on a limited sampling and duration of time onsite by the named QAF. Neither the QAF nor the Alliance can certify or guarantee the quality, outcome, or effectiveness of actions taken in response to the report.

For more information and report feedback please go to: www.bangladeshworkersafety.org.

# GENERAL INFORMATION

| General Information | |
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| Factory Name: | Centex Textile and Apparels Limited |
| Address: | CB 203/3, Kachukhet Puran Bazar Dhaka Cantonment Dhaka Dhaka Bangladesh |
| Country: | Bangladesh |
| Province: | Dhaka |
| City: | Dhaka |
| Zip Code: | 1206 |
| Audit Duration: | 2 Days |
| Re-Audit: | Re-Audit After 0 Months |
| Draft Report Date: | April 21, 2014 |
| Final Report Date: | |
| Are all Action Items From Previous Assessment Completed?: | N/A |
| Buildings in Complex: | Main Building (2 parts A/B) |
| Is the building(s) owned or rented by the Factory: | |
| Number of Building Levels (Stories): | Part A - 6 Storied with basement and 1 tin shade on roof top Part B - 7 Storied |
| Approximate Building Area (SF): | Part A ( 6 storied with 1 basement) = 5260 sft X 6 + 4800 = 36,360 sft Part B ( 7 storied ) = 10,700 sft X 7 = 74,900 sft Total area =111,260 sft |
| Date of Building Construction: | Part A: 2004 -2005 Extension (Part B): 2011 |
| Date of Last Building Renovation/Addition: | Extension (Part B): 2011 |
| Ancillary Structures in Complex: | NA |
| Approximate Ancillary Structures Area (SF): | NA |
| Number of Occupants: | 1920 |

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| Number of Ancillary Levels (Stories): | NA |

# ASSESSMENT FINDINGS

| Fire Protection Construction | | |
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| Question: | Are exit enclosures provided with fire-resistive rated construction barriers? | |
| Priority Level: | High | |
| Non-Compliance Level: | 3 | |
| Description: | No exit enclosure are protected by fire rated door assemblies as per Alliance Standards Part 4 Section 4.5 Separation | |
| Source of Findings: | Visual Assessment: Fire rated door assemblies not observed at exit enclosures. | |
| Suggested Plan of Action: | Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels in building (Part A & B). 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. Fire doors assemblies shall conform to NFPA 252, BS 476 Part 22, EN 1364-1, GB 12955-2008, or IS 3614 Part II. Retain the services of qualified fire engineer to assist in specifying and installing fire rated assemblies. | |
| Suggested Deadline Date: | 11 Jul 2014 | |
| Standard: | Reference Alliance Standards Part 4 Section 4.5 Separation | |
| Question: | Are openings and penetrations through rated walls and/or assemblies protected? |  |
| Priority Level: | High | |
| Non-Compliance Level: | 2 | |
| Description: | Buildings and structures shall be separated from other buildings in accordance with BNBC Part 3 Table 3.2.2 and BNBC Part 3 Section 2.4.1.3. According to this standard the existing building should have fire rated window assemblies (3-hour) on the wall adjacent to the next door building. | |
| Source of Findings: | Photograph: Photo of building separation | |
| Suggested Plan of Action: | Install fire rated window assemblies (3-hour) on the wall adjacent to the next door building in consultation with a qualified fire engineer. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations | |

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| Question: | Are separations between hazards provided with fire-resistive rated construction barriers. |
| Priority Level: | Medium |
| Non-Compliance Level: | 3 |
| Description: | Substation room is not physically separated from remainder of building. Substation room is located at ground floor (South side) in the factory building. Boiler room is not separated by fire rating as per Alliance Standards Part 4 Section 4.5 Separation Generator room is not separated from remainder of building by fire rated walls and sealed / fire rated penetrations as required,as per Alliance Standards Part 10 Section 10.8.4 Generator Room. Dining area (occupancy E4) is not separated from storage (occupancy H2). |
| Source of Findings: | Photograph: Photos of dining/storage area Photo of substation room |
| Suggested Plan of Action: | Engage a fire engineer to design the proper fire rated enclosures below: Substation room should be segragated from other occupancies by a minimum fire rating of two hours. All penetrations must be sealed to retain fire rating of enclosure. Generator sets shall be separated from all other occupancy areas by a minimum 2 hour construction. Boiler rooms shall be separated from all other occupancies by by a minimum 1 hour fire rated construction. Storage areas should be separated from other occupancy (dining area) with a minimum 1 hour construction (unless the floor is provided with automatic sprinkler protection in accordance with Section 5.3 or meeting the requirements of 3.4.2.1.6) |
| Suggested Deadline Date: | 26 Sep 2014 |
| Standard: | Reference Alliance Standards Part 4 Section 4.5 Separation |

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| Question: | Certificates of Occupancy for each building have been issued and are on file. |
| Priority Level: | Low |
| Non-Compliance Level: | |
| Description: | |
| Source of Findings: | |
| Suggested Plan of Action: | |
| Suggested Deadline Date: | |
| Standard: | Are certificates of occupancy provided for each building or ancillary structure? |
| Question: | Occupancy Type |
| Priority Level: | |
| Non-Compliance Level: | |

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| Description: | | |
| Source of Findings: | | |
| Suggested Plan of Action: | | |
| Suggested Deadline Date: | | |
| Standard: | Provide Occupancy Type for each building and structure. Reference Alliance Standards Part 3 Use and Occupancy | |
| Question: | Construction Type | |
| Priority Level: | | |
| Non-Compliance Level: | | |
| Description: | | |
| Source of Findings: | | |
| Suggested Plan of Action: | | |
| Suggested Deadline Date: | | |
| Standard: | Provide construction type for each building and ancillary structure. Reference Alliance Standards Table 3.3.1 | |
| Question: | Height of Highest Occupied Floor Level Above Grade | |
| Priority Level: | | |
| Non-Compliance Level: | | |
| Description: | | |
| Source of Findings: | | |
| Suggested Plan of Action: | | |
| Suggested Deadline Date: | | |
| Standard: | Provide maximum height of highest occupied floor level above grade for each type of building and ancillary structure. | |
| **Fire Protection Systems** | | |
| Question: | Does the building have a Standpipe System? | |
| Priority Level: | High | |

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| Non-Compliance Level: | 3 |
| Description: | Factory has a hose system with roof mounted gravity tank. Class II connections only are provided on each floor. Class I standpipe hose connections (65 mm) are not provide in all required stairwells at each floor level including occupiable roofs as per Alliance standard 5.4.4. Currently installed system is also unlikely (unconfrimed) to meet pressure requirements as per Alliance Standard 5.4.3. |
| Source of Findings: | Visual Assessment: No class I connections observed. |
| Suggested Plan of Action: | Install a standpipe system at required locations designed by a qualified fire protection engineer. Installation of new standpipe systems shall be required to provide shop drawings and hydraulic calculations as outlined in NFPA 14. These drawings shall include all details as outlined in NFPA 14. |
| Suggested Deadline Date: | 11 Jul 2014 |
| Standard: | Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2 |
| Question: | Does the building have a fire pump? |
| Priority Level: | High |
| Non-Compliance Level: | 3 |
| Description: | They do not have automatic fire pump. They have only manual electric pump for lifting and refilling overhead tank from deep tube well to provide water supply of fire hose system. |
| Source of Findings: | Visual Assessment: No automatic fire pump observed. |
| Suggested Plan of Action: | Installation of approved standpipe will require the installation of rated fire pump. Install the fire pumps in accordance with NFPA 20. Consult with a qualified fire engineer to properly design and install pump system. |
| Suggested Deadline Date: | 26 Sep 2014 |
| Standard: | Alliance Standard Part 5 Fire Protection Systems |
| Question: | Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type? |
| Priority Level: | High |
| Non-Compliance Level: | 3 |
| Description: | The factory has only a manual alarm system with single point smoke detectors installed (smoke detectors were also observed blocked by improperly stacked materials). Each floor only has a single manual pull station. |
| Source of Findings: | Visual Assessment: Manual alarm system with single point smoke detectors |

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| | observed. | |
| Suggested Plan of Action: | An automatic fire alarm and detection system shall be provided throughout all existing moderate hazard industrial occupancies per Alliance Standard 5.7.3.6. Replace the single-station smoke alarms with automatic smoke detectors tied into an automatic fire alarm system located in accordance with NFPA 72. Configure the fire alarm system to initiate occupant notification upon activation of any smoke detectors in addition to the manual fire alarm stations. Detectors should be placed in accordance with requirements of NFPA. Manual pull stations should be located near all exits (see NFPA 72 for further guidance). Automatic detection and alarm system should be coordinated with a licensed fire protection engineer and installed by qualified fire alarm contractor. | |
| Suggested Deadline Date: | 11 Jul 2014 | |
| Standard: | Pull stations at egress points, smoke detectors in air handling equipment, visual and audible devices spaced appropriately based on occupancy type. Reference NFPA 72 | |
| Question: | Are fire department connections provided and clearly identified for the Fire Protection Systems? | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | Fire department connections are not provided as per Alliance Standard Part 5 Section 5.5.4 Fire Department Connections (no Siamese inlets and no Class I hose attachments) | |
| Source of Findings: | Visual Assessment: Fire department connections not observed. | |
| Suggested Plan of Action: | Install Fire department (Siamese) inlet connections in the current (or newly installed) standpipe system to allow fire department pumper equipment to supplement the fire protection systems. Fire department outlet connections shall be provided to allow fire department pumper vehicles to draw water from ground-level or underground water storage tanks. Connections shall match the Fire Service and Civil Defence hose thread standard. As noted elsewhere, standpipe system should include Class I standpipe hose connections (65 mm) shall be located in all required stairwells. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standard Part 5 Section 5.5.4 Fire Department Connections | |
| Question: | Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense? | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | The fire alarm and detection system is not monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense as per Alliance Standard Part 5 Section 5.7.5 Monitoring. System is manual | |

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| | alarm system that is not actively monitored. |
| Source of Findings: | Visual Assessment: No automatic fire detection system observed. |
| Suggested Plan of Action: | As noted elsewhere, factory should install automatic fire detection system. Arrange for direct connection of the fire alarm and detection system to a central station monitoring service or the Fire Service and Civil Defense as per Alliance Standard Part 5 Section 5.7.5 Monitoring. Until that time that a central station monitoring service or direct connection to the Fire Service and Civil Defence can be set up, a person shall be assigned to contact the fire department in the event of fire alarm activation. An annunciator shall be located in a constantly attended location to alert this person. |
| Suggested Deadline Date: | 11 Jul 2014 |
| Standard: | Alliance Standard Part 5 Section 5.7.5 Monitoring |
| Question: | Standpipe system piping is free of mechanical damage, leakage, and corrosion? |
| Priority Level: | Medium |
| Non-Compliance Level: | 2 |
| Description: | Some hose reels indicated technical fault (leakage, inoperable) during operation. Additionally, Supply pipe for hose rail (on roof, from tank) was partially rusted from outside and requires maintenance. |
| Source of Findings: | Photograph: Photo of rusting pipe |
| Suggested Plan of Action: | Repair or replace rust damaged piping at the noted locations. Repairs and replacements must comply with NFPA 14 and NFPA 25 (installation of compliant standpipe system is noted elsewhere). Also assure all existing hose reel equipment is in good working order. |
| Suggested Deadline Date: | 26 Sep 2014 |
| Standard: | NFPA 25 Chapter 6 Standpipe and Hose Systems |
| Question: | Are inspection, maintenance, and testing procedures of the standpipe and hose system documented and up to date? Including inspection and testing of hoses if provided. |
| Priority Level: | Low |
| Non-Compliance Level: | 3 |
| Description: | As noted elsewhere, factory does not have compliance standpipe system. The current system has not not been evaluated for compliance with the design pressure and flow demands of NFPA 14 or BNBC as per Alliance Standard 5.4.3. |
| Source of Findings: | Document Review: No records of testing available. |

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| Suggested Plan of Action: | Following installation of required standpipe systems, the standpipe system needs to be evaluated for compliance with the design pressure and flow demands of NFPA 14 or BNBC as cited in 5.4.3. Standalone standpipe systems shall be confirmed to meet the local BNBC requirements with a minimum 450 kPa (65 psi) pressure at the hydraulically most remote hose connection or NFPA 14. This testing should be documented and available for review. | |
| Suggested Deadline Date: | 11 Jul 2014 | |
| Standard: | Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2 | |
| Question: | Is signage for the standpipe system installed at required locations and on required components? | |
| Priority Level: | Low | |
| Non-Compliance Level: | 3 | |
| Description: | Current standpipe system does not meet signage requirements of NFPA 14 Chapter 6 (no signage was observed). | |
| Source of Findings: | Visual Assessment: No signage for standpipe system | |
| Suggested Plan of Action: | Assure signage and labeling for all standpipe system components as per NFPA 14 Chapter 6. Including: identification of all valves with indication of what service they control, valve cabinets should be marked to include their contents, signs indicating the hydraulic design (e.g. location of most remote hose connections, design flow rate, inlet and outlet pressure, and design static pressure). | |
| Suggested Deadline Date: | 11 Jul 2014 | |
| Standard: | Reference NFPA 14 Chapter 6 | |
| **Means of Egress** | | |
| Question: | Doors are not locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices have been removed where required. | |
| Priority Level: | High | |
| Non-Compliance Level: | 3 | |
| Description: | All doors are iron collapsible with locking mechanisms (no locked doors were observed, but they are locked during non-business hours). | |
| Source of Findings: | Visual Assessment: All doors are iron collapsible with locking mechanisms. | |
| Suggested Plan of Action: | Remove all locking devices form all doors to exits / means of egress. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. | |

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| Suggested Deadline Date: | 13 Jun 2014 | |
| Standard: | Alliance Standards Part 6 Section 6.8 Doors and Gates | |
| Question: | All doors in a means of egress are of the side-hinged swinging type. | |
| Priority Level: | High | |
| Non-Compliance Level: | 3 | |
| Description: | All exit doors are iron gate collapsible doors in violation of Alliance Standards Part 6 Section 6.8 Doors and Gates. | |
| Source of Findings: | Visual Assessment: All exit doors are iron gate collapsible doors. | |
| Suggested Plan of Action: | Remove all collapsible at the exit stairs and along all portions of the means of egress. Replace with side-hinged swinging type doors in compliance with Standard (see other actions regarding fire rated door assemblies). | |
| Suggested Deadline Date: | 13 Jun 2014 | |
| Standard: | Alliance Standards Part 6 Section 6.8 Doors and Gates | |
| Question: | Aisles are provided with the minimum unobstructed clear width of 0.9 m (36 in) based on occupant loads. |  |
| Priority Level: | High | |
| Non-Compliance Level: | 2 | |
| Description: | On sewing floors, exterior wall aisle ways do not have an unobstructed clear width of 36 in (for example, one path was 24 in and reduced to 16 in by column, see photo). | |
| Source of Findings: | Photograph: Photo of constricted aisle width. | |
| Suggested Plan of Action: | Rearrange areas to provide a minimum clear width of 36 in for all egress paths. Some areas may require wider paths based on occupant load. | |
| Suggested Deadline Date: | 11 Jul 2014 | |
| Standard: | Higher occupancy loads will require a greater width to accommodate the increased load. Alliance Standard Part 6 Section 6.5 Egress Width | |
| Question: | The path of egress along the means of egress is not reduced at any point along the path of travel and is sufficient for the occupant load. |  |
| Priority Level: | High | |
| Non-Compliance Level: | 2 | |
| Description: | The connecting stair between new and old construction results in a reduced of the size of path of egress (continuing stair to discharge is half the size of | |

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| | adjoining stair connection, see photo). | |
| Source of Findings: | Photograph: Photo of combination of stairs | |
| Suggested Plan of Action: | Consulted with qualified engineer regarding exit stair configuration. The egress route should not be reduced along the path of travel as this will cause a potential bottle neck. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standard Part 6 Section 6.5 Egress Width and BNBC Table 4.3.2 | |
| Question: | Exit access corridors serving an occupant load exceeding 30 are separated by walls having a fire-resistance rating of 1 hr. |  |
| Priority Level: | High | |
| Non-Compliance Level: | 1 | |
| Description: | Second floor exit corridor is not separated by wall having a fire resistance rating of 1 hr as per Alliance Standard Part 6 Section 6.3 and Part 4 Section 4.5. | |
| Source of Findings: | Photograph: Photo of second floor exit corridor | |
| Suggested Plan of Action: | Provide fire-resistive rated assemblies at the exit access corridors on second floor. The rated assembly should be approved and/or designed by a qualified fire protection engineer. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standard Part 6 Section 6.3 and Part 4 Section 4.5. Does not apply if an automatic sprinkler system is installed throughout the building. | |
| Question: | Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress. | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | No loads are posted as per Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load | |
| Source of Findings: | Visual Assessment: No max. occupant load postings observed. | |
| Suggested Plan of Action: | Post maximum occupant load for all areas (near exit) | |
| Suggested Deadline Date: | 16 May 2014 | |
| Standard: | Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load | |

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| Question: | All paths of egress are provided with compliant means of illumination. |   |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | No emergency lights were installed on egress paths such as exit stairs and corridors. | |
| Source of Findings: | Photograph: Photo of lack of emergency lighting | |
| Suggested Plan of Action: | Install emergency lighting at all paths of egress such as exit stairs and corridors. Confirm through testing (light meter) or other certification that means of egress will have illumination of 10 lux for all corridors, exit doors, and stairways and no less than 30 min in the event of failure of normal lighting. | |
| Suggested Deadline Date: | 16 May 2014 | |
| Standard: | Alliance Standards Part 6 Section 6.7 Egress Illumination and Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape | |
| Question: | Handrails are provided on both sides of each stairway. Intermediate handrails are provided when the stair width exceeds 2.2 m (87 in.). Handrails are not mounted lower than 760 mm (30 in.) or higher than 1100 mm (44 in.). | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | For both exit stairs handrails were only provided on one side of the stairs. | |
| Source of Findings: | Visual Assessment: Handrails not observed on both sides of stairs. | |
| Suggested Plan of Action: | Handrails shall be provided on both sides of each exit stairway. 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. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards | |
| Question: | Every door in a stair enclosure serving more than 5 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1. | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | Re-entry requirements have not been met per Alliance Standards Part 6 Section 6.8.3.1 as fire rated door assemblies with proper latching systems have not been installed. As noted in other areas, fire rated door assemblies are required for the exit enclosure. | |

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| Source of Findings: | Visual Assessment: Fire rated door assemblies with re-entry not observed at exit enclosure. | |
| Suggested Plan of Action: | During installation of fire rated door assemblies assure that every door in a stair enclosure serving more than 4 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1. | |
| Suggested Deadline Date: | 11 Jul 2014 | |
| Standard: | Alliance Standards Part 6 Section 6.8 Doors and Gates | |
| Question: | Changes in elevation of walking surfaces do not exceed 6.35 mm (1/4 in) unless provided with a beveled slope of 1 in 2 that does not exceed 12.7 mm (1/2 in). |  |
| Priority Level: | Medium | |
| Non-Compliance Level: | 1 | |
| Description: | Roof top exit sliding iron door has an 8 inch tall barrier. Since the rooftop is accessible and contains more than just mechanical equipment (use for storage) and therefore considered occupied, then exits should not have a change in elevation exceed in 1/4 in. as per Alliance Standard Part 6 Section 6.3.4 Walking Surfaces. | |
| Source of Findings: | Photograph: Photo of rooftop exit. | |
| Suggested Plan of Action: | Remove obstruction in walking surface of rooftop exit. Alternatively, making the rooftop an unoccupied space would relieve the necessity to remove the obstruction. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standard Part 6 Section 6.3.4 Walking Surfaces | |
| **Fire Safety Programs** | | |
| Question: | Are the required number of people trained and certified in fire fighting, first aid, and rescue training by the appropriate authority. | |
| Priority Level: | High | |
| Non-Compliance Level: | 2 | |
| Description: | The factory claims that they have sufficient people trained and certified in fire fighting. However, the trained personnel were not found at the factory, and those interviewed regarding fire fighting training did not appear to fully understand their role. | |
| Source of Findings: | Worker Interviews: Workers interviewed regarding fire fighting training did not appear to fully understand their role | |
| Suggested Plan of Action: | Assure that sufficient employees are trained and certified in fire fighting, first aid, and rescue training by Fire & Civil Defense or other authority. Training | |

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| | certificates should be provided for review. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standard Part 13 Human Element Programs | |
| Question: | Emergency egress maps are posted at the entrance to each exit stair or main point of egress. | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | Emergency maps were posted however, posted plans do not reflect the current floor plans and aisle layout. | |
| Source of Findings: | Visual Assessment: Emergency maps do not reflect the current floor plans and aisle layout. | |
| Suggested Plan of Action: | Create and post revised evacuation plans that accurately reflect the current floor plans and layout. When developing new diagrams, Sumerra recommends following the ASTM E2238 - 12 Standard Guide for Evacuation Route Diagrams. It is also recommended that Master copies of plans should be kept on file as part of your emergency action plan. Plans should be reviewed at least annually and revised as necessary. | |
| Suggested Deadline Date: | 09 May 2014 | |
| Standard: | Alliance Standards Part 13 Section 13.4 Evacuation Plan | |
| Question: | Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum. | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 3 | |
| Description: | The factory does not have a fire safety director or fire safety committee and has not fully implemented and documented the Alliance Safety Training Curriculum as per Alliance Standards Part 13. | |
| Source of Findings: | Worker Interviews: Factory confirms they don't have fire safety director or fire safety committee and has not fully implemented and documented the Alliance Safety Training Curriculum | |
| Suggested Plan of Action: | Establish a fire safety director (mentioned elsewhere) who will be in charge of implementing the Alliance Safety Training Curriculum. Create a tracking and documentation system that allows the factory to identify who has received training and who needs initial or refresher training. | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standards Part 13 | |

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| Question: | Storage areas underneath the cutting tables are clear of combustibles. | |
| Priority Level: | Medium | |
| Non-Compliance Level: | 2 | |
| Description: | Combustible materials were observed under all cutting tables. | |
| Source of Findings: | Visual Assessment: Combustible materials were observed under all cutting tables. | |
| Suggested Plan of Action: | Storage underneath the cutting tables shall be kept clear of combustibles at all time as per Alliance Standard Part 17 Section 13.7.2 Cutting tables. | |
| Suggested Deadline Date: | 16 May 2014 | |
| Standard: | Alliance Standard Part 17 Section 13.7.2 Cutting tables. | |
| Question: | Chemicals and other flammable materials are stored within approved enclosures. |  |
| Priority Level: | Medium | |
| Non-Compliance Level: | 1 | |
| Description: | Factory does not use a large quantity of flammable chemicals, however, flammable chemicals such as paint thinner were observed stored in roof top area along with combustibles. | |
| Source of Findings: | Photograph: Photo of paint thinner stored in roof top temporary building | |
| Suggested Plan of Action: | Store flammable chemicals such as paint thinners in designated area away from combustible materials. If the amount of thinner exceeds 25 gallons total, it should be kept in a flammables cabinet or room with sufficient fire rated construction. | |
| Suggested Deadline Date: | 02 May 2014 | |
| Standard: | | |
| Question: | Are there additional areas of non-compliance to report? | |
| Priority Level: | Medium | |
| Non-Compliance Level: | | |
| Description: | | |
| Source of Findings: | | |
| Suggested Plan of Action: | | |
| Suggested Deadline | | |

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| Date: | | |
| Standard: | Not Applicable | |
| Question: | A Fire Safety Director position has been filled. | |
| Priority Level: | Low | |
| Non-Compliance Level: | 3 | |
| Description: | At present, they do not have a fire safety committee. Compliance department look after their fire safety. No fire safety officer or fire safety facilitator is appointed in the factory. | |
| Source of Findings: | Worker Interviews: Factory confirms that they don't have Fire Safety Director position | |
| Suggested Plan of Action: | Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties as per Alliance Standards Part 13 Section 13.1 Fire Safety Director | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standards Part 13 Section 13.1 Fire Safety Director | |
| Question: | A hot-work permit program has been established. | |
| Priority Level: | Low | |
| Non-Compliance Level: | 3 | |
| Description: | Factory reports that they do not regularly conduct hot work. Therefore they do not believe that they need a hot work permitting system as per Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B | |
| Source of Findings: | Document Review: No hot work program available for review. | |
| Suggested Plan of Action: | Although the factory may not regularly conduct any hot work operations, it is expected that contractors conducting construction or other work on the building may from time to time conduct hot work on the premises. Therefore, it would be good practice for the factory to develop a written hot work permit program. The program must comply with the requirements of NFPA 51B. Develop a maintenance and contractor safety policy that includes procedures for conducting hot work (e.g. welding). All hot work should be conducted with a proper permit and precautions must be available in case of fire (e.g. fire watch, fire extinguisher, etc.) | |
| Suggested Deadline Date: | 26 Sep 2014 | |
| Standard: | Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B | |