INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name:	**Brandix Casual Wear Ltd**
Address:	**Plot No 61-71+85 Comilla EPZ Comilla Chittagong Bangladesh**
Assessor:	**Bureau Veritas**
Date:	**07 Jun 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	
Factory Name:	Brandix Casual Wear Ltd
Address:	Plot No 61-71+85 Comilla EPZ Comilla Chittagong Bangladesh
Country:	Bangladesh
Province:	Chittagong
City:	Comilla
Zip Code:	1216
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	06-08-2014
Final Report Date:	06-30-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 12 buildings in the factory premises out of which two are main production buildings and ten are ancillary buildings. The buildings are named as: 1) Single story prefab shed-1 (main production building), 2) Single story prefab shed-2 (production building), 3) Two story RCC cafeteria (canteen) building with prefab roof, 4) Two story RCC machine yard and prayer building with prefab roof, 5) Single story RCC medical building, 6) Single story RCC generator building, 7) Three story RCC ETP building, 8) Single story prefab garbage shed, 9) Single story prefab pump room, 10) Single story prefab security post, 11) Single story prefab bicycle shed, 12) Single story RCC toilet block.
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Information provided below as per following format: Highest occupied floor level [Height up to roof], Stories above grade, Stories below grade, Occupied level. 1) Main production building: 30 cm [9.19 m], 1, 0, 1. 2) Production building: 30 cm [9.19 m], 1, 0, 1. 3) Cafeteria building: 3.28 m [9.19 m], 2, 0, 2. 4) Machine yard building: 3.28 m [6.57 m], 2, 0, 2. 5) Medical building: 30 cm [3.94 m], 1, 0, 1. 6) Generator building: 30 cm [4.93 m], 1, 0, 1. 7) ETP building: 6.57 m [9.85 m], 3, 0, 3. 8) Garbage shed: 30 cm [3.28 m], 1, 0, 1. 9) Pump room: 30 cm [3.28 m], 1, 0, 1. 10) Security post: 30 cm [4.93 m], 1, 0, 1. 11) Bicycle shed: 30 cm [4.93 m], 1, 0, 1. 12) Toilet block: 30 cm [3.28 m], 1, 0, 1.
Approximate Building Area (SF):	Total area of all buildings in the premises: 197749 sft. Building wise break down as follows: 1) Main production building: 125072 sft (Ground floor: 108665 sft, Mezzanine floor: 16407 sft), 2) Production building: 31569 sft (Ground floor: 29805 sft, Mezzanine floor: 1764 sft), 3) Cafeteria building: 16292 sft (Ground floor: 8146 sft, 1st floor: 8146 sft), 4) Machine yard building: 1798 sft (Ground floor: 899 sft, 1st floor: 899 sft), 5) Medical building: 1184 sft, 6) Generator building: 4454 sft, 7) ETP building: 6276 sft (Ground floor: 2092 sft, 1st floor: 2092 sft, 2nd floor: 2092 sft), 8) Garbage shed: 1076 sft, 9) Pump room: 1969 sft, 10) Security post: 1000 sft, 11) Bicycle shed: 1840 sft, 12) Toilet block: 5219 sft.
Date of Building Construction:	Factory personnel informed the date of construction as follows: 1) Single story prefab shed-1 (main production building): Finished in December 2005, 2) Single story prefab shed-2 (production building): Finished in December 2005, 3) Two story RCC cafeteria (canteen) building with prefab roof: Finished in December 2011, 4) Two story RCC machine yard and prayer building with prefab roof: Finished in December 2011, 5) Single story RCC medical building: Finished in December 2005, 6) Single story RCC generator building: Finished in December 2005, 7) Three story RCC ETP building: Finished in December 2011, 8) Single story prefab garbage shed: Finished in December 2011, 9) Single story prefab pump room: Finished in December 2005, 10) Single story prefab security post: Finished in December 2005, 11) Single story prefab bicycle shed: Finished in December 2005, 12) Single story RCC toilet block: Finished in December 2005.
Date of Last Building Renovation/Addition:	No record for date of renovation or addition was found from factory personnel.
Ancillary Structures in Complex:	1) Two story RCC cafeteria (canteen) building with prefab roof, 2) Two story RCC machine yard and prayer building with prefab roof, 3) Single story RCC medical building, 4) Single story RCC generator building, 5) Three story RCC ETP building, 6) Single story prefab garbage shed, 7) Single story prefab pump room, 8) Single story prefab security post, 9) Single story prefab bicycle shed, 10) Single story RCC toilet block.
Approximate Ancillary Structures Area (SF):	1) Two story RCC cafeteria (canteen) building with prefab roof: 16292 sft (Ground floor: 8146 sft, 1st floor: 8146 sft), 2) Two story RCC machine yard and prayer building with prefab roof: 1798 sft (Ground floor: 899 sft, 1st floor: 899 sft), 3) Single story RCC medical building: 1184 sft, 4) Single story RCC generator building: 4454 sft, 5) Three story RCC ETP building: 6276 sft (Ground floor: 2092 sft, 1st floor: 2092 sft, 2nd floor: 2092 sft), 6) Single story prefab garbage shed: 1076 sft, 7) Single story prefab pump room: 1969 sft, 8) Single story prefab security post: 1000 sft, 9) Single story prefab bicycle shed: 1840 sft, 10) Single story RCC toilet block: 5219 sft.
Number of Occupants:	Total no. of occupants: 2810. 1) Single story prefab shed-1 (main production building): 2298 (Ground floor: 2250, Mezzanine floor: 48), 2) Single story prefab shed-2 (production building): 485 (Ground floor: 480, Mezzanine floor: 5), 3) Two story RCC cafeteria (canteen) building with prefab roof: 4 (Ground floor: 4, 1st floor: 0), 4) Two story RCC machine yard and prayer building with prefab roof: 5 (Ground floor: 5, 1st floor: 0), 5) Single story RCC medical building: 3, 6) Single story RCC generator building: 6, 7) Three story RCC ETP building: 3 (Ground floor: 3, 1st floor: 0, 2nd floor: 0), 8) Single story prefab garbage shed: 0, 9) Single story prefab pump room: 0, 10) Single story prefab security post: 6, 11) Single story prefab bicycle shed: 0, 12) Single story RCC toilet block: 0.
Number of Ancillary Levels (Stories):	1) Two story RCC cafeteria (canteen) building with prefab roof: Building height (Highest occupied floor level): 3.28 m or 10 ft [Height up to roof: 9.19 m or 28 ft], Stories above grade: 2, Stories below grade: 0, Occupied levels: 2, 2) Two story RCC machine yard and prayer building with prefab roof: Building height (Highest occupied floor level): 3.28 m or 10ft [Height up to roof: 6.57 m or 20 ft], Stories above grade: 2, Stories below grade: 0, Occupied levels: 2, 3) Single story RCC medical building: Building height (Highest occupied floor level): 30 cm or 1 ft above grade [Height up to roof: 3.94 m or 12 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, 4) Single story RCC generator building: Building height (Highest occupied floor level): 30 cm or 1 ft above grade [Height up to roof: 4.93 m or 15 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1 and for remaining structures, see the description.

Occupancy Type:	1) Single story prefab shed-1 (main production building): [Ground floor: G2 (Sewing and Cutting section), H2 (Raw material store, Finished goods store and Fabric store), Mezzanine floor: F1 (Office)], 2) Single story prefab shed-2 (production building): [Ground floor: G2 (Finishing, Washing and Logistic area), J2 (Chemical store), Mezzanine floor: G2 (Checking section), H2 (Storage)], 3) Two story RCC cafeteria (canteen) building with prefab roof: [Ground floor: H1 (Locker store), 1st floor: E3 (Canteen 900 seat)], 4) Two story RCC machine yard and prayer building with prefab roof: [Ground floor: H1 (Machine maintenance), 1st floor: E3 (Prayer room)], 5) Single story RCC medical building: D1 (Medical center)and for remaining structures, see the description.
Construction Type:	1) Single story prefab shed-1 (main production building): Non-rated, 2) Single story prefab shed-2 (production building): Non-rated, 3) Two story RCC cafeteria (canteen) building with prefab roof: [Ground floor: Type 1, 1st floor: Non-rated (Only ceiling)], 4) Two story RCC machine yard and prayer building with prefab roof: [Ground floor: Type 1, 1st floor: Non-rated (Only ceiling)], 5) Single story RCC medical building: Type 1, 6) Single story RCC generator building: Type 1, 7) Three story RCC ETP building: Type 1, 8) Single story prefab garbage shed: Non-rated, 9) Single story prefab pump room: Non-rated, 10) Single story prefab security post: Non-rated, 11) Single story prefab bicycle shed: Non-rated, 12) Single story RCC toilet block: Type 1.
Height of Highest Occupied Floor Level Above Grade:	1) Single story prefab shed-1 (main production building): 30 cm or 1 ft above grade, 2) Single story prefab shed-1 (production building): 30 cm or 1 ft above grade, 3) Two story RCC cafeteria (canteen) building with prefab roof: 3.28 m or 10 ft, 4) Two story RCC machine yard and prayer building with prefab roof: 3.28 m or 10ft, 5) Single story RCC medical building: 30 cm or 1 ft above grade, 6) Single story RCC Generator building: 30 cm or 1 ft above grade, 7) Three story RCC ETP building: 6.57 m or 20 ft, 8) Single story prefab garbage shed: 30 cm or 1 ft above grade, 9) Single story prefab pump room: 30 cm or 1 ft above grade, 10) Single story prefab security post: 30 cm or 1 ft above grade, 11) Single story prefab bicycle shed: 30 cm or 1 ft above grade, 12) Single story RCC toilet block: 30 cm or 1 ft above grade.

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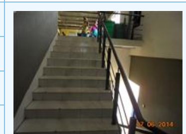
Address: **Plot No 61-71+85 Comilla EPZ Comilla Chittagong Bangladesh**

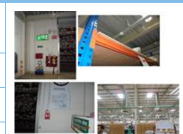
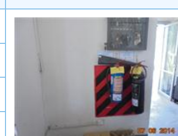
Assessor: **Bureau Veritas**

Date: **07 Jun 2014**

ALLIANCE FOR BANGLADESH WORKER SAFETY

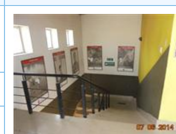
ASSESSMENT FINDINGS

Fire Protection Construction		
Question:	Are openings and penetrations through rated walls and/or assemblies protected?	  
Priority Level:	High	
Non-Compliance Level:	3	
Description:	All the openings through rated walls in the assessed buildings are found non-rated. Some major locations are: On ground floor of shed-2, door and glass window opening of chemical store beside of path of means of egress is observed that has no proper fire protection. On ground floor of shed-1, door opening of finished goods store and fabric store is observed beside of path of means of egress that has no proper fire protection. Similar unprotected openings are found at different locations of different buildings.	
Source of Findings:	Visual Assessment: Unprotected openings were found through rated walls.	
Suggested Plan of Action:	Provide opening protectives at all windows and other openings on all the fire rated walls across the entire premises. Close these openings if they are not required. Install a listed firestop system at every penetration through a fire wall.	
Suggested Deadline Date:	29 Sep 2014	
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations	
Question:	Are exit enclosures provided with fire-resistive rated construction barriers?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	In two story cafeteria building, there is no fire protective barrier at exit enclosure as there are unprotected storage room doors on the ground floor. Similar unprotected openings are found at another two story ancillary building. The doors on these stairs need to be 1.0 hour rated as per clause 4.5 and 4.6 of Alliance Standard. Other single story buildings have no stairs (except connecting stair of mezzanine floor), therefore stair enclosures are not required in these buildings.	
Source of Findings:	Visual Assessment: Stair enclosures were found without fire rated exit enclosures.	
Suggested Plan of Action:	Provide 1 hr fire-resistive rated construction barriers at exit enclosures. Fit outward opening, side-swinging, self-closing, non-lockable fire doors of 1 hr rating in all stairwell enclosures. Consult a qualified fire protection engineer to design the required rated construction barriers	
Suggested Deadline Date:	29 Sep 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	
Question:	Are separations between hazards provided with fire-resistive rated construction barriers?	    
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No proper fire separations between mixed occupancies are as follows: On ground floor of shed-1, proper separation is not provided as high glass window opening exists above partitioned solid wall between fabric store and finished goods store. On mezzanine of shed-1, proper separation is not provided as glass partition exists between checking room and storage. Proper separation is not provided between production floor and raw fabric store at shed-2. No fire barrier is provided of storage on mezzanine at washing plant shed-2. No fire barrier is provided of maintenance workshop. Storage areas were open to offices via windows that covered with non-rated construction. The large meeting room overlooked the factory floor through glass windows. Additional unprotected separations are observed at different floors of different buildings.	
Source of Findings:	Visual Assessment: Non-rated separations were found between various occupancies.	
Suggested Plan of Action:	Separate occupancies with rated construction per Section 3.4.2.1. Consult a qualified fire protection engineer to design the required rated construction barrier.	
Suggested Deadline Date:	22 Dec 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	
Question:	Certificates of Occupancy for each building have been issued and are on file.	

Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Occupancy certificate are not available for the buildings in the factory premises.	
Source of Findings:	Visual Assessment: There was no occupancy certificate for any of the buildings among the documents shown by the factory concerned people.	
Suggested Plan of Action:	Apply to BEPZA for issuance of occupancy certificate and pursue the matter to expedite.	
Suggested Deadline Date:	18 Aug 2014	
Standard:	Are certificates of occupancy provided for each building or ancillary structure?	
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:	Heat detectors were installed. These were connected to the fire alarm system. They were mounted on the bottom of the roof trusses – not as listed.	
Source of Findings:	Visual Assessment: Factory visit	
Suggested Plan of Action:	Install fire alarm system per NFPA 72. Include listed pull stations at all entrances to exits. Install strobes and horns for complete notification. Automatic area smoke detectors are required throughout G2 buildings per Section 5.7.3.6.	
Suggested Deadline Date:	31 Dec 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:	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:	Automatic fire alarm and detection system control panel is available in the factory, but currently there is no monitoring company in Bangladesh. Fire service and civil defense is not also capable of monitoring fire alarm and detection systems of the factories.	
Source of Findings:	Visual Assessment: Fire alarm and detection system not monitored by a central station monitoring service.	
Suggested Plan of Action:	Arrange for direct connection of the fire alarm system to a central monitoring station or Fire Service and Civil Defense. Until that time that monitoring 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 (such as a fire control room) to alert this person.	
Suggested Deadline Date:	04 Aug 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
Question:	Fire extinguishers are inspected, tested, and maintained as required.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Extinguishers are inspected monthly by factory's concerned people, but no document is found in support of i) annual maintenance of extinguishers by a servicing agent and ii) annual testing of nozzle of CO2 extinguisher. These are required as per NFPA 10.	
Source of Findings:	Document Review: Relevant documents were not compliant with NFPA 25.	
Suggested Plan of Action:	Fire extinguishers are to be inspected, tested, and maintained in accordance with NFPA 10 Chapter 7.	
Suggested Deadline Date:	22 Dec 2014	
Standard:	NFPA 10 Chapter 7	
Means of Egress		
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:	3	
Description:	Aisle has been obstructed by steel column on ground floor of shed-1, which reduces the total aisle width to 0.75m. Minimum aisle width requirement is not	

	satisfied on ground floor of shed-1. As per visual measurement, total width of aisles of shed-1 is 6.27 m whereas required total widths for means of egress are 11.49 m. This violates Alliance Standard Part 6 Section 6.5.1 and BNBC Part 4 Section 3.5.1.	
Source of Findings:	Visual Assessment: Obstruction found in aisles and from measurement and calculation, total width was found insufficient.	
Suggested Plan of Action:	Remove existing aisle marking and draw new marking fulfilling the minimum aisle width requirement. Relocate the machines accordingly if necessary.	
Suggested Deadline Date:	29 Sep 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:	3	
Description:	The aisles on ground floor of shed-1 are partially blocked by columns reducing the unobstructed aisle width to 0.75 m, which violates Sections 6.5.1 and 6.5.2. Total width of aisles is not sufficient for the occupant load. The total unobstructed width of 7 aisles on ground floor is 6.27 m and higher occupant load is 2298. Total required width of aisles is 11.49 m. Total width of exit door complies with Alliance requirements. Aisle and exit door total width for other buildings comply with Alliance requirements.	
Source of Findings:	Visual Assessment: Widths of aisles and exit doors were measured on sample basis.	
Suggested Plan of Action:	Satisfy total width requirement for aisles and exit doosr as per BNBC Part 4 Table 4.3.2 Page 10424.	
Suggested Deadline Date:	29 Sep 2014	
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width and BNBC Table 4.3.2	
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:	There are locking arrangements like hasps, locks, slide bolts at the exit doors, although doors are not locked.	
Source of Findings:	Visual Assessment: Locking devices were noticed at exit doors.	
Suggested Plan of Action:	Remove existing gates and doors in the means of egress including all locking devices. Install doors with approved panic hardware that cannot be locked in the direction of egress under any conditions.	
Suggested Deadline Date:	31 Dec 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Doors along the path of egress have a minimum width of 0.8 m (32 in) and have required ratings.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Doors width meet the minimum requirement but all doors were unrated	
Source of Findings:	Visual Assessment: During site tour, door width was measured on sample basis.	
Suggested Plan of Action:	Remove existing unrated doors through walls separating hazards. Install approved fire rated doors that are listed, permanently labeled, automatic-closing, in compatible fire rated frames with latching hardware.	
Suggested Deadline Date:	31 Dec 2014	
Standard:	Alliance Standard Part 6 Section 6.5.6 Minimum Widths. Increased occupant loads will require a door width greater than 0.8 m.	
Question:	All doors in a means of egress are of the side-hinged swinging type.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	There are collapsible doors, steel leaf doors, wooden swinging doors and glass doors with locking arrangements at each egress location. All these exit doors along the means of egress in the premises have no fire door mechanism which is required as per Alliance Standard.	
Source of Findings:	Visual Assessment: No side-hinged swinging type exit door was found.	
Suggested Plan of Action:	Remove existing doors and gates in the means of egress. Install side-hinged doors with approved panic hardware that swing in the direction of egress.	

Suggested Deadline Date:	29 Sep 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Exterior exit stairs are separated from the building with the required rating. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Although exterior stairs are not required in any of the single story buildings in the premises, as total width is appropriate for occupant load of floor and mezzanine, external stairs are provided to evacuate from mezzanine but without proper fire separation beyond 10 feet of its span. Other two story ancillary buildings have no exterior stairs except two story yarn store and prayer building. In yarn store and prayer building, there is exterior stair along the path of egress without proper fire separation beyond 10 feet of it's span.	
Source of Findings:	Visual Assessment: External stair is not fire seperated from building as required.	
Suggested Plan of Action:	Close all openings across the span of the stair and 10 feet on each side from the ground level to roof or 10 ft above the topmost landing. Three stories or less require a 1-hr rating; four stories or more require a 2-hr rating.	
Suggested Deadline Date:	29 Sep 2014	
Standard:	Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories of more 2-hr rating	
Question:	Interior exit stairways and ramps terminate at an exit discharge except where terminating at a rated exit passageway.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Two stairs were 2'-10" wide stairs that discharged onto the factory floor. These stairs were the primary exits for a 10 person office and a sewing training room. Travel distance to the exterior from the bottom of the convenience stairs was about 50 feet.	
Source of Findings:	Visual Assessment: Factory visit	
Suggested Plan of Action:	Create rated exit passageways for the mezzanines.	
Suggested Deadline Date:	31 Dec 2014	
Standard:	Alliance Standard Part 6 Section 6.14 Exit Enclosures	
Question:	Stairs have a minimum width of 0.9 m (35 in.).	
Priority Level:	High	
Non-Compliance Level:	1	
Description:	Two stairs were 2'-10" wide stairs that discharged onto the factory floor.	
Source of Findings:	Visual Assessment: Factory visit	
Suggested Plan of Action:	Widen stairs to at least 35".	
Suggested Deadline Date:	31 Dec 2014	
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width. Applies to existing construction.	
Question:	Emergency power for means of egress illumination is verified at least once per year. If battery operated lights are used, these lights are tested on a monthly basis. Functional testing of battery powered lights is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Record of verifying emergency power for means of egress illumination was not found as required. Only factory personnel test it monthly.	
Source of Findings:	Document Review: No document regarding verification of emergency power for means of egress was found among the documents shown by the factory personnel.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of all exist signs is verified at least once per year. If battery-operated signs are used, these lights shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 minutes once per year	
Suggested Deadline Date:	04 Aug 2014	
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting	

Question:	Illuminated exit signs are placed at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Illuminated exit signs are placed at entrances to exits, but along the path of egress additional exit signs or directional signs are not provided where there is a change in direction and where the continuation of egress is not obvious.	
Source of Findings:	Visual Assessment: Illumination of exit signs were observed.	
Suggested Plan of Action:	Install illuminated exit signs at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.	
Suggested Deadline Date:	22 Dec 2014	
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	
Question:	Emergency power for exit signs is tested at least once per year. If battery operated, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No plan or record of conducting periodic tests of the emergency battery backup for illumination of exit signs was found. Only the factory personnel test it monthly.	
Source of Findings:	Document Review: No document regarding testing of emergency power for exit signs was found among the documents shown by the factory personnel.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 minutes once per year.	
Suggested Deadline Date:	04 Aug 2014	
Standard:	Alliance Standard 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:	2	
Description:	Stair handrails of two story ancillary buildings are not provided on both sides of each stairway. Mounted height of handrails is found at 42 inches.	
Source of Findings:	Visual Assessment: Handrails on both sides are not found.	
Suggested Plan of Action:	Provide handrails on both sides of each stairway.	
Suggested Deadline Date:	22 Dec 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	
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:	1	
Description:	Occupant loads are not posted in a conspicuous space near the main exits or exit access doorways.	
Source of Findings:	Visual Assessment: Occupant load posted signs not found.	
Suggested Plan of Action:	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	
Suggested Deadline Date:	04 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	Exit signs have appropriate illumination levels and contrasting graphics.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Exit signs do not have appropriate illumination levels and contrasting graphics.	
Source of Findings:	Visual Assessment: Exit signs do not have appropriate illumination levels and contrasting graphics.	

Suggested Plan of Action:	Exit signs may be illuminated either by lamps external to the sign or by lamps contained within the sign. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2cd/m2 may also be used.
Suggested Deadline Date:	22 Dec 2014
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs
Question:	Stair designation signs are provided at each floor entrance from the stair to the floor in English and Bengali. Signs indicate the name of the stair and the floor level. Signs are posted adjacent to the door.
Priority Level:	Low
Non-Compliance Level:	2
Description:	Stair name or designation is not mentioned at any two story buildings.
Source of Findings:	Visual Assessment: Stair name or designation was not found.
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level.
Suggested Deadline Date:	04 Aug 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs
Fire Safety Programs	
Question:	An emergency evacuation plan has been developed and communicated to all employees.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Through the interview it was noted that the workers are aware of the evacuation procedure upon commencing of the alarm. However, no procedure defining evacuation process is available.
Source of Findings:	Document Review: No relevant document was found.
Suggested Plan of Action:	Develop an emergency evacuation plan which includes all components required by the Alliance Standards and communicate the plan to all employees.
Suggested Deadline Date:	22 Dec 2014
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	No document of any training program in accordance with the Alliance Safety Training Curriculum is found.
Source of Findings:	Document Review: No relevant documents in accordance with Alliance safety training curriculum were found.
Suggested Plan of Action:	Impart training in accordance with Alliance Safety Training Curriculum and keep record with proper documentation.
Suggested Deadline Date:	04 Aug 2014
Standard:	Alliance Standards Part 13
Question:	Storage areas underneath the cutting tables are clear of combustibles.
Priority Level:	Medium
Non-Compliance Level:	1
Description:	Goods were stored under cutting tables.
Source of Findings:	Visual Assessment: Factory visit
Suggested Plan of Action:	Remove all storage from under cutting tables and similar obstructions. Establish and enforce a housekeeping policy to keep these areas clear of storage.
Suggested Deadline Date:	31 Dec 2014
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.
Question:	A Fire Safety Director position has been filled.
Priority Level:	Low
Non-Compliance Level:	2

Description:	No record of filling the position of Fire Safety Director has been found, but factory authority informed that they have appointed one.	
Source of Findings:	Document Review: No relevant document was found.	
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. The duties of the Fire Safety Director shall include the following: (1) Establish internal and external rally points and communicate to all employees in the building. (2) Fire department pre-planning. (3) Conduct safety inspections as outlined in Alliance standard 13.9. (4) Ensure all testing of fire protection equipment is conducted in accordance with Alliance standard 13.10.	
Suggested Deadline Date:	22 Dec 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Fire department pre-planning is not found in the factory premises.	
Source of Findings:	Document Review: No relevent documents found.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense.	
Suggested Deadline Date:	22 Dec 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	A written housekeeping policy is established and enforced.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Written housekeeping policy is not found.	
Source of Findings:	Document Review: No document regarding housekeeping policy has been found among the documents shown by factory personnel.	
Suggested Plan of Action:	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	
Suggested Deadline Date:	16 Mar 2015	
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Hot-work involving welding, grinding, etc. is taking place on the premises, yet a hot-work permit program is not established.	
Source of Findings:	Document Review: No relevent document found.	
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B. In general, this program should address the process of request and approval of authorities, necessary checks prior to approval, standby fire watch and fire fighting equipment, sounding of alarm procedure, duration and expiry of permit and re-approval procedure, etc.	
Suggested Deadline Date:	22 Dec 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	