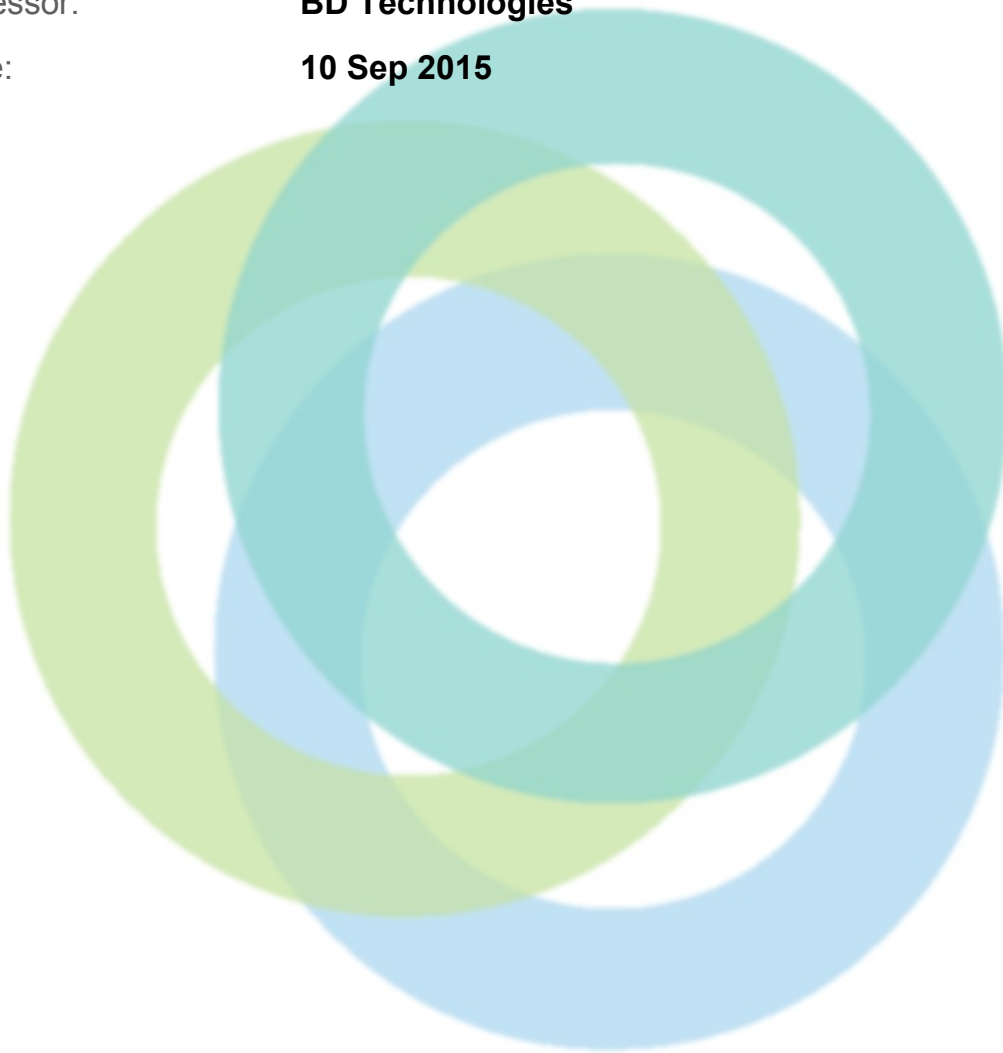




## INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Unimas Sportswear, Ltd.**  
Address: **Bagbari, Kashimpur, Gazipur Sadar Gazipur Dhaka  
Bangladesh**  
Assessor: **BD Technologies**  
Date: **10 Sep 2015**





## 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](http://www.bangladeshworkersafety.org).





## GENERAL INFORMATION

General Information	
Factory Name:	Unimas Sportswear, Ltd.
Address:	Bagbari, Kashimpur, Gazipur Sadar Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Gazipur
Zip Code:	
Audit Duration:	
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	August 18, 2015
Final Report Date:	September 1, 2015
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are two main factory buildings and three ancillary sheds. 1) Factory Building-1; 2) Factory Building-2; 3) Ancillary-1 (Utilities Shed); 4) Ancillary-2 (Security Shed); 5) Ancillary-3 (Dining Hall).
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	1) Factory Building-1: 8-story; 2) Factory Building-2: 8-story.
Approximate Building Area (SF):	Total Area: 253,138 SF. 1) Factory Building-1: 144,700 SF (GF: 17,200 SF, 1st-7th: 17,500 SF, Roof: 5,000 SF); 2) Factory Building-2: 96,520 SF (GF: 10,500 SF, 1st-7th: 11,360 SF, Roof: 6,500 SF); 3) Ancillary-1: 2,668 SF; 4) Ancillary 2: 250 SF; 5) Ancillary 3: 9,000 SF.
Date of Building Construction:	1) Factory Building-1: 2010-2012; 2) Factory Building-2: 2013-2014; 3) Ancillary-1: 2010; 4) Ancillary-2: 2015; 5) Ancillary-3: 2015.
Date of Last Building Renovation/Addition:	None
Ancillary Structures in Complex:	1) Ancillary-1 (Utilities Shed); 2) Ancillary-2 (Security Shed); 3) Ancillary-3 (Dining Hall).
Approximate Ancillary Structures Area (SF):	Total Ancillary Area: 11,918 SF. 1) Ancillary-1: 2,668 SF; 2) Ancillary 2: 250 SF; 3) Ancillary 3: 9,000 SF.
Number of Occupants:	Total occupants: 2,700. 1) Factory Building-1: 2464 (GF: 235, 1st: 180, 2nd: 321, 3rd: 444, 4th Floor: 462, 5th: 457, 6th: 332, 7th: 33); 2) Factory Building-2: 210 (GF: 106, 1st: 31, 2nd: 18, 3rd: 7, 4th: 14, 5th: 6, 6th: 2, 7th: 26); 3) Ancillary-1: 7; 4) Ancillary-2: 19; 5) Ancillary-3: 0.
Number of Ancillary Levels (Stories):	All ancillary buildings are 1-story.
Occupancy Type:	Occupancy Type: Industrial G-2, E, F-1, H-2 and K.
Construction Type:	1) Factory Building-1: Type-2; 2) Factory Building 2: Type-2; 3) Ancillary-1: Type-2; 4) Ancillary-2: Type-2; 5) Ancillary-3: Non-rated.

Factory Name: **Unimas Sportswear, Ltd.**

Address: **Bagbari, Kashimpur, Gazipur Sadar Gazipur Dhaka Bangladesh**

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**ALLIANCE**  
FOR BANGLADESH WORKER SAFETY

Height of Highest Occupied Floor Level Above Grade:	Height of Highest Occupied Floor Level Above Grade is 80.5 ft.
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## 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:	Some unprotected penetrations are found in Factory Building-1. Electrical conduit penetrations from the ground floor to the 6th floor are not properly protected.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory 16th August, 2015.	
Suggested Plan of Action:	Provide fire-resistive rated penetration protection for rated walls and assemblies in accordance with Alliance Standard Section 4.7. Consult a qualified fire protection engineer to design the required penetration systems.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations	
Question:	Is each floor separated with a fire-resistive rated construction barrier?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Floors were not separated by fire-resistive rated construction barriers due to penetrations caused by cable conduits.	
Source of Findings:	Visual Assessment: According to visual assessment and photograph of this factory 16th August, 2015.	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between floors in accordance with Alliance Standard Section 4.5. Consult a qualified fire protection engineer to design the rated construction barriers.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	
Question:	Are exit enclosures provided with fire-resistive rated construction barriers?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	We found rated doors but they were not certified by appropriate authority.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	



Suggested Plan of Action:	Provide fire-resistive rated construction barriers and associated opening protection for exit enclosures in accordance with Alliance Standard Sections 4.5 and 4.6. Consult a qualified fire protection engineer to design the required rated construction barrier and opening protection.	
Suggested Deadline Date:	04 Dec 2015	
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:	3	
Description:	More than 2000 liters of diesel fuel is stored in an open space near the utility room.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers (with associated opening protection) between hazard types in accordance with Alliance Standard Sections 3.4 and 4.5. Consult a qualified fire protection engineer to design the required rated construction barrier.	
Suggested Deadline Date:	29 Jan 2016	
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:	2	
Description:	Occupancy Certificates for all buildings and sheds were not found.	
Source of Findings:	Document Review: According to documents review of this factory on 16th August, 2015	
Suggested Plan of Action:	Apply to appropriate authority in an expeditious manner for issuance of the Certificates of Occupancy for each building and ancillary structure according to building use.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Are certificates of occupancy provided for each building or ancillary structure?	
<b>Fire Protection Systems</b>		







Question:	Are storage racks and shelves compliant based on class of commodity storage?	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	In Factory Building-2, some storage racks and shelves are not compliant based on class of commodity storage. Some storage was found without racks and shelves.	
Source of Findings:	Photograph: storage racks and shelves, Visual Assessment: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Provide storage racks and shelves compliant based on class of commodity storage. Provide shelves in accordance with Alliance Standard Section 5.3.6.2. If needed, provide sprinkler protection in accordance with Alliance Standards and NFPA 13.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Reference NFPA 13 Chapter 13, 14, 15, 16, or 17	
Question:	Does the building have a Standpipe System?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	The factory buildings have a Class II Standpipe System, but a Class I standpipe is required.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Install standpipe system at required locations in accordance with Alliance Standard Section 5.4 and NPFA 14. Standpipe system must comply with NFPA 14. The hydraulic calculations should be submitted and reviewed by Alliance prior to start of work. All standpipe system installation activities shall be submitted for reviewed by the Alliance prior to commencement of installation in accordance with Section 5.4.3.2.	
Suggested Deadline Date:	29 Jan 2016	
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:	2	
Description:	The building does have a fire pump, but design drawings and hydraulic calculations are not available.	
Source of Findings:	Document Review: According to documents review of this factory on 16th August, 2015	
Suggested Plan of Action:	Verify that the dedicated fire pump for the facility is installed in accordance with NFPA 20 and capable of supplying the demands of the connected fire protection systems along with a stored source of water sufficient to meet the demands in accordance with NFPA 22. Provide design documentation and hydraulic calculations in accordance with Alliance Standard Section 5.5.1.1. All documents shall be submitted for Alliance review in accordance with Section 5.5.1.2 prior to any modifications.	




Suggested Deadline Date:	29 Jan 2016	
Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Trouble and alarm notifications were indicated on the alarm control panel.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Have the system inspected and/or repaired by a qualified fire alarm installation company.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standard Part 13 Section 13.10 Maintenance of Fire Protection Equipment	
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:	2	
Description:	While notification devices and most initiation devices for the fire alarm system are installed at required locations, the valves for the fire protection systems are not currently monitored.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Install initiating devices for electrical supervision of all valves controlling fire protection systems (sprinklers, fire pumps, water supplies, etc.). Connect devices to the automatic fire alarm and detection system for the facility. All fire alarm modifications shall be submitted for review by the Alliance prior to commencement of installation.	
Suggested Deadline Date:	29 Jan 2016	
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:	All valves controlling the automatic sprinkler systems are electrically supervised by a listed fire alarm system control unit.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	All valves controlling the automatic sprinkler systems are not electrically supervised by a listed fire alarm system control unit.	
Source of Findings:	Document Review: According to document review and management interview of this factory on 16th August, 2015.	
Suggested Plan of	Provide electrically supervised devices on the valves controlling the automatic	



Action:	sprinkler systems. Devices are to be supervised by a listed fire alarm system control unit. Install initiating devices as required by the Alliance Standard and NFPA 72 for electrical supervision of all valves controlling fire protection systems (sprinklers, fire pumps, water supplies, etc.). Connect devices to an automatic fire alarm and detection system for the facility. All fire alarm installations or modifications shall be submitted for review by the Alliance prior to commencement of installation.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Reference Alliance Standard Part 5 Section 5.3.5 Supervision and Alarms.	
Question:	All storage is maintained with a 460 mm (18 in.) minimum clearance from the top of storage to the sprinkler deflector.	 
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	All storage is not maintained with a 460 mm (18 in.) minimum clearance from the top of storage to the sprinkler deflector.	
Source of Findings:	Photograph: Top of storage to the sprinkler deflector, Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Provide proper clearance between storage and sprinkler deflectors in accordance with Alliance Standard Section 5.3.6.1.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Reference Alliance Standards Part 5 Section 5.3.6.1 Storage Clearance	
Question:	Are there additional areas of non-compliance related to the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	3	 
Description:	In Building-2, the elevator discharges directly onto each floor (Wear house, Cutting Section, Finished goods) with no fire resistive rated barrier between the elevator and floors.	
Source of Findings:	Photograph: Elevator is directly discharge in every floor in building-2, Visual Assessment: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers for elevator shafts in accordance with Alliance Standard Section 4.4. Provide associated opening protection in accordance with Alliance Standard Section 4.6. Consult a qualified fire protection engineer to design the required rated construction barrier and associated opening protection.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Not Applicable	



Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Fire department connections are provided but not clearly identified for the Fire Protection Systems.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Clearly identify and label the fire department connections. Ensure that the connections match the Fire Service and Civil Defence hose thread standard.	
Suggested Deadline Date:	29 Jan 2016	
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:	1	
Description:	Fire alarm and detection system is not monitored by a central station monitoring service as this service is not yet available in Bangladesh.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Once service is available, arrange for direct connection of the fire alarm and detection system to a central station monitoring service or the Fire Service and Civil Defence as per Alliance Standard Section 5.7.5. Until that time, a person trained to contact the Fire Service and Civil Defence in the event of fire alarm activation shall be provided. An annunciator shall be located in a constantly attended location (such as a fire control room) to alert this person.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
Question:	Does the automatic sprinkler system have an approved audible device activated by waterflow equal to the flow of one sprinkler?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	The automatic sprinkler system does not have an approved audible device activated by waterflow equal to the flow of one sprinkler.	
Source of Findings:	Document Review: According to document review and management interview of this factory on 16th August, 2015.	
Suggested Plan of Action:	Install an approved audible device connected to the automatic sprinkler system for each building. Activation of the waterflow shall activate the fire alarm system.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Reference Alliance Standards Part 5 Section 5.3.5.2 Alarms.	





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:	Factory buildings have a standpipe system, but appropriate inspection, maintenance, and testing records were not found.
Source of Findings:	Document Review: According to documents review of this factory on 16th August, 2015
Suggested Plan of Action:	Once Class I system is installed, establish an inspection, testing, and maintenance program for the standpipe system. Program must comply with NFPA 25. Any newly installed standpipe system needs to be evaluated for compliance with the design pressure and flow demands of NFPA 14 or BNBC Section 5.4.3.
Suggested Deadline Date:	29 Jan 2016
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?
Priority Level:	Low
Non-Compliance Level:	3
Description:	Appropriate inspection, maintenance, and testing records for the fire pump were not found.
Source of Findings:	Document Review: According to and documents review of this factory on 16th August, 2015
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for the fire pump. Program must comply with NFPA 25.
Suggested Deadline Date:	29 Jan 2016
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps
Question:	Are inspection, maintenance, and testing procedures of the sprinkler system documented and up to date?
Priority Level:	Low
Non-Compliance Level:	2
Description:	Factory building has sprinkler system installed, but appropriate inspection, maintenance, and testing records were not found.
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015
Suggested Plan of Action:	Establish an inspection, maintenance and testing program for the sprinkler system. Program needs to comply with the requirements of NFPA 25.
Suggested Deadline Date:	04 Dec 2015
Standard:	Reference NFPA 25 Chapter 5 Sprinkler Systems Table 5.1.1.2
Question:	Are identification signs for the sprinkler system installed at the required



	locations?	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Identification signs for the sprinkler system are not installed at the required locations.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Provide identification signs with permanently marked water-proof metal or rigid plastic for the required components of sprinkler system as per NFPA 13.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Reference NFPA 13	
Question:	Is signage for the standpipe system installed at required locations and on required components?	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Signage for the standpipe systems are not installed at required locations and on required components.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Install signage at required locations and on required equipment. Signage must comply with NFPA 14.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Reference NFPA 14 Chapter 6	
<b>Means of Egress</b>		
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 along the path of egress are more than 0.8 m (32 in) and most of the doors are fire doors, but the doors are not properly certified and tagged with rating label.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Ensure proper certification for the fire doors and obtain approval from the Alliance. Replace any non-compliant doors and frames in the means of egress with side-swinging doors. Replacement doors shall be a minimum width of 0.8 m (32 in), and are listed, approved, self-closing, fire rated door assemblies (door and frame) with latching panic hardware.	
Suggested Deadline Date:	04 Dec 2015	
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:	Landings are provided on both sides of doors used along the path of egress. Doors do not swing out over stairs.	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Landings are provided on both sides of doors along the path of egress, but some doors swing out over stairs.	
Source of Findings:	Photograph: Door swing over stair , Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Adjust door location, and associated wall ratings, back from the stair enclosure (back onto the occupied floor) so that the door does not swing out over the stairs.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	All occupied roofs are provided with parapets or guards with a minimum height of 1067 mm (42 in.).	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Occupied roofs are provided with parapets or guards but they are less than minimum height of 1067 mm (42 in.).	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 19th August, 2015.	
Suggested Plan of Action:	Provide parapets or guards with a minimum height of 1067 mm (42 in.) for all occupiable roof areas in accordance with Alliance Standard Section 6.12.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standard Part 6 Section 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:	3	
Description:	Occupant loads are not posted anywhere in the factory.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Post the occupant load for all assembly and production floor areas in a conspicuous space near the main exit or exit access doorway for the space in accordance with Alliance Standard Section 6.4.4.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
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:	3	
Description:	Appropriate testing records of emergency power for means of egress illumination were not found.	
Source of Findings:	Document Review: According to visual assessment and documents review of this factory on 16th August, 2015	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for all egress lighting is verified at least once per year. If battery-operated lights are used, these lights shall be tested on a monthly basis. Functional testing of battery powered lights shall be provided for a minimum 90 min once per year.	
Suggested Deadline Date:	04 Dec 2015	
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:	3	
Description:	Illuminated exit signs were placed at entrances to exits but not placed 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.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Provide continuously illuminated exit signs per Alliance Standard Section 6.11. Signs shall be placed at all required exits and along egress paths, especially where there is a change in direction for the path of travel.	
Suggested Deadline Date:	04 Dec 2015	
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:	3	
Description:	Appropriate testing records of emergency power for exit signs were not found.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for exit signs is verified at least once per year. If battery-operated signs are used, these signs shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year.	
Suggested Deadline Date:		



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:	Handrails were provided on only one side of each stairway. Intermediate handrails are not required because the stair width was measured to be less than 2.2 m (87 in.).	
Source of Findings:	Photograph: Handrails were not on both side, Visual Assessment: According to visual assessment of this factory on 16th August, 2015	
Suggested Plan of Action:	Provide handrails on both sides of each stairway. Mount new handrail at a height consistent with existing height (between 30 in. and 44 in).	
Suggested Deadline Date:	04 Dec 2015	
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:	2	
Description:	Re-entry is not provided in the factory buildings.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Provide re-entry to floor levels from the stairwells in accordance with Alliance Standard Section 6.8.3.	
Suggested Deadline Date:	29 Jan 2016	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Ramps do not have a running slope greater than 1 in 8 (12.5 percent) and have handrails on both sides of the ramp.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Handrails on both sides of the ramp were not found.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Provide handrails on both sides of the ramp	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standard Part 6 Section 10 Ramps	



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:	3
Description:	Stair designation signs are not provided at each floor entrance from the stair.
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015.
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level in both English and Bengali.
Suggested Deadline Date:	04 Dec 2015
Standard:	Alliance Standard Part 6 Section 6.9 Stairs
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.
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015
Suggested Plan of Action:	Provide continuously illuminated exit signs at all required exits and along egress paths, especially where path has a change of direction. Exit signs may be illuminated either by lamps exterior to the sign or 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 0.2 cd/m <sup>2</sup> may also be used.
Suggested Deadline Date:	04 Dec 2015
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs
<b>Fire Safety Programs</b>	
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:	3
Description:	The required number of people are not trained and certified in fire fighting, first aid, and rescue training by the appropriate authority.
Source of Findings:	Document Review: According to Document review of this factory on 16th August, 2015.
Suggested Plan of Action:	Provide training and certification for the required number of people (25% of total workers) in fire fighting, first aid, and rescue training by an appropriate authority in accordance with the Alliance Safety Training Curriculum.
Suggested Deadline Date:	29 Jan 2016
Standard:	Alliance Standard Part 13 Human Element Programs



Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Training programs are not implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Source of Findings:	Document Review: According to document Review of this factory on 16th August, 2015.	
Suggested Plan of Action:	Implement and make a document for the Training programs in accordance with the Alliance Safety Training Curriculum.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standards Part 13	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Fire Department pre-planning has not been completed.	
Source of Findings:	Document Review: According to Document Review of this factory on 16th August, 2015., Visual Assessment: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Complete Fire Department pre-planning activities with the local Fire Service and Civil Defence in accordance with Alliance Standard Section 13.1.1(2).	
Suggested Deadline Date:	04 Dec 2015	
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:	A written housekeeping policy was not found.	
Source of Findings:	Document Review: According to document Review of this factory on 16th August, 2015.	
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.	
Suggested Deadline Date:	04 Dec 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:	2	
Description:	A hot-work permit program has not been established yet.	
Source of Findings:	Document Review: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Smoking is only allowed at designated areas.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Smoking area was not designated and "No Smoking" signs were not provided at the entrance of the factory and in the factory premises.	
Source of Findings:	Visual Assessment: According to visual assessment of this factory on 16th August, 2015.	
Suggested Plan of Action:	Smoking is prohibited in garment factory buildings or similar uses. Post "No Smoking" signs in English and Bengali at all building entrances. If the Owner designates a smoking area outside the building, information on the location of these areas shall be posted on the "No Smoking" signs.	
Suggested Deadline Date:	04 Dec 2015	
Standard:	Alliance Standards Part 13 Section 13.5 Smoking	