INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name:	**Young Labels Ltd.**
Address:	**Sreepur, Ganakbari Ashulia, Savar Ashulia, Savar Dhaka Bangladesh**
Assessor:	**Bureau Veritas**
Date:	**10 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

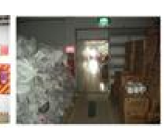
General Information	
Factory Name:	Young Labels Ltd.
Address:	Sreepur, Ganakbari Ashulia, Savar Ashulia, Savar Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Ashulia, Savar
Zip Code:	1349
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	06-11-2014
Final Report Date:	06-30-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 10 numbers of building in the factory premises among them 4 numbers are RCC building and 2 numbers are prefab shed and 4 numbers are tinshed building. These are 1. 3-Story Main Production building-01 (Young labels ltd), 2. 3-Story production Building-02 (Young Socks ltd.), 3. Single story fire control building, 4. Single story Gas Generator building, 5. Single story fire pump room (tin shed-01), 6. Single Story Dumping store (tin shed-02), 7. Single story substation room (tinshed-03), 8. Single story ansar camp (tinshed-04), 9. Single story prefab compressor room, 10. Single story prefab diesel generator room.
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) Three story main building-01: 7.7 m or 25.26 ft [11.05 m or 36.24 ft], 3, 0, 3. 2) Three story production building-02: 7.7 m or 25.26 ft [11.05 m or 36.24 ft], 3, 0, 3. 3) Single story fire control building: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 4) Single story gas generator building: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 5) Single story fire pump room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 6) Single story dumping store: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 7) Single story substation room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 8) Single story ansar camp: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 9) Single story compressor room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 10) Single story diesel generator room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1.
Approximate Building Area (SF):	Total area in all the factory premises: 88399 sft. The building wise breakdown as follows: 1) Three Story Production Building-01 (Young labels ltd): 48510 sft (Ground Floor: 16170 sft, First Floor: 16170 sft, Second Floor: 16170 sft), 2) Three Story Production Building-02 (Young Socks ltd.): 34200 sft, (Ground Floor: 11400 sft, First Floor: 11400 sft, Second Floor: 11400 sft), 3) Single story fire control building: 75 sft, 4) Single story

	Gas Generator building: 685 sft, 5) Single story fire pump room (tin shed-01): 68 sft, 6) Single story Dumping store (tin shed-02): 600 sft, 7) Single story substation room (tin shed-03): 1060 sft, 8) Single story ansar camp (tin shed-04): 1550 sft, 9) Single story prefab compressor room: 691 sft, 10) Single story prefab diesel generator room: 960 sft.
Date of Building Construction:	Factory personnel informed the date of construction as follows: 1) Three story main production Building-01 (Young labels ltd): Finishing work of 3rd story ongoing, 2) Three story production building-02 (Young socks ltd.): Finishing work of 3rd story ongoing.
Date of Last Building Renovation/Addition:	No record for date of renovation was found from the factory personnel.
Ancillary Structures in Complex:	1) Single story fire control building, 2) Single story Gas Generator building, 3) Single story fire pump room (tin shed-01), 4) Single story Dumping store (tin shed-02), 5) Single story substation room (tin shed-03), 6) Single story ansar camp (tin shed-04), 7) Single story prefab compressor room, 8) Single story prefab diesel generator room.
Approximate Ancillary Structures Area (SF):	1) Single story fire control building: 75 sft, 2) Single story Gas Generator building: 685 sft, 3) Single story fire pump room (tin shed-01): 68 sft, 4) Single story Dumping store (tin shed-02): 600 sft, 5) Single story substation room (tin shed-03): 1060 sft, 6) Single story ansar camp (tin shed-04): 1550 sft, 7) Single story prefab compressor room: 691 sft, 8) Single story prefab diesel generator room: 960 sft.
Number of Occupants:	Total number of occupants: 489. 1) Three Story Main Production Building-01 (Young labels ltd): 201, (Ground Floor: 96, First Floor: 94, Second Floor: 11), 2) Three Story production Building-02 (Young Socks ltd.): 250 (Ground Floor: 78, First Floor: 110, Second Floor: 62), 3) Single story fire control building: 9, 4) Single story Gas Generator building: 1, 5) Single story fire pump room (tin shed-01): 0, 6) Single Story Dumping store (tin shed-02): 0, 7) Single story substation room (tin shed-03): 4, 8) Single story ansar camp (tin shed-04): 21, 9) Single story prefab compressor room: 2, 10) Single story prefab diesel generator room: 1.
Number of Ancillary 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) Single story fire control building: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 2) Single story gas generator building: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 3) Single story fire pump room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 4) Single story dumping store: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 5) Single story substation room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 6) Single story ansar camp: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 7) Single story compressor room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1. 8) Single story diesel generator room: 30 cm or 1.0 ft [2.5 m or 8.2 ft], 1, 0, 1.
Occupancy Type:	1) Three Story Production Building-01 (Young labels ltd): [Ground Floor: G2 (Cutting, printing, weaving of yarn, designing), F1 (Office), E4 (Conference room), H2 (Finished goods store, wastage store), First Floor: G2 (Cutting, shortening, lamination, Plate making), F1 (Office), E4 (Conference room), H2 (Finished goods store, wastage store), Second Floor: construction is going on], 2) Three Story production Building-02 (Young Socks ltd.): [Ground Floor: G2 (Knitting, Boarding, Sampling, winding), B2 (Childcare), H2 (Warehouse, store), E4 (Conference room), F1 (Office), First Floor: G2 (Ironing, inspection, Sampling, Packing), H2 (Warehouse, Finished goods store, Accessory store), F1 (Office), D1 (Doctors room), Second Floor: G2 (Packaging, Finishing), H2 (Finished goods store), E4 (Prayer room, Dining room)], 3) Single story fire control building: K (Fire control room), For more, please see the description.
Construction Type:	1) Three Story Production Building-01 (Young labels ltd): Type 1, 2) Three Story production Building-02 (Young Socks ltd.): Type 1, 3) Single story fire control building: Type 1, 4) Single story Gas Generator building: Type 1, 5) Single story fire pump room (tin shed-01): Non-rated, 6) Single story Dumping store (tin shed-02): Non-rated, 7) Single story substation room (tin shed-03): Non-rated, 8) Single story ansar camp (tin shed-04): Non-rated, 9) Single story prefab compressor room: Non-rated, 10) Single story prefab diesel generator room: Non-rated.
Height of Highest Occupied Floor Level Above Grade:	1) Three story production building-01 (Young labels ltd): 7.7 m or 25.26 ft, 2) Three story production building-02 (Young Socks ltd.): 7.7 m or 25.26 ft, 3) Single story fire control building: 30 cm or 1.00 ft above grade, 4) Single story Gas Generator building: 30 cm or 1.00 ft above grade, 5) Single story fire pump room (tin shed-

	01): 30 cm or 1.00 ft above grade, 6) Single story Dumping store (tin shed-02): 30 cm or 1.00 ft above grade, 7) Single story substation room (tin shed-03): 30 cm or 1.00 ft above grade, 8) Single story ansar camp (tin shed-04): 30 cm or 1.00 ft above grade, 9) Single story prefab compressor room: 30 cm or 1.00 ft above grade, 10) Single story prefab diesel generator room: 30 cm or 1.00 ft above grade.

ASSESSMENT FINDINGS

Fire Protection Construction

Question:	Certificates of Occupancy for each building have been issued and are on file.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	No occupancy certificate was available for any building on the factory premises.	
Source of Findings:	Document Review: 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 Savar Cantonment Board Authority for the issuance of an occupancy certificate and expedite the matter.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Are certificates of occupancy provided for each building or ancillary structure?	
Question:	Is the fire resistance materials of structural members in good condition and free of damage?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	There was no damage found in the fire resistance materials of the structural members in the RCC buildings. But the utility shed is steel structure without insulation, therefore non-rated. However, structural members of prefab shed seem to be in good condition. The single story masonry construction with tin roof is also non-rated. There is no structural member in this shed.	
Source of Findings:	Visual Assessment: On visual inspection, no damage or distress was noticed in the structural members of the buildings.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	BNBC Part 3 Chapter 3	
Question:	Are openings and penetrations through rated walls and/or assemblies protected?	 
Priority Level:	High	

Non-Compliance Level:	3	    
Description:	All the openings and penetrations through rated walls in the assessed buildings were found to be non-rated. Some major locations are stated below: On the ground floor of Young Socks Ltd., there is a sliding door and swinging door of the childcare room and the dye room beside the exit corridor which require opening protective barriers. On the ground floor of Young Labels Ltd., there are openings of the finished goods store beside the exit corridor which requires opening protective barriers. On the 1st floor of Young Socks Ltd.'s main building, the finished goods store has an unprotected opening. A similar opening was observed on different floors of Young Socks Limited and Young Labels Limited which require ratings as per the Alliance Standard.	
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 fire rated walls across the entire premises. Close these openings if they are not required.	
Suggested Deadline Date:	02 Oct 2014	
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:		
Description:	The slab thickness of type-1 buildings (Young Labels Ltd. & Young socks Ltd.) are 6 inch according to structural drawing. Fire resistance of 6 inch RCC slab is 2.5 hours. From physical measurement, slab thickness is found 7.5 inch with finishing, which is capable of providing approximately 3.5 hour fire resistance. According to Alliance Standard Section 4.4 or BNBC Table 3.3.1 (pg-10383), slab for a Type 1 building needs to have 3 hour fire rating. Therefore, the slab may be considered to have required fire rating of type-1 buildings to separate the floors. Other ancillary buildings are single story prefabricated sheds.	
Source of Findings:	Visual Assessment: From physical measurement slab thickness of type-1 buildings were found to be 7.5 inch with finishing. Other buildings were found non-rated.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:	No proper fire separations between mixed occupancies were noted as follows: the broad loom section and the corridor on the ground floor in the Young Label building were not separated by a fire-resistive rated construction barrier. The walls are separated with a glass partition. On the ground floor of Young Labels Ltd., there is an unprotected glass partition barrier between the printing section and the corridor which should be a required fire resistive rated construction.
Source of Findings:	Visual Assessment: Non-rated separations were found between various occupancies.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between the broad loom section and the corridor following Table 4.4.1 of the Alliance Standard. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	25 Dec 2014
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:	There are 3 stairways in the Young Label building, and 2 stairways in the Young Socks building. No fire doors were found on any floor of any building to separate stairways. The doors are of wooden or steel type and swinging. The exit doors in the enclosure need to be 1 hour rated as per clauses 4.5 and 4.6 of the Alliance Standard.
Source of Findings:	Visual Assessment: Exit enclosures were found without fire ratings.
Suggested Plan of Action:	Protect all egress stairs with a shaft enclosure including fire-rated construction. Provide 1 hour fire-resistive rated construction barriers at exit enclosures. Fit outward-opening, side-swinging, self-closing, non-lockable fire doors of a 1 hour rating in all stairwell enclosures. Consult a qualified fire protection engineer to design the required rated construction barriers.
Suggested Deadline Date:	02 Oct 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation

Question:	Are shafts provided with the minimum fire-resistance rating?
Priority Level:	High

Non-Compliance Level:	
Description:	There is no shaft available in the building.
Source of Findings:	Visual Assessment: No shaft found in the factory premises.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 4 Section 4.5.7.1 through 4.5.7.3
Question:	Fire dampers installed on air-conditioning and ventilation ducts appear to be in good condition and operational.
Priority Level:	Medium
Non-Compliance Level:	
Description:	No central air-condition and ventilation exist in the building and so that no fire damper required.
Source of Findings:	Visual Assessment: No central air-condition or ventilation available in the factory building.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations
Question:	If the building contains a vertical opening known as an atrium, have provisions been made to comply with Alliance Standard 3.7?
Priority Level:	Medium
Non-Compliance Level:	
Description:	No atrium available in main building.
Source of Findings:	Visual Assessment: No atrium was found.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Section 3.7 Atrium

Fire Protection Systems

Question:	Is the building protected by an automatic sprinkler system?	
Priority Level:	High	
Non-Compliance Level:		
Description:	Though sprinkler is found in ware house on 1st floor of Young socks ltd, sprinkler system is not required for the whole building as the buildings are of 3 story and height of 25.26 ft of type-1(RCC). 1.e below 23m(75ft).	
Source of Findings:	Visual Assessment: During site tour, the height of the buildings were measured and it was realized that sprinkler system is not required for the buildings.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 3 Section 3.5.3 Existing Buildings, Part 5 Section 5.3 Automatic Sprinkler Systems and Section 6.13 Travel Distance	
Question:	Design criteria of sprinkler system?	
Priority Level:		
Non-Compliance Level:		
Description:	As an automatic sprinkler system is not required for the building, design criteria of sprinkler system is not applicable. Existing sprinkler system has no approved design.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Provide the criteria used in the design of the sprinkler system.	
Question:	Commodity Class used for the design of the sprinkler system?	
Priority Level:		
Non-Compliance Level:		
Description:	Though sprinkler is found in the store, ware house of Young socks ltd, sprinkler system is not required for the whole building as the buildings are of 3 story and height of 25.26ft of type-1(RCC).	
Source of Findings:		

Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 13 Chapter 5	
Question:	Occupancy Classification used for the design of the sprinkler system?	
Priority Level:		
Non-Compliance Level:		
Description:	As an automatic sprinkler system is not required for the building, occupancy classification used for the design of sprinkler system is not applicable. Existing sprinkler system has no design.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 13 Chapter 5	
Question:	Are inspection, maintenance, and testing procedures of the sprinkler system documented and up to date?	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. No relevant documents regarding the said issue of existing sprinkler system is not found.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
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:		

Description:	Not applicable because an automatic sprinkler system is not required. No signage of existing sprinkler is not found.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 13	
Question:	Sprinkler system piping is free of mechanical damage, leakage, and corrosion.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with NFPA 20 and no mechanical damage, leakage, and corrosion is found of existing sprinkler system.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	NFPA 25 Chapter 5 Section 5.2.2 Pipe and Fittings	
Question:	Sprinkler system piping is not subjected to external loads by materials either resting on the pipe or hung from the pipe?	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 25 Chapter 5 Section 5.2.2.2	
Question:	Are hangers, bracing, and restraints properly installed and supporting the system piping?	

Priority Level:	Medium	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 13 Chapter 9 Hanging, Bracing, and Restraint of System Piping.	
Question:	Sprinklers do not show signs of leakage, are free of corrosion, have not been painted, and are not physically damaged.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 25 Chapter 5	
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:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		

Standard:	Reference Alliance Standard Part 5 Section 5.3.5 Supervision and Alarms.	
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:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 5 Section 5.3.5.2 Alarms.	
Question:	Are sprinklers spaced and installed at the required heights in order to provided required coverage and protection?	
Priority Level:	High	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 13	
Question:	Are storage racks and shelves compliant based on class of commodity storage?	
Priority Level:	High	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		

Suggested Deadline Date:		
Standard:	Reference NFPA 13 Chapter 13, 14, 15, 16, or 17	
Question:	Aisles in storage areas are free of storage based on design criteria used for the sprinkler system.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 5 Section 5.3.6.3	
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:		
Description:	Not applicable because an automatic sprinkler system is not required. The existing system is not compliant with the requirement of NFPA 20.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 5 Section 5.3.6.1 Storage Clearance	
Question:	Does the building have a Standpipe System?	
Priority Level:	High	
Non-Compliance Level:		
Description:	Standpipe system is not required for any of the buildings or structures since height of the highest occupied level of the main building is 7 m or 25.26 ft (i.e. below 10m or 32.8 ft). Other buildings are shorter than main building. Yet there is a standpipe system and sprinkler in the store of young socks building.	

Source of Findings:	Visual Assessment: Although standpipe system was not required throughout the factory premises, standpipe system was available in Young Socks Ltd.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
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:		
Description:	Standpipe system is not required in the premises. However, there is a standpipe system installed in the premises. But, there is no test and maintenance plan and record for testing and maintaining of stand pipe system as per requirement of NFPA 25 Chapter 6 Table 6.1.1.2.	
Source of Findings:	Visual Assessment: Standpipe system was not required for the building. No documents regarding inspection, maintenance, and testing procedures of the standpipe and hose system was found.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:		
Description:	Standpipe system is not needed in the premises. However, there is a standpipe system installed in the premises. But, signage for the standpipe system not installed at required locations of stand pipe system as per requirement of NFPA 14 Chapter 6.	
Source of Findings:	Visual Assessment: Signage for the standpipe system is not installed in the building.	
Suggested Plan of Action:		
Suggested Deadline		

Date:		
Standard:	Reference NFPA 14 Chapter 6	
Question:	Standpipe system piping is free of mechanical damage, leakage, and corrosion?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Standpipe system is not needed in the premises. However, there is a standpipe system installed in the premises. Existing standpipe system is free of mechanical damage, leakage, and corrosion as per requirement of NFPA 14 Chapter 6.	
Source of Findings:	Visual Assessment: Existing standpipe system was free from leakage, damage, corrosion.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	NFPA 25 Chapter 6 Standpipe and Hose Systems	
Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	A fire department (Siamese) inlet connection is not provided to allow fire department pumper equipment to supplement the fire protection systems as per the Alliance Standard.	
Source of Findings:	Visual Assessment: Outlet connection (pillar hydrant) was available in the factory premises but an outlet connection is not found.	
Suggested Plan of Action:	Provide fire department (Siamese) inlet connections 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 Defense hose thread standard.	
Suggested Deadline Date:	25 Dec 2014	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	

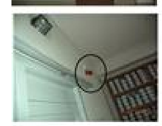
Question:	Does the building have a fire pump?	
Priority Level:	High	
Non-Compliance Level:		
Description:	Dedicated fire pump is not required for the building as standpipe and sprinkler system is not required. A Fire pump set is available with backup power, however it does not comply with the requirements of Alliance Standards and NFPA 20. Hydraulic calculation for installed standpipe and sprinkler systems is not also available. Therefore, required capacity of fire pump is not known. Suction lift is used whereas suction head required as per NFPA 20. Additionally detail design of pump components & layout as per NFPA 20 not found during the Audit.	
Source of Findings:	Visual Assessment: A dedicated fire pump is available in the factory premises but fire pump is not required.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Fire pump is not required for the factory premises. As sprinkler and standpipe system is available in different buildings so that they have a dedicated fire pump. No relevant documents regarding inspection, maintenance, and testing procedures of the fire pump are found.	
Source of Findings:	Visual Assessment: No relevant document was found.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps	

Question:	Are portable fire extinguishers installed throughout the building at required locations and mounted at the correct height?
Priority Level:	Medium
Non-Compliance Level:	
Description:	Portable extinguishers are installed within 100 ft travel distance and at 4.25 ft maximum height above floor as per BNBC Part 4 Section 4.10 and NFPA 10.
Source of Findings:	Visual Assessment: Fire extinguisher mounted at 4.25 ft height.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	BNBC Part 4 Section 4.10 and NFPA 10

Question:	Portable fire extinguishers have been selected based on potential fire class and hazards?
Priority Level:	Medium
Non-Compliance Level:	
Description:	Portable fire extinguishers have been placed according to potential fire class and hazards. Foam, Carbon dioxide and Dry chemical extinguishers are installed throughout the buildings based on fire class and hazard.
Source of Findings:	Visual Assessment: On visual inspection, extinguishers were found placed based on fire class.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	NFPA 10 Chapter 5

Question:	Fire extinguishers are inspected, tested, and maintained as required.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Extinguishers are inspected monthly by the factory's concerned people, but no document was found in support of the annual maintenance of extinguishers by a servicing agent and the annual testing of the nozzles of CO2 extinguishers. These are required as per NFPA 10.
Source of Findings:	Visual Assessment: Monthly records of inspection, testing and maintenance was found, but annual maintenance records were not found.

Suggested Plan of Action:	Inspect, test, and maintain fire extinguishers in accordance with NFPA requirements.	
Suggested Deadline Date:	25 Dec 2014	
Standard:	NFPA 10 Chapter 7	
Question:	Are there any other fire suppression systems installed within the building?	
Priority Level:		
Non-Compliance Level:		
Description:	The buildings does not require sprinkler system and standpipe system, yet automatic sprinkler system in store and class II standpipe system is installed, which is performed as a fire suppression system.	
Source of Findings:	Visual Assessment: Sprinkler system in store and ware house and standpipe system are found in the factory building as a fire suppression system.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:		
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:	2	
Description:	Although an automatic fire alarm and detection system is available in the factory, currently there is no monitoring company in Bangladesh. The Fire Service and Civil Defense are not capable of monitoring the fire alarm and detection systems of the factories.	
Source of Findings:	Visual Assessment: Fire alarm and detection system is monitored centrally but not connected to the Fire Service and Civil Defense.	
Suggested Plan of Action:	Arrange for direct connection of the fire alarm system to a central monitoring station or Fire Service and Civil Defense as per the Alliance Standard. Until such time as monitoring can be set up, arrange a monitoring system using the factory's own central detection system and personnel. 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:	07 Aug 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	

Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Centralized automatic fire alarm and smoke/heat detection system with control panel is available and trouble or alarm notifications are indicated on the fire alarm control panel.	
Source of Findings:	Visual Assessment: On visual inspection, centralized alarm and detection system was found in the factory premise.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:		
Description:	Pull stations, smoke detectors, visual and audible devices are placed where required but approved shop drawing was not found.	
Source of Findings:	Visual Assessment: During site tour, pull station, smoke detector, audible alarm, visual alarm were not found as required.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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	
Means of Egress		
Question:	Occupant loads on each level (floor) do not exceed the capacity of the available means of egress.	
Priority Level:	High	
Non-Compliance Level:		
Description:	On 1st floor of Young Socks building and GF of Young Labels ltd., occupant	

	load is 110 and 96 respectively, which is maximum of all floors. The floor area is 11400 sft and 16170 sft, so space per occupant is 103.63 sft and 168 sft , which is more than required 25 sft according to Alliance Standard Part 6 Section 6.4.2.1. Available means of egress also meet the requirement of this occupant load.	
Source of Findings:	Visual Assessment: No. of occupants was counted from register. Widths of exit doors and stairs of the concerned floor were measured.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.4 Occupant Load	
Question:	Occupied roofs are provided with the minimum number of exits required as a story.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Roofs of the buildings are unoccupied.	
Source of Findings:	Visual Assessment: Roof was unoccupied.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.6 Number of Means of Egress	
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:		
Description:	The roofs are not occupied, therefore parapet is not applicable in this case. Yet parapet is found 36 inch.	
Source of Findings:	Visual Assessment: Roof is not occupied.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:	2
Description:	Occupant loads are not posted in a conspicuous space near the main exits or exit access doorways as required.
Source of Findings:	Visual Assessment: Occupant loads are not posted anywhere in the factory premises.
Suggested Plan of Action:	Post the occupant load for every assembly and production floor in the facility in a conspicuous space near the main exit or exit access doorway for the space as per Alliance Standards.
Suggested Deadline Date:	24 Jul 2014
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load

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:	
Description:	Aisles satisfy the minimum and total width requirement in all locations.
Source of Findings:	Visual Assessment: Visually no obstruction found in aisles and from measurement and calculation, total width is found sufficient.
Suggested Plan of Action:	
Suggested Deadline Date:	
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:	
Description:	Aisle, exit door and stair widths comply the requirements of Alliance Standard Part 6 Section 6.5.4 or BNBC Part 4 Table 4.3.2.
Source of Findings:	Visual Assessment: Widths of aisles, exit doors and stairs are measured on sample basis.

Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width and BNBC Table 4.3.2	
Question:	Means of egress have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6 ft 8 in.).	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	The minimum ceiling height along the means of egress is more than 2.3 m (7 ft 6 in.) and the minimum height at projection is also more than 2.03 m (6 ft 8 in.).	
Source of Findings:	Visual Assessment: Ceiling height was measured on sample basis.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.3 Headroom	
Question:	Exit discharge is directly to the exterior of the building, unless the requirements of 6.17.2 are met, at grade or provides direct access to grade. Exit discharge shall not reenter a building.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Exit discharges are directly to the exterior of the building and do not reenter in a building.	
Source of Findings:	Visual Assessment: On visual inspection, it was observed that exit discharge meets the exterior of the building.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.17 Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.	
Question:	Travel distance to reach an exit does not exceed the maximum distance allowed by Occupancy Type.	
Priority Level:	High	

Non-Compliance Level:		
Description:	Maximum travel distance for one exit is 25m (i.e. below 45m). Automatic fire detection system, portable fire extinguishers are provided in accordance with Alliance Standard. This is in compliance with Alliance Standard Part 6 Section 13 and BNBC Part 4 Section 3.15.1.	
Source of Findings:	Visual Assessment: Travel distances are measured on sample basis.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 13 Travel Distance and BNBC Part 4 Section 3.15.1	
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:	3	
Description:	There are six access corridors serving an occupant load exceeding 30 on the 1st floor of Young Labels Limited which is not protected by a 1 hour fire-resistant construction. In every corridor, there are glass windows and wooden door openings. In corridor one, the opening of the maintenance staff room, the electrical room at one side, and the opening of the office on another side are not provided with 0.75 hour rated opening protective assemblies. In corridor two, the opening of the printing section, the cutting section, the QI Room, the warehouse, the office on one side, and the opening of the lamination section, the printing section, and the stock yarn room waste storage room on another side are not provided with 1.5 hour rated opening protective assemblies. In corridor three, the opening of the raw materials store on one side and the opening of the waste storage and the daily purpose yarn room on another side are not provided with 1.5 hour rated opening protective assemblies. In corridor four, the opening of the stock yarn store on one side and the opening of the raw materials store on another side are not provided with 1.5 hour rated opening protective assemblies. In corridors five and six, the opening of the cutting section on one side and the opening of office room on another side are not provided with 0.75 hour rated opening protective assemblies as required by Alliance Standard Part 6 Section 6.3.1.1.	
Source of Findings:	Visual Assessment: Wall separating the corridor was measured for thickness and investigated for unprotected openings.	
Suggested Plan of Action:	Provide fire-resistive rated assemblies at the required exit access corridors. The rated assembly should be approved and designed by a qualified fire protection engineer. Exit access corridors serving an occupant load exceeding 30 are to be separated by walls having a fire resistance rating of 1 hour in accordance with 4.5 unless provided with automatic sprinkler protection throughout the story or building.	
Suggested Deadline	02 Oct 2014	

Date:		
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:	Interior finishes for means of egress meet the rating requirements for Class A, B and C materials.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	The interior finish of the means of egress is tiles, plaster and non-combustible paint. Columns are covered by tiles.	
Source of Findings:	Visual Assessment: Interior finishes are of non-combustible materials.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.2 Interior Finish	
Question:	Exits are limited to Class A and Class B interior materials.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Exits are made of brick walls, wooden doors & glass doors.	
Source of Findings:	Visual Assessment: During site tour, interior materials of exits were observed.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.2 Interior Finish	
Question:	The number of means of egress from any floor or story is not less than 2 except where a single exit is permitted or where a greater number is required.	
Priority Level:	High	
Non-Compliance Level:		
Description:	In Young Socks Limited and Young Labels Ltd. the number of means of egress from any floor is 2 and 3 respectively. Based on occupant load, required maximum no. of stairs is 2 for both of the building. In other buildings also, number of means of egress is not less than that required.	
Source of Findings:	Visual Assessment: Minimum two means of egress are available at every floor.	

Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.6 Number of Means of Egress	
Question:	The number of means of egress from any floor or story is not less than 3 when the occupant load exceeds 500 per story and not less than 4 when the occupant load exceeds 1000 per story.	
Priority Level:	High	
Non-Compliance Level:		
Description:	There is no floor or story with over 500 occupants so that the issue is not applicable.	
Source of Findings:	Visual Assessment: No floor exceeding occupant load 500 available.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.6 Number of Means of Egress	
Question:	All paths of egress are provided with compliant means of illumination.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	All paths of egress are not provided with compliant means of illumination. Ordinary CFL bulbs are used as emergency lights, which do not provide sufficient illumination as required in accordance with Alliance Standards.	
Source of Findings:	Visual Assessment: Aisles, exit access corridors, exit doors, and stairways were found insufficiently illuminated.	
Suggested Plan of Action:	Install appropriate means of illumination throughout all paths of egress. The means of egress paths shall be illuminated at all times the building is occupied. Illumination shall be a minimum of 10 lux for all corridors, exit doors, and stairways. Aisles shall be provided with a minimum 2.5 lux.	
Suggested Deadline Date:	25 Dec 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:	Means of egress are free from impediments, obstructions, and stored materials.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Aisles, exit access corridors, staircases are not blocked at any location.	
Source of Findings:	Visual Assessment: Aisles, corridors, exit doors and stairways were found free.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.8 Impediments to means of egress and Section 6.3.9 Reliability	
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:	Records of verifying emergency power for means of egress illumination were not found as required.	
Source of Findings:	Visual Assessment: 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:	Verify emergency power for egress lights at least once per year. If battery operated lights are used, test them monthly. Perform annual functional testing of battery powered lights for at least 30 minutes. Ref. 10.12.2.3.	
Suggested Deadline Date:	07 Aug 2014	
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting	
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 steel sliding doors and steel leaf doors with locking arrangements at	

	each egress location. This violates Alliance Standards.	
Source of Findings:	Visual Assessment: Locking devices were found 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:	24 Jul 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:	The door widths meet the minimum requirement, but ratings of the doors are not acceptable since the doors are wooden or steel type doors which are non-rated.	
Source of Findings:	Visual Assessment: Doors along the path of egress are not fire door.	
Suggested Plan of Action:	Provide 1 hour fire protective opening assemblies in 1 hour rated exit enclosures.	
Suggested Deadline Date:	02 Oct 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, and wooden swinging doors (MD and chairman room to main exit) with locking arrangements at each egress location. This violates the Alliance Standard.	
Source of Findings:	Photograph: A collapsible door was found at exit point.	
Suggested Plan of Action:	Replace all non-compliant doors and frames in the means of egress with doors that are listed, approved, automatic-closing, side-swinging, fire rated doors in compatible fire rated frames with latching panic hardware.	
Suggested Deadline Date:	02 Oct 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	

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. This condition fails to satisfy the requirements of the Alliance Standards.	
Source of Findings:	Visual Assessment: There is no exit sign at change in direction of egress path.	
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 as per the Alliance Standard.	
Suggested Deadline Date:	25 Dec 2014	
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	
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:		
Description:	There is no such elevation difference detected.	
Source of Findings:	Visual Assessment: No change in elevation of walking surface exceeding 1/4 inch	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.4 Walking Surfaces	
Question:	Illuminated exit signs are provided with battery backup or emergency power and are continuously illuminated.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Illuminated exit signs are provided with IPS backup for continuous illumination.	
Source of Findings:	Visual Assessment: IPS backup for emergency power was available.	

Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.11 Exit Signs and Part 10 Section 10.12 Illumination of Exit Signs and Means of Escape	
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.	
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 signs shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum of 90 minutes, once per year.	
Suggested Deadline Date:	07 Aug 2014	
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.	
Question:	Exit signs have appropriate illumination levels and contrasting graphics.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Exit signs have appropriate illumination level and contrasting graphics.	
Source of Findings:	Visual Assessment: Exit sign with appropriate illumination level.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs	

Question:	Walking surfaces along the path of egress are uniformly slip resistant.
Priority Level:	Medium
Non-Compliance Level:	
Description:	Walking surfaces along the path of egress are of homogenous tiles, these tiles are not slippery and will not cause slip during quick evacuation under emergency situation.
Source of Findings:	Visual Assessment: Walking surface of non-slippery tiles.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 6 Section 6.3.6 Slip Resistance

Question:	Stairs are constructed of noncombustible materials.
Priority Level:	Low
Non-Compliance Level:	
Description:	All the Stairs of Young label and young sock buildings are made of concrete. All other buildings are of single story where no stair required.
Source of Findings:	Visual Assessment: All the stairs were made of RC casting.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs

Question:	Stairs have a minimum width of 0.9 m (35 in.).
Priority Level:	High
Non-Compliance Level:	
Description:	Minimum stair width in the factory premises is 42 inch which is greater than required 35 inch.
Source of Findings:	Visual Assessment: Stair width above 35 inch.
Suggested Plan of Action:	
Suggested Deadline Date:	

Standard:	Alliance Standard Part 6 Section 6.5 Egress Width. Applies to existing construction.	
Question:	Stair treads are of nominal uniformity.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Stair treads and risers are of nominal uniformity.	
Source of Findings:	Visual Assessment: Uniform stair treads were available.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.9 Stairs. Any tread height exceeding more than 50% of the adjacent tread heights or 75 mm (3 in.), whichever is less, shall be modified to be within this tolerance	
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:		
Description:	Landings are provided on both sides of doors. Landings are sufficiently wide such that doors do not swing out over stairs.	
Source of Findings:	Visual Assessment: Landing on both sides of door of the stair.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Landings are provided with the same width in the direction of egress travel as the stair clear width provided at each level and at intermediate landings. Existing landings that are less than the stair width, shall reduce the overall available capacity of the stair.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Landings are of same width in the direction of egress as the stair width.	
Source of Findings:	Visual Assessment: Landings are of same width as the stair width.	

Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and Section 6.5	
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:	All stairways have handrails on one side, and this is not allowed as per the Alliance Standard.	
Source of Findings:	Visual Assessment: None of the stairs have handrails on both sides.	
Suggested Plan of Action:	Provide handrails on both sides of each stairway. Provide an intermediate handrail when the stair width exceeds 2.2 m (87 inches). Provide handrails of a height between the range of 865 mm (34 in.) and 965 mm (38 in.) as per the Alliance Standard.	
Suggested Deadline Date:	25 Dec 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:		
Description:	Both of the main buildings are 3 story building. As per Alliance standard, re-entry door is required for more than 3-story building. As the said building is occupied up to 3-story so that reentry door is not required.	
Source of Findings:	Visual Assessment: The highest 3 story building is available in the factory premises.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:		
Description:	There is no external stair in the building.	
Source of Findings:	Visual Assessment: External stair not found.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:		
Description:	All the stairs are terminate directly to the exterior of the building.	
Source of Findings:	Visual Assessment: No exit passageway was found.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.14 Exit Enclosures	
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:	The floor level and stairway designation are not mentioned in English and Bengali.	
Source of Findings:	Visual Assessment: Floor level and stair name are not posted.	
Suggested Plan of Action:	Install signage adjacent to each stairway door indicating the stairway name and the floor level in accordance with the Alliance Standard.	
Suggested Deadline Date:	07 Aug 2014	

Standard:	Alliance Standard Part 6 Section 6.9 Stairs	
Question:	Stairwells are not utilized as storage spaces.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Stairwells are free from storage.	
Source of Findings:	Visual Assessment: Stairwells are free from obstructions.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 13 Section 13.9 Safety Inspections	
Question:	Ramps used in a means of egress do not reduce the overall means of egress width. The minimum width shall be 1.1 m (44 in.).	
Priority Level:	High	
Non-Compliance Level:		
Description:	68 inch wide ramp at the Broad loom section on the ground floor of the young label building is found which does not reduces the effective width of the corridor.	
Source of Findings:	Visual Assessment: Ramp width not reduced the means of egress.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 10 Ramps	
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:	The slope of the ramp is 1 in 6 which is greater than 1 in 8, and handrails are not provided on both sides, which violates the Alliance Standard.	
Source of Findings:	Visual Assessment: Ramp has slope of more than 1 in 8.	
Suggested Plan of Action:	Reconstruct the ramp with a slope of 1 in 12 and provide handrails on both sides of the ramp.	

Suggested Deadline Date:	25 Dec 2014	
Standard:	Alliance Standard Part 6 Section 10 Ramps	
Fire Safety Programs		
Question:	A Fire Safety Director position has been filled.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	No viable documentation or physical presence of a Fire Safety Director was noted.	
Source of Findings:	Visual Assessment: No record of filling the position of Fire Safety Director 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 out the required duties. The duties of the Fire Safety Director shall include the following: (1) Establish internal and external rally points and communicate them to all employees in the building. (2) Fire department pre-planning. (3) Conduct safety inspections as outlined in Alliance Standard. (4) Ensure all testing of fire protection equipment is conducted in accordance with Alliance Standard.	
Suggested Deadline Date:	25 Dec 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	An emergency evacuation plan has been developed and communicated to all employees.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Workers are aware of the evacuation procedure upon the commencement of the alarm. However, no document defining the evacuation process is available.	
Source of Findings:	Visual Assessment: No documents found on the day of audit.	
Suggested Plan of Action:	Develop an emergency evacuation plan which includes the duties and responsibilities of various people/groups, interfacing between groups and the fire brigade, headcount and identification of trapped victims, physically disabled people and their rescue, etc.	
Suggested Deadline Date:	07 Aug 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	

Question:	Emergency egress maps are posted at the entrance to each exit stair or main point of egress.
Priority Level:	Medium
Non-Compliance Level:	
Description:	Emergency egress maps are posted near the staircase at each floor level of the building.
Source of Findings:	Visual Assessment: Emergency egress map found near the exit at each floor level.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standards Part 13 Section 13.4 Evacuation Plan
Question:	Fire Department pre-planning has been completed.
Priority Level:	Low
Non-Compliance Level:	1
Description:	Fire department pre-planning was not completed.
Source of Findings:	Visual Assessment: No document regarding fire department pre-planning has been found among the documents shown by factory personnel.
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense in accordance with Alliance Standards.
Suggested Deadline Date:	07 Aug 2014
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director
Question:	Fire Drills are conducted at required intervals based on building use type.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Fire drills are conducted twice a month in the main buildings, but are not conducted under the direction of a Fire Safety Director. This does not meet the requirements of Alliance Standards.
Source of Findings:	Visual Assessment: Fire drills were not conducted with the direction of a Fire Safety Director.
Suggested Plan of Action:	Fire drills are to be conducted under the direction of a Fire Safety Director on a quarterly basis as per BNBC requirements.

Suggested Deadline Date:	07 Aug 2014	
Standard:	Alliance Standards Part 13 Section 13.3 Fire Drills	
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:		
Description:	Required number of people are not trained and certified in fire fighting, first aid and rescue training.	
Source of Findings:	Visual Assessment: Certificated regarding fire safety from Fire service and civil defense was found.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 13 Human Element Programs	
Question:	A written housekeeping policy is established and enforced.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Documents regarding written housekeeping policy was found.	
Source of Findings:	Visual Assessment: A written housekeeping policy was found.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:	Work involving welding, grinding, etc. is taking place on the premises. A hot-work permit program has not been established. It is required as per the Alliance Standards.	
Source of Findings:	Photograph: No hot-work permit could be presented by the factory personnel.	

Suggested Plan of Action:	Develop a hot-work permit program. 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 procedures, duration and expiry of permit and reapproval procedures, etc.	
Suggested Deadline Date:	25 Dec 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Storage areas underneath the cutting tables are clear of combustibles.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	No cutting table found on the day of audit in the building.	
Source of Findings:	Visual Assessment: No cutting table found on the day of audit.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.	
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No record of a training program on fire safety was available.	
Source of Findings:	Visual Assessment: Safety training curriculum was not found among the documents shown by factory personnel	
Suggested Plan of Action:	Impart training in accordance with the Alliance Safety Training Curriculum and keep records with proper documentation.	
Suggested Deadline Date:	07 Aug 2014	
Standard:	Alliance Standards Part 13	
Question:	Smoking is only allowed at designated areas.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Smoking is not allowed in the factory premises.	

Source of Findings:	Visual Assessment: Smoking is strictly prohibited in the factory premise.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 13 Section 13.5 Smoking	
Question:	Are all applicable permits up to date including Fire License & Boiler License.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Trade license, fire license, Boiler license, Factory license, as build drawing are available.	
Source of Findings:	Visual Assessment: All applicable permits were available.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 13 Human Element Programs	
Question:	Are there additional areas of non-compliance to report?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	There is a non-rated door in the childcare room on the ground floor of the Young Socks building which is adjacent to the production floor. There is a residence used for Ansar Camp on the premises.	
Source of Findings:	Visual Assessment: A non-rated steel sliding door is found in childcare room on ground floor of Young Socks building.	
Suggested Plan of Action:	Provide opening protectives at all windows and other openings on all fire rated walls across the entire premises as per Alliance Standards.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Not Applicable	