INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name:	**Shore To Shore Textiles Ltd.**
Address:	**Plot# 224-233, Adamjee EPZ, Shiddirgonj, Narayangonj Siddirgonj Dhaka Bangladesh**
Assessor:	**Emkay Enterprises LTD**
Date:	**03 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:	Shore To Shore Textiles Ltd.
Address:	Plot# 224-233, Adamjee EPZ, Shiddirgonj, Narayangonj Siddirgonj Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Siddirgonj
Zip Code:	1431
Audit Duration:	01 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	10 June 2014
Final Report Date:	To be filled out by the “Alliance QA” representative
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 5 Buildings: 1. Main Building - 1; 2. Main Building - 2; 3. Ancillary Building - 1; 4. Ancillary Building - 2; 5. Ancillary Building - 3.
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	1. Main Building-1: 2-stories; 2. Main Building-2: 3-stories.
Approximate Building Area (SF):	Total square footage is 280,562 SF. 1. Main Building-1: 250,633 SF,(GF: 146,184 SF,1st Floor: 104,449 SF); 2. Main Building-2: 29,929 SF, (GF: 19,911 SF, 1st Floor: 5009 SF, 2nd floor: 5009 SF).
Date of Building Construction:	2010-2013
Date of Last Building Renovation/Addition:	N/A
Ancillary Structures in Complex:	1. Ancillary Building -1; 2. Ancillary Building -2 ; 3. Ancillary Building -3.
Approximate Ancillary Structures Area (SF):	Total square footage is 18,266 SF. 1. Ancillary Building -1: 16,816 SF; 2. Ancillary Building -2: 1,100 SF, (GF: 550 SF, 1st Floor: 550 SF); 3. Ancillary Building -3: 350 SF.

Number of Occupants:	Total Occupant Load is 2,500 occupants. 1. Main Building-1: 2100 occupants(GF: 300 occupants,1st Floor: 1800 occupants); 2. Main Building-2: 370 occupants(GF: 300 occupants, 1st Floor: 40 occupants, 2nd floor: 30 occupants); 3. Ancillary Building -1: 10 occupants; 4. Ancillary Building -2: 10 occupants(GF: 5 occupants, 1st Floor: 5 occupants); 5. Ancillary Building -3: 10 occupants.
Number of Ancillary Levels (Stories):	1. Ancillary Building-1: 1-story; 2. Ancillary Building-2: 2-stories; 3. Ancillary Building-3: 1-story.
Occupancy Type:	1. Main Building-1: G2 (Garments); 2. Main Building-2: G2 (Accessories); 3. Ancillary Building-1: E2 (Canteen); 4. Ancillary Building-2: K (Substation); 5. Ancillary Building-3: K (Guard Room).
Construction Type:	1. Main Building-1: Non-rated (Prefabricated steel building); 2. Main Building-2: GF through 1st floor: Type-1, 2nd floor: non-rated (RCC frame with steel shed roof); 3. Ancillary Building-1: Non-rated (Prefabricated steel building); 4. Ancillary Building-2: GF: Type -1, 1st floor: Non-rated (RCC frame with steel shed roof); 5. Ancillary Building-3: Type-1 (RCC frame building).
Height of Highest Occupied Floor Level Above Grade:	1. Main Building-1: 8.53 m (28 ft); 2. Main Building-2: 7.01 m (23 ft); 3. Ancillary Building -1: 0 m (0 ft); 4. Ancillary Building -2: 3.81 m (12.5 ft); 5. Ancillary Building -3: 0 m (0 ft).

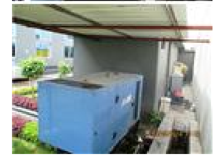
ASSESSMENT FINDINGS

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:	Occupancy certificate was not available for any of the building during this assessment.	
Source of Findings:	Document Review: No occupancy certificate has been shown.	
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:	07 Oct 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:	From visual inspection all structural members of all buildings in this factory premises were found free of damage during assessment.	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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:	Exits were not protected by continuous fire rated assemblies. Unprotected non-rated glass windows were noticed between 1st floor production area and	

	warehouse area and unprotected doors and ventilation openings were noticed in this warehouse area of Main building-1.	
Source of Findings:	Photograph: Unprotected opening of warehouse	
Suggested Plan of Action:	Provide required fire-resistive rated opening protection (Door, Window, etc.) at opening (0.75 hour for warehouse). Fire door assemblies shall conform to NFPA 252, BS 476 Part 22, EN 1364-1, GB 12955-2008, or IS 3614 Part II. Fire window shall conform to NFPA 257 or British, European, Chinese, or Indian standard for fire window tests. Heat and smoke vent shall be in accordance with Alliance Standard Section 5.8. Vents shall be protected with a listed through penetration. Assign a qualified fire protection engineer/ fire expert for designing the fire door, fire window, smoke and heat vent, etc.	
Suggested Deadline Date:	18 Nov 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:	3	
Description:	Typical slab thickness was 150 mm but some penetrations were noted around the standpipe system at 1st floor and unprotected penetration was found 1st floor slab as internal steel stairs were provided in seven locations of Main building-1.	
Source of Findings:	Photograph: 01. Floor penetration around conduit. 02. Unprotected floor penetration for installing non-rated internal stair.	
Suggested Plan of Action:	Provide fire-resistive penetration protection for rated floor assemblies. Stairs shall be enclosed and separated with 1-hour fire resistive rated construction and 0.75-hour opening protection. Consult a qualified fire protection engineer to design the rated construction barriers, sealing and the remediation work.	
Suggested Deadline Date:	18 Nov 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	

Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	1. A Generator was located in an unprotected room, 250 mm (10 in.) brick wall with tin shed roof and non-rated opening, on the ground floor of Ancillary Building-2 adjacent to Main Building-1. 2. Another generator was located in open condition beside Ancillary Building-3. 3. Oil filled transformer was located in an unprotected room, 250 mm (10 in.) on one side and 125 mm (5 in.) brick walls with non-rated opening on the other side, on the ground floor of Ancillary Building-2 adjacent to Main Building-1. Electrical switchgear also placed in this room without fire separation with oil filled transformer section. 4. No fire barrier was available at finished goods storage area on the ground floor of Main Building-1.
Source of Findings:	Photograph: 1. & 2. Unprotected Generators, 3. Oil filled transformer, 4. Open finished goods store.
Suggested Plan of Action:	Generator shall be separated from the surrounding occupancy with a minimum 2-hours fire rated construction with 1.5-hours fire rated opening protection. Oil filled transformer for non high rise building shall be separated from the surrounding occupancy with a minimum 2-hours fire rated construction with 1.5-hours fire rated opening protection. Rooms used for storage of combustible materials, boiler shall be separated from the surrounding occupancy with a minimum 1-hour fire rated construction with 0.75-hour fire rated opening protection. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	10 Feb 2015
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:	Exits enclosures are not fully protected by continuous fire rated assemblies. 1. Main Building-1 is 2-stories prefabricated steel structure. No construction barrier is provided around the seven exit stairs. 2. Approximately 10% of Main Building-2 is 3-stories RCC structure with tin shed roof. Non-rated glass partition was noticed at one side of one stairwell of this building and no fire-rated door was installed in this stairwell.
Source of Findings:	Photograph: 1. Exit enclosures of Main Building-1, 2. Exit enclosure of Main Building-2
Suggested Plan of Action:	Provide 1-hour fire-resistance rated construction barriers at exit enclosures with 0.75-hour fire-rated opening protection (Door, window, etc.). Fire doors shall be of the side-hinged, swinging type and shall swing in the direction of egress, auto closure and panic bar and without locking arrangement as per Alliance Standards Part 6 Section 6.8 Doors and Gates. Required total width


	of the fire rated door shall be calculated as per Alliance Standard Section 6.5 and minimum width of new fire rated door will 0.9 m (32 in.) in accordance with Alliance Standard Section 6.5.6.2.2. Consult a qualified fire protection engineer to design the required rated construction barriers with opening protection.	
Suggested Deadline Date:	18 Nov 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:	A vertical shaft (elevator shaft) was noticed at Main building-1 and the shaft was fire protected.	
Source of Findings:	Photograph: Protected elevator shaft	
Suggested Plan of Action:	Not applicable	
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:	Not applicable. Air-conditioning ducts were noticed at 1st floor (Top floor) of Main production building-1 and those ducts only penetrated the steel roof and outer walls of this building not passing the internal wall and floor of 1st floor.	
Source of Findings:	Photograph: Air-conditioning ducts	
Suggested Plan of Action:	Not applicable	
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:	Not applicable. No atrium was available.
Source of Findings:	
Suggested Plan of Action:	Not applicable
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:	Among all the buildings Main building-1 was the tallest building and its total height above grade was 14.86 m (48.74 ft) (2-stories) and the height of occupiable floor level was 8.47 m (27.78 ft.) from finished grade. Hence as per the standard Part 5 Section 5.3.2.1.1 Automatic sprinkler system is not required.
Source of Findings:	
Suggested Plan of Action:	Not Applicable
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:	Not applicable
Source of Findings:	
Suggested Plan of Action:	Not applicable
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:	Not applicable
Source of Findings:	
Suggested Plan of Action:	Not applicable
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:	Not applicable
Source of Findings:	
Suggested Plan of Action:	Not applicable
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
Source of Findings:	
Suggested Plan of Action:	Not applicable
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	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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
Source of Findings:	
Suggested Plan of Action:	Not applicable
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
Source of Findings:	
Suggested Plan of Action:	Not applicable
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
Source of Findings:	
Suggested Plan of Action:	Not applicable
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
Source of Findings:	
Suggested Plan of Action:	Not applicable
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
Source of Findings:	
Suggested Plan of Action:	Not applicable
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
Source of Findings:	
Suggested Plan of Action:	Not applicable
Suggested Deadline	

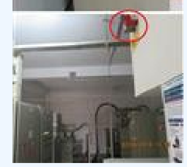
Date:		
Standard:	Reference NFPA 13 Chapter 13, 14, 15, 16, or 17	
Question:	Aisles in storage areas are free of storage based on design criteria used for the sprinkler system.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Not applicable	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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:	3	
Description:	Class-II standpipe with 25 mm diameter PVC hose was available inside the floor. No Class-I (65 mm diameter) and Class-II (40 mm diameter) standpipe hose connection are required. Minimum pressure of 65 psi was not maintained, pressure gauge reading was noted 35 psi during this audit. Further evaluation is required by the owner.	
Source of Findings:	Photograph: Non-class standpipe system.	

Suggested Plan of Action:	Correct existing installation to meet the requirements of NFPA 14. REVIEWER COMMENT: THIS SYSTEM IS NOT REQUIRED, THEREFORE THE REQUIREMENTS OF NFPA 14 WOULD NOT APPLY. ANSWER CHANGED TO NOT REQUIRED.	
Suggested Deadline Date:	18 Nov 2014	
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:	1	
Description:	Inspection, testing, and maintenance plan or records of the standpipe and hose system per NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2 were not available during visit.	
Source of Findings:	Document Review: No inspection, testing, and maintenance documents have been shown.	
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the standpipe and hose system. Program needs to comply with the requirements of NFPA 25.	
Suggested Deadline Date:	10 Feb 2015	
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:	Yes in compliance. Available for the existing system.	
Source of Findings:	Photograph: Signage of standpipe system.	
Suggested Plan of Action:	Not Applicable	
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:	Yes in compliance. No mechanical damage, leakage, and corrosion were found in standpipe system during inspection.	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
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:	Fire department connections were available but identification marking was not posted during visit.	
Source of Findings:	Photograph: Fire department connections without identification marking.	
Suggested Plan of Action:	Provide identification mark for fire department connections.	
Suggested Deadline Date:	02 Sep 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:	The factory has a fire pump with alternative power connection.	
Source of Findings:	Photograph: Fire pump	
Suggested Plan of Action:	Not applicable	
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:	1	
Description:	No inspection, testing and maintenance, for fire pump. Fire pump system was not monitored by the fire alarm system. No documented maintenance or testing procedures of the fire pump were available during assessment.	
Source of Findings:	Document Review: No document has been shown during inspection.	
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for the fire pump in compliance with NFPA 25. Workers shall be trained in the proper operation of the pump.	
Suggested Deadline Date:	10 Feb 2015	
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:	Yes in compliance.	
Source of Findings:	Photograph: Portable fire extinguisher	
Suggested Plan of Action:	Not applicable	
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:	Yes in compliance	
Source of Findings:	Photograph: ABCE and CO2 type extinguishers	
Suggested Plan of Action:	Not applicable	
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:	Only the inspection checklists with the monthly dates on each extinguisher are being verified by the fire safety officer. Not all of the requirements of NFPA 10 are being checked. While interviewing the person responsible for this it was found that only the pressure gauges (where available) and expiration dates are being checked.	
Source of Findings:	Photograph: Check list of extinguisher	
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for all fire extinguishers. Program shall be comply with the requirements of NFPA 10 Chapter 7.	
Suggested Deadline Date:	10 Feb 2015	
Standard:	NFPA 10 Chapter 7	
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?	 
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Centralized fire alarm and detection system was available. The control panel was located at fire command room and fire safety officer monitor it. The panel is not monitored by a central station service or directly connected to the Fire Service or Civil Defence.	
Source of Findings:	Photograph: Centralized smoke detector and control panel.	
Suggested Plan of Action:	Arrange for direct connection of the fire alarm and detection system to a central station monitoring service or the Fire Service and Civil Defence. Until that time that the service can be set up, 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:	02 Sep 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.	

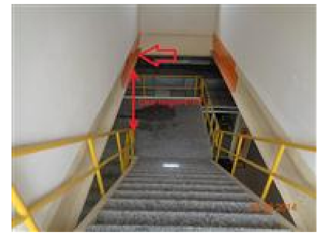
Priority Level:	High	
Non-Compliance Level:		
Description:	Trouble and alarm notification was not indicated on the fire alarm control panel.	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
Suggested Deadline Date:		
Standard:	Alliance Standard Part 13 Section 13.10 Maintenance of Fire 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:	Yes in compliance. Pull stations were installed at each egress points. Visual and audible alarm devices were installed in the required location based on occupancy type. Centralized fire alarm and detection system control panel was installed at fire command room.	
Source of Findings:	Photograph: Fire alarm call point & Visual Device	
Suggested Plan of Action:	Not Applicable	
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	
Question:	Are there additional areas of non-compliance related to the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Not applicable	
Source of Findings:		
Suggested Plan of Action:	Not applicable	

Suggested Deadline Date:		
Standard:	Not Applicable	
Means of Egress		
Question:	Are there additional areas of non-compliance related to the Means of Egress?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	The width egress court between Main Building-1 and Ancillary Building-1 was measured to be 2134 mm (7 ft.). Windows of Ancillary Building-1 were open to this court and no fire rated doors were installed open to court from either building.	
Source of Findings:	Photograph: Unprotected Egress Court.	
Suggested Plan of Action:	The egress court shall be one hour fire rated construction on both sides for a distance 3050 mm (10 ft.) above the floor of the court. Install 1-hour fire rated doors or windows which are open to the court or close those opening with 1-hour fire rated barrier. Consult a qualified fire protection engineer for this protection.	
Suggested Deadline Date:	18 Nov 2014	
Standard:	Not Applicable	
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:	Yes in compliance.	
Source of Findings:		
Suggested Plan of Action:	Not applicable.	
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:	Yes in compliance.	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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:	2	
Description:	Occupied roof is provided with different height parapet walls. In some locations 1067 mm (42 in.) guards were provided, but no all locations.	
Source of Findings:	Photograph: No parapet on roof	
Suggested Plan of Action:	Provide all occupied roofs with parapets or guards with a minimum height of 1067 mm (42 in.). Parapets that will be constructed as part of rated exterior construction shall be of the same rating as the exterior wall rating in accordance with BNBC Part 3 Section 3.1.15.	
Suggested Deadline Date:	10 Feb 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:	2	
Description:	Occupant loads were not posted for every assembly and production floor in a conspicuous space near the main point of egress.	
Source of Findings:	Visual Assessment: No occupant load was posted during inspection.	
Suggested Plan of Action:	The occupant load shall be posted for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	
Suggested Deadline Date:	09 Sep 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:	Yes in compliance	
Source of Findings:	Photograph: Aisles marking	
Suggested Plan of Action:	Not applicable	
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:	3	
Description:	The path of egress (width of aisles) was reduced as there were columns in one aisle at sewing section of 1st floor.	
Source of Findings:	Photograph: Width of aisles reduced by column	
Suggested Plan of Action:	Ensure the path of egress along the means of egress remains uniform as per requirement of occupant load. Relocate machines/equipment if necessary to maintain egress width.	
Suggested Deadline Date:	18 Nov 2014	
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:	2
Description:	Clear height of East-middle side stair-3 was measured 5'-10" (1.78 m) at roof of Main Building-1. And the headroom of stair at Ancillary Building–2 was measured 5'-6" (1.68 m).
Source of Findings:	Photograph: 01. 1.78 m headroom at exit stair-3, 02. 1.68 m headroom at substation exit stair.
Suggested Plan of Action:	Ensure a minimum ceiling height in the means of egress by maintaining a minimum 2.3 m (7 ft 6 in) with projection from the ceiling not less than 2.03 m (6 ft 8 in).
Suggested Deadline Date:	10 Feb 2015
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:	3
Description:	Exit discharges of six stairs of Main Building-1 terminated inside the ground floor without discharge directly to the exterior of the building. Exit discharge of substation building is through generator room. Exit discharge of accessories building through unprotected exit passageway.
Source of Findings:	Photograph: 1. Exit discharge of Main Building-1. 2. Exit discharge of Main Building-2.
Suggested Plan of Action:	Interior exit stairways shall be terminate to a rated exit passageway or outside the building. Construct minimum 1-hour fire rated (walls, ceiling and floor) exit passageway with minimum 0.75-hour rated opening protection (door, window, etc.) from the stair at ground floor to the exterior of the building. This exit passageway shall not be used for any other purpose. Or provided the building with automatic sprinkler protection per NFPA 13. The rated assembly or sprinkler system needs to be approved and/or designed by a qualified fire protection engineer.
Suggested Deadline Date:	18 Nov 2014
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:	3	
Description:	In all floors at Main Building-1, the minimum travel distance from any point to nearest exit is greater than 45 m. Neither sprinkler system nor standard standpipe system were installed that would enable increases in travel distance.	
Source of Findings:	Photograph: Diagram showing travel distance at GF.	
Suggested Plan of Action:	Provide exits within 45 m (147.6 ft.) from any point of the processing area or install Class – I and Class – II standpipe system or install automatic sprinkler protection system all through the building in accordance with Alliance Standard to increase the travel distance limit.	
Suggested Deadline Date:	18 Nov 2014	
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:	The exit access corridors at 1st floor of Main Building-1 serve occupant loads of more than 30. The corridor walls are non-rated glass walls. This is not in compliance with Alliance Standard Part 6 Section 6.3.1.1.	
Source of Findings:	Photograph: 01. Non-fire resistive rated exit access corridors at 1st floor of Main building-1. 02. Non-fire resistive rated exit access corridors at 1st floor (Office Part) of Main building-1.	
Suggested Plan of Action:	Exit access corridors serving an occupant load exceeding 30 shall be separated by walls having a fire resistance rating of 1-hour and with 0.75-hour opening protection or provided with automatic sprinkler protection throughout the story or building per NFPA 13. The rated assembly or sprinkler system needs to be approved and/or designed by a qualified fire protection engineer.	
Suggested Deadline Date:	18 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.3 and Part 4 Section 4.5. Does not apply if an automatic sprinkler system is installed throughout the building.	

Question:	Interior finishes for means of egress meet the rating requirements for Class A, B and C materials.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No test record of interior finish in accordance with ASTM E84 has been found during inspection. Wooden decorations were noticed in the means of egress at 1st floor and Ground floor of Main Building-1	
Source of Findings:	Photograph: Wooden interior finish material	
Suggested Plan of Action:	Test the interior finishes materials for means of egress as per ASTM E84. If does not meet the rating requirements for Class A, B and C materials then replace non-compliant finishes with finishes that have a maximum flame spread index of 75 and smoke developed index of 450 .	
Suggested Deadline Date:	10 Feb 2015	
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:	2	
Description:	No test record of interior finish in accordance with ASTM E84 has been found during inspection. Wooden decorations have been noticed in the means of egress at 1st floor and Ground floor of Main Building-1	
Source of Findings:	Photograph: Wooden interior finish material	
Suggested Plan of Action:	Test the interior finishes materials for means of egress as per ASTM E84. If does not meet the rating requirements for Class A, B and C materials then replace non-compliant finishes with finishes that have a maximum flame spread index of 75 and smoke developed index of 450 .	
Suggested Deadline Date:	10 Feb 2015	
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:	Yes in compliance	
Source of Findings:		

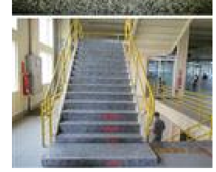
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.6 Number of Means of Egress	
Question:	The number of means of egress from any floor or story is not less than 3 when the occupant load exceeds 500 per story and not less than 4 when the occupant load exceeds 1000 per story.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in compliance	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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:		
Description:	Yes in compliance	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:	3	
Description:	Some aisles were found blocked by cartoons on the 1st floor of Main Building-1.	

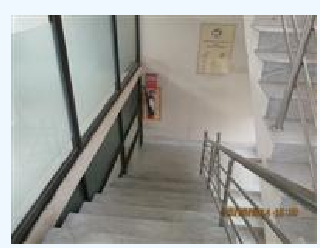
Source of Findings:	Photograph: Obstruction in means of egress.	
Suggested Plan of Action:	Means of egress shall be kept free from impediments, obstructions, and stored materials. No furnishing, decorations or other objects shall obstruct exits and access to the exit.	
Suggested Deadline Date:	02 Sep 2014	
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:	No testing plan or records were available during this visit.	
Source of Findings:	Document Review: No record of testing and maintenance has been shown.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of 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:	23 Sep 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:	Doors in the path of egress were unlocked in the direction of egress only during working hour. Hasps, locks, other locking devices were present on doors.	
Source of Findings:	Photograph: Locking provision in door	
Suggested Plan of Action:	Remove all locking devices from all egress doors and means of egress components in accordance with Alliance Standard Section 6.8. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	
Suggested Deadline	09 Sep 2014	

Date:		
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:		
Description:	Yes in compliance.	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:	Rolling shutters were installed in most of the exits. Also, aluminum sliding doors were noticed in some exits.	
Source of Findings:	Photograph: Rolling shutter in the means of egress	
Suggested Plan of Action:	Replace 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:	18 Nov 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 were placed only at entrances to exits of buildings with no additional exit signs placed inside the floor (where required).	

Source of Findings:	Visual Assessment: No additional exit sign has been shown during this assessment.
Suggested Plan of Action:	Install illuminated exit signs with backup power and continuous graphics at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.
Suggested Deadline Date:	10 Feb 2015
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:	Yes in compliance.
Source of Findings:	
Suggested Plan of Action:	Not applicable.
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:	Yes in compliance. Illuminated exit signs were provided with IPS back-up.
Source of Findings:	
Suggested Plan of Action:	Not applicable.
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 testing plan or records were available during visit.
Source of Findings:	Document Review: No testing plan or records were available during visit.
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year. Functional testing of battery powered signs is provided for a minimum 90 min once per year.
Suggested Deadline Date:	23 Sep 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:	Yes the existing were in compliance.
Source of Findings:	
Suggested Plan of Action:	Not applicable.
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:	Yes in compliance.
Source of Findings:	
Suggested Plan of Action:	Not applicable.
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:	Yes in compliance.	
Source of Findings:		
Suggested Plan of Action:	Not applicable.	
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:	3	
Description:	The clear width of stair was measured to be 0.812 m (32 in.) at Substation Building.	
Source of Findings:	Photograph: Stair width	
Suggested Plan of Action:	Either increase the width of stair to 0.9 m (35 in.) or construct a new stair with minimum width of 0.90 m (35 in.).	
Suggested Deadline Date:	18 Nov 2014	
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:	2	
Description:	Riser height was measured 267 mm (10.5 in.) for the top step of stair-4 and height difference was measured at bottom step with adjacent step of stair-2 at 1st floor more than 51 mm (2 in.) of Main Building-1.	
Source of Findings:	Photograph: Height difference of riser.	
Suggested Plan of Action:	Modify the stair so that the maximum height of the risers shall be 215 mm (8.5 in.). Any riser height at the top or bottom steps in a stair run exceeding more than 51 mm (2 in.) difference from the adjacent riser height need to be modified within this tolerance.	

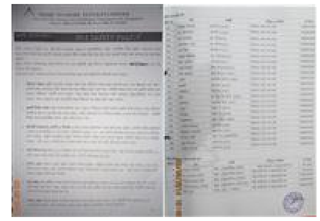
Suggested Deadline Date:	10 Feb 2015	
Standard:	Alliance Standards Part 6 Section 6.9 Stairs. Any tread height exceeding more than 50% of the adjacent tread heights or 75 mm (3 in.), whichever is less, shall be modified to be within this tolerance	
Question:	Landings are provided on both sides of doors used along the path of egress. Doors do not swing out over stairs.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in compliance.	
Source of Findings:		
Suggested Plan of Action:	Not applicable.	
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:	Yes in compliance.	
Source of Findings:		
Suggested Plan of Action:	Not applicable.	
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	

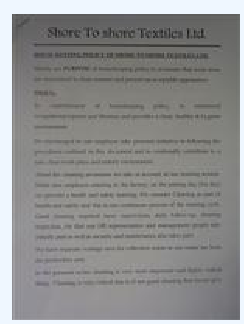
Description:	Handrails were provided on only open side of each stairway at Accessories Building and Substation Building. There was no handrail at roof stair.	
Source of Findings:	Photograph: 1. Handrail on open side of stair, 2. No handrail in stair	
Suggested Plan of Action:	Install handrails on the both sides of the stairs. A minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread need to be maintained when installing new handrails. The spacing between vertical members will not exceed 200 mm (8 inch).	
Suggested Deadline Date:	10 Feb 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:		
Description:	Re-entry provision was not required as stairs were serving maximum 3 stories of building.	
Source of Findings:		
Suggested Plan of Action:	Not Applicable.	
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:	3	
Description:	Exterior exit stairs were separated from the building with 10" brick wall with fire rated doors. Windows were located within 3.05 m (10 ft) of all (five) exterior stairs of Main Building-1, Main Building-2, and Ancillary Building-1.	
Source of Findings:	Photograph: Unprotected exterior stair	
Suggested Plan of Action:	Provide 1-hour fire-resistive rated assembly with 0.75-hour opening protection in line with the stair and extend 3.05 m (10 ft.) beyond the ends of the stair between the exterior exit stairs and the building to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer.	

Suggested Deadline Date:	18 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories of more 2-hr rating	
Question:	Interior exit stairways and ramps terminate at an exit discharge except where terminating at a rated exit passageway.	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Exit discharges of six stairs of Main Building-1 terminate within the building on the ground floor without discharge directly to the exterior. Exit discharge of Substation Building is through Generator Room. Exit discharge of Accessories Building is through unprotected exit passageway.	
Source of Findings:	Photograph: 1. Interior Exit Stairway of Main Building-1. 2. Interior Exit Stairway of Main Building-2.	
Suggested Plan of Action:	Interior exit stairways shall terminate to a rated exit passageway or to the outside the building. Construct minimum 1-hour fire rated (walls, ceiling and floor) exit passageway with minimum 0.75-hour rated opening protection (door, window, etc.) from the stair at ground floor to the exterior of the building. This exit passageway shall not be used for any other purpose. Or provided with automatic sprinkler protection throughout the story or building per NFPA 13. The rated assembly or sprinkler system needs to be approved and/or designed by a qualified fire protection engineer.	
Suggested Deadline Date:	18 Nov 2014	
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:	1	
Description:	Stair designations are not provided at any of the stairs.	
Source of Findings:	Photograph: No stair designation sign.	
Suggested Plan of Action:	Post stair designation signs at each floor entrance from all stairs to the floor in English and Bengali. Signs shall indicate the name of the stair and the floor level. Signs shall be posted adjacent to the door.	
Suggested Deadline Date:	23 Sep 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs	

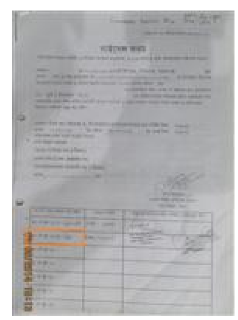
Question:	Stairwells are not utilized as storage spaces.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in compliance	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:	Alliance Standard Part 13 Section 13.9 Safety Inspections	
Question:	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:	Yes in compliance.	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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:	Allowable slope was compliant but handrail was installed only on one side of ramp at warehouse of Main Building-1.	
Source of Findings:	Photograph: Ramp	
Suggested Plan of Action:	Install handrail on both sides of the ramp with minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the surface of ramp. The spacing between vertical members will not exceed 200 mm (8 inch).	
Suggested Deadline Date:	10 Feb 2015	

Standard:	Alliance Standard Part 6 Section 10 Ramps	
Question:	Are there additional areas of non-compliance related to the Means of Egress?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Compliant guards were provided on the open sides of egress components but the height of guards were 805 mm (33 in.) and the spacing between the vertical and horizontal members were more than 200 mm (8 in), these are not in compliance Alliance standard Part 6 Section 6.3.7; 6.12.2.2 and 6.12.2.3.	
Source of Findings:	Photograph: Guardrail	
Suggested Plan of Action:	Provide guards at the open side of means of egress with spacing between the vertical members are not exceeding 200 mm (8 inch).	
Suggested Deadline Date:	10 Feb 2015	
Standard:	Not Applicable	
Fire Safety Programs		
Question:	Are there additional areas of non-compliance to report?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Not applicable	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:	Not Applicable	
Question:	A Fire Safety Director position has been filled.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Fire safety director position has not been filled.	
Source of Findings:	Document Review: fire safety director was not available	
Suggested Plan of Action:	Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties.	

Suggested Deadline Date:	10 Feb 2015	
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:		
Description:	Yes in compliance	
Source of Findings:	Document Review: Emergency evacuation plan.	
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:	2	
Description:	Emergency egress maps were not posted at some of the exits of Main Building-1.	
Source of Findings:	Photograph: No emergency egress map	
Suggested Plan of Action:	Post emergency egress maps at the entrance to each exit stair or main point of egress.	
Suggested Deadline Date:	23 Sep 2014	
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 has not been completed.	
Source of Findings:	Document Review: No pre-plan has been developed.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defence.	

Suggested Deadline Date:	23 Sep 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:		
Description:	Fire drills are conducted at every month. Last fire drill was conducted at 28 May 2014.	
Source of Findings:	Photograph: Documentation of fire drill	
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:	1	
Description:	80 out of 2,500 workers have taken training from Fire Service and Civil Defence authority.	
Source of Findings:	Photograph: Training certificates from Fire Service and Civil Defence authority	
Suggested Plan of Action:	Provide training for the required number of people (25 % of total workers as per Fire Service and Civil Defence) certified in firefighting, first-aid, and rescue training by the appropriate authority.	
Suggested Deadline Date:	10 Feb 2015	
Standard:	Alliance Standard Part 13 Human Element Programs	
Question:	A written housekeeping policy is established and enforced.	 Shore To shore Textiles Ltd.
Priority Level:	Low	
Non-Compliance Level:		
Description:	A written housekeeping policy was established and maintained.	
Source of Findings:	Document Review: A written housekeeping policy	

Suggested Plan of Action:	Not applicable	
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:	No hot-work permit program has been established. During inspection no hot-work operation was ongoing in the facility.	
Source of Findings:	Document Review: No document was shown during inspection.	
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B	
Suggested Deadline Date:	10 Feb 2015	
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:	1	
Description:	Combustibles under cutting table were found in the cutting section at 1st floor of Main Building-1.	
Source of Findings:	Photograph: Under the cutting table	
Suggested Plan of Action:	Keep areas beneath cutting tables clear of combustibles at all times.	
Suggested Deadline Date:	09 Sep 2014	
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:	1	
Description:	The factory has not received the Alliance Safety Training Curriculum at the time of the assessment and has not conducted safety training curriculum per Alliance Standards Part 13.	

Source of Findings:	Document Review: No document was shown during inspection.	
Suggested Plan of Action:	Training programs need to be implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Suggested Deadline Date:	10 Feb 2015	
Standard:	Alliance Standards Part 13	
Question:	Smoking is only allowed at designated areas.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Smoking was not allowed inside the factory premises.	
Source of Findings:	Photograph: No smoking sign	
Suggested Plan of Action:	Not applicable	
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:	Fire license valid up to 30 June 2014, Trade license valid up to 30 June 2014 and BERC waiver certificate valid up to 03 November 2014. No boiler was available in this factory.	
Source of Findings:	Photograph: Fire license	
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:	Alliance Standard Part 13 Human Element Programs	

Question:	Are there additional areas of non-compliance to report?
Priority Level:	
Non-Compliance Level:	3
Description:	Daycare was located at GF floor of Ancillary building - 1. The nearest exit from daycare to the exterior of the building was measured approximate 12.2 m (40 ft). This is not in compliance with Alliance Standards Part 3 Section 3.4.2.1.1 Daycare.
Source of Findings:	Photograph: Daycare
Suggested Plan of Action:	Daycare occupancies which are accessory to other occupancies shall be located on the ground floor with a maximum travel distance of 9 m (30 ft).
Suggested Deadline Date:	18 Nov 2014
Standard: