INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name:	**Glory Fashionwear Ltd**
Address:	**Degerchala Road, 6th Floor National University,Gazipur, Floors 2 and 3 Gazipur Dhaka Bangladesh**
Assessor:	**Emkay Enterprises LTD**
Date:	**21 Jul 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:	Glory Fashionwear Ltd
Address:	Degerchala Road, 6th Floor National University,Gazipur, Floors 2 and 3 Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Gazipur
Zip Code:	1704
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	11 March 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:	Main Building = 01 no.
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	10 storied + 1 Basement (Designed for 12 storied + 1 basement)
Approximate Building Area (SF):	261,201 sft (Approx.)
Date of Building Construction:	Building construction started in 2011 and completed (only frame structure) July 2013.
Date of Last Building Renovation/Addition:	No renovation work found during the assessment. Finishing work still ongoing from floor 7th to 10th.
Ancillary Structures in Complex:	0
Approximate Ancillary Structures Area (SF):	Not Applicable
Number of Occupants:	1900

Number of Ancillary Levels (Stories):	Not Applicable

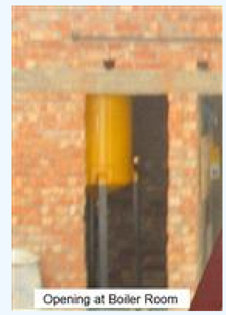
ASSESSMENT FINDINGS

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:	Not in compliance. No occupancy certificate was available during assessment.
Source of Findings:	Document Review: No occupancy certificate has been shown.
Suggested Plan of Action:	Collect Occupancy certificate for the factory building as per building use from approving authority.
Suggested Deadline Date:	11 Jun 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?
Question:	Occupancy Type
Priority Level:	
Non-Compliance Level:	
Description:	As per running operation of RMG factory, occupancy Type-G2 except 1st floor. Occupancy Type-F1 for 1st floor
Source of Findings:	
Suggested Plan of Action:	Not applicable
Suggested Deadline Date:	
Standard:	Provide Occupancy Type for each building and structure. Reference Alliance Standards Part 3 Use and Occupancy
Question:	Construction Type
Priority Level:	
Non-Compliance Level:	
Description:	Type-1
Source of Findings:	
Suggested Plan of	Not applicable

Action:		
Suggested Deadline Date:		
Standard:	Provide construction type for each building and ancillary structure. Reference Alliance Standards Table 3.3.1	
Question:	Height of Highest Occupied Floor Level Above Grade	
Priority Level:		
Non-Compliance Level:		
Description:	The total height of the building above grade was 40.6 m (133.17 ft) and the height of highest occupiable floor level was 31.69 m (103.94 ft)	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:	Provide maximum height of highest occupied floor level above grade for each type of building and 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:	In compliance. RCC frame building (Basement to 9th floor). From visual inspection all those structural members were found free of damage during assessment.	
Source of Findings:	Photograph: Structural Member	
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:	Not in compliance with Alliance Standards Part 4 Section 4.6 Opening Protective's and Section 4.7 Penetrations. 1. Unprotected wall penetration was found around piping at basement storage area during assessment. 2. Opening found in generator room without fire protection towards exit excess. 3. Opening found in boiler room without fire protection towards exit excess. 4. Hose cabinets were installed in the stairwells wall of NE stair penetrating the wall in all floors.
Source of Findings:	Photograph: 1.Wall penetration, 2.Opening at generator room, 3.Opening at Boiler Room, 4. Hose cabinet in NE stair wall
Suggested Plan of Action:	Install fire rated door assemblies at all exits. Provide required fire-resistive rated (0.75-hour for boiler room and 1.5 hour for generator room) opening protection (Doors, Windows etc.) at opening and seal penetrations through fire rated walls and/or assemblies with fire-resistive rated materials. Remove all hose cabinets from inside the wall and seal those penetration by fire rated masonry work and place the hose cabinets such that the cabinets are not concealed within the wall construction or replace the existing hose cabinets by required fire and smoke rated hose cabinets. Consult a qualified fire protection engineer to design the required rated opening protection.
Suggested Deadline Date:	23 Jul 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:	In compliance. Typical slab thickness was 125 mm and no floor penetration has found during inspection in working floor. Floor penetration was found in under constructed floor (8th floor to 9th floor).
Source of Findings:	
Suggested Plan of Action:	Not applicable
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:	2
Description:	Not in compliance as per Alliance Standards Part 4 Section 4.5 Separation; Part 3 Section 3.4.2.1.3 Generator; 3.4.2.1.4 oil filled transformer. Generator room was located at ground floor of main building. Opening found in generator room towards exit excess. Oil filled transformer was located at ground floor of main building. The outer wall of this room was 10” brick wall having unprotected openings (including doors & windows) on this wall. Generator & electrical switchgear also placed in this room without fire separation with transformer section. Fire barriers were not provided to separate oil-filled transformer rooms.
Source of Findings:	Photograph: Opening in Generator Room ,Oil filled transformer, Fire Barrier of Transformer Room
Suggested Plan of Action:	Separate room used for housing of generator from the surrounding occupancy with a minimum 02-hour fire rated construction with 1.5-hour fire rated opening protection. Separate oil filled transformer for high rise building by a minimum 2 hr fire resistive rated construction. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	15 Oct 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:	
Description:	In compliance. The building was B+10 storied and walls of stairwell were constructed with 10" masonry brick wall. Door of stairs was protected with fire rated door.
Source of Findings:	Photograph: Rated Enclousure
Suggested Plan of Action:	Not applicable
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation

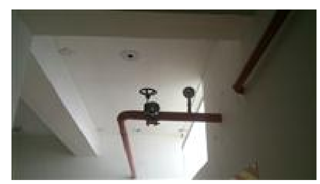
Question:	Are shafts provided with the minimum fire-resistance rating?	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Not in compliance as per Alliance Standards Part 4 Section 4.5.7.1 through 4.5.7.3. Elevator shafts were found open at each floor.	
Source of Findings:	Photograph: Shaft opening	
Suggested Plan of Action:	Provide minimum 01-hour fire-resistive rated continuous barriers at shaft enclosures with 0.75- hour fire-resistive opening protection at shaft opening(s). Consult a qualified fire protection engineer to design the required rated construction of shaft.	
Suggested Deadline Date:	23 Jul 2014	
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. No air-conditioning and ventilation ducts were found.	
Source of Findings:		
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:	3	
Description:	Not in compliance as per Alliance Standards Part 5 Section 5.3 Automatic Sprinkler Systems. The height of highest occupiable floor level (from grade level to 9th floor) was 31.69 m (103.94 ft). Hence Automatic sprinkler is required but sprinkler covered partial area of building such as storage area, CT pad area and some portion of staircase.	
Source of Findings:	Photograph: Sprinkler	
Suggested Plan of Action:	Install an automatic sprinkler system throughout the building. Assign a qualified fire protection engineer for design and installation of sprinkler system as per NFPA 13	
Suggested Deadline Date:	07 Jan 2015	
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:	3	
Description:	Not in compliance as per Alliance Standards Part 5 Section 5.3.3 Installation requirements. Some Single line diagrams of sprinkler system were available but no details of design criteria as per commodity class. Pipe schedules and hydraulic calculation were not available for the existing sprinkler system.	
Source of Findings:		
Suggested Plan of Action:	All installation and design requirements of sprinkler system and hydraulic calculation need to be met the required NFPA 13, Chapter-8 Installation requirements. Assign a qualified fire protection engineer for design and installation of sprinkler system as per NFPA 13	
Suggested Deadline Date:	23 Jul 2014	
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:	3
Description:	Not in compliance with Alliance Standards Part 5 Section 5.3.3 Installation requirements. No detail documentation of sprinkler system was found during assessment. Same sprinkler were installed at storage area, CT pad area and some portion of staircase not as per the commodity class.
Source of Findings:	
Suggested Plan of Action:	The design, hydraulic calculation and installation of sprinkler system need to be based on commodity class. Assign a qualified fire protection engineer for design and installation of sprinkler system based on the commodity class and documented as per NFPA 13.
Suggested Deadline Date:	07 Jan 2015
Standard:	Reference NFPA 13 Chapter 5
Question:	Occupancy Classification used for the design of the sprinkler system?
Priority Level:	
Non-Compliance Level:	3
Description:	Not in compliance. No information of occupancy classification was found in the drawing.
Source of Findings:	
Suggested Plan of Action:	Sprinkler system need to be designed as per NFPA 13 Chapter 5; Classification of Occupancies. Assign a qualified fire protection engineer for design and installation of sprinkler system based on the Occupancy Classification and documented as per NFPA 13.
Suggested Deadline Date:	07 Jan 2015
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:	1
Description:	Not in compliance with Alliance Standards Part 5 Section 5.3.3 Testing and maintenance. No plan or records for inspection, maintenance, and testing of sprinkler system were found during assessment.
Source of Findings:	Document Review: No records of inspection were provided.
Suggested Plan of Action:	Need to conduct for inspection, maintenance, and testing of sprinkler system and recorded as per NFPA 25.

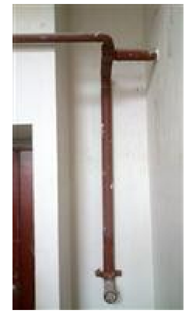
Suggested Deadline Date:	15 Oct 2014	
Standard:	Reference NFPA 25 Chapter 5 Sprinkler Systems Table 5.1.1.2	
Question:	Are identification signs for the sprinkler system installed at the required locations?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Not in compliance as per Alliance Standards Part 5 Section 5.3.3 Installation requirements. No identification signs for the required components of sprinkler system were found during assessment.	
Source of Findings:	Photograph: Identification sign of sprinkler	
Suggested Plan of Action:	Need to provide identification signs with permanently marked water proof metal or rigid plastic to the required component of sprinkler system as per NFPA 13, chapter 6; System components and hardware.	
Suggested Deadline Date:	15 Oct 2014	
Standard:	Reference NFPA 13	
Question:	Sprinkler system piping is free of mechanical damage, leakage, and corrosion.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	On visual inspection, no mechanical damage, leakage, and corrosion on sprinkler piping were found during the assessment.	
Source of Findings:	Photograph: Sprinkler free from mechanical damage	
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:	Yes in compliance. Sprinkler system piping was not subjected to external loads during the assessment.	

Source of Findings:	Photograph: Sprinkler free from external loads	
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:	2	
Description:	Not in compliance with NFPA 13 chapter 9 Hanging, Bracing and Restraint of sprinkler system piping. Sprinkler system piping only fitted with vertical J-Hook & T-Hook hanger, no angular or sway bracing were fitted during the assessment.	
Source of Findings:	Photograph: No bracing of sprinkler system	
Suggested Plan of Action:	The hangers, bracing, and restraints of sprinkler piping system need to be designed and installed as per NFPA 13, chapter 9. Assign a qualified designer for that.	
Suggested Deadline Date:	15 Oct 2014	
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:	On visual inspection, no signs of leakage, corrosion, painted and physically damaged on sprinklers were found during the assessment.	
Source of Findings:	Photograph: Sprinkler free from damage	
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:	2
Description:	Not in compliance with Alliance Standard Part 5 Section 5.3.5 Supervision and Alarms. Fire alarm control unit was available but valves of automatic sprinkler systems were not connected with the control panel to supervise electronically.
Source of Findings:	Visual Assessment: Valves not provided with supervisory monitoring devices.
Suggested Plan of Action:	All valves controlling automatic sprinkler systems, fire pumps, and water supply systems shall be electrically supervised by a listed fire alarm system control unit as per Alliance Standard Part 5 Section 5.3.5 Supervision and Alarms and NFPA 13 chapter 7; Systems Requirements. Assign a qualified fire protection engineer for that.
Suggested Deadline Date:	15 Oct 2014
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:	1
Description:	Not in compliance with Alliance Standards Part 5 Section 5.3.5.2 Alarms. No audible device was found connected with sprinkler system during assessment.
Source of Findings:	
Suggested Plan of Action:	Need to install an approved audible device connected to every automatic sprinkler system and activated by waterflow equal to the flow of one sprinkler. Where a fire alarm system is installed, activation of the waterflow need to activate the fire alarm system. This arrangement need to be design and implement as per NFPA 13 chapter 7 system requirements. Assign a qualified fire protection engineer for this purpose.
Suggested Deadline Date:	15 Oct 2014
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:	3
Description:	Not in compliance. No design data was provided in the documents to find out the required height to coverage and protection of sprinkler system.
Source of Findings:	Document Review: No design document was found., Visual Assessment:

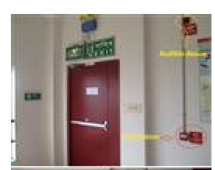
	Sprinkler was provided 24 in. bellow ceiling	
Suggested Plan of Action:	Sprinkler system need to be designed as per NFPA 13. Assign a qualified fire protection engineer for design and installation of sprinkler system to provide required coverage and protection of sprinkler system as per NFPA 13.	
Suggested Deadline Date:	07 Jan 2015	
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 as no storage rack was found during assessment	
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. No detail design criteria was found	
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:	All storage was maintained with a 460 mm (18 in.) minimum clearance from the top of storage to the sprinkler deflector.	
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:	Not in compliance. Class-I standpipe connection was found without hose fixing mechanism at only one stair & class-II standpipe system was found at another one stair. Non class (25mm) standpipe system was found inside the floor. No Class-I (65 mm dia) was found at rest of stair.	
Source of Findings:	Photograph: Class-I, Class-II and Non class standpipe	
Suggested Plan of Action:	Modify or install the standpipe System (Class-I and class-II) to meet the requirements of Alliance standard's section 5.4. Class II standpipe hose connections (40 mm) shall not be required if the building is protected with automatic sprinklers. Consult a qualified fire protection engineer before modifying or installing a new system.	
Suggested Deadline Date:	23 Jul 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:	Not in compliance as per NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2. No inspection, maintenance or testing procedures of the standpipe and hose system were available during visit.	
Source of Findings:	Document Review: No document has been shown during inspection.	
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the standpipe and hose system. Program need to be comply with the requirements of NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2.	

Suggested Deadline Date:	07 May 2014	
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2	
Question:	Is signage for the standpipe system installed at required locations and on required components?	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Not in compliance as per Reference NFPA 14 Chapter 6. Signage for the standpipe system was not found.	
Source of Findings:	Photograph: No signage of standpipe	
Suggested Plan of Action:	Install required identification signs at the noted locations. Signage must comply with NFPA 14.	
Suggested Deadline Date:	07 May 2014	
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:	In compliance	
Source of Findings:	Photograph: Standpipe free from corrosion	
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:		
Description:	In compliance. Fire department connection was provided with arrangement of allowing fire department pumper vehicle to pump water into standpipe system and drafting water from underground storage tank. Also the signage of fire department connection was provided.	

Source of Findings:	Photograph: Fire department connection	
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:	In compliance. The building has two fire pumps. One diesel operated and another electric operated.	
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:	Not in compliance as per NFPA 25 Chapter 8 Fire Pumps. No inspection, maintenance or testing conducted for fire pump. Fire pump system is not monitored by fire alarm systems. Additionally, fire pump was not set to Auto at time of evaluation. No documented maintenance or testing procedures of the fire pump.	
Source of Findings:	Document Review: No document has been shown during inspection.	
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the fire pump. Program must comply with NFPA 25.	
Suggested Deadline Date:	15 Oct 2014	
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps	

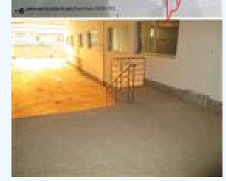
Question:	Are portable fire extinguishers installed throughout the building at required locations and mounted at the correct height?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	In compliance. Fire extinguishers were installed and mounted at required locations.	
Source of Findings:	Photograph: 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:	In compliance. ABCE dry powder, CO2 and Foam	
Source of Findings:	Photograph: Extinguisher (CO2)	
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 checklist 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: Maintenance of extinguisher	
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for all fire extinguishers. Program must comply with the requirements of NFPA 10	

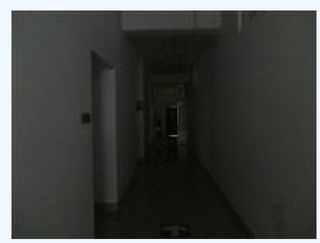
Suggested Deadline Date:	15 Oct 2014	
Standard:	NFPA 10 Chapter 7	
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?	 
Priority Level:	Medium	
Non-Compliance Level:		
Description:	In compliance. Centralized detection system was available and it was located at fire command room.	
Source of Findings:	Photograph: Centralized smoke detector, Fire command room	
Suggested Plan of Action:	Not Applicable	
Suggested Deadline Date:		
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:	In compliance. Alarm notification was indicated on the fire alarm control panel.	
Source of Findings:		
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:	In compliance. Pull stations at egress points, visual and audible devices spaced appropriately based on occupancy type. Fire detection & alarm control panel was located at fire command room.	

Source of Findings:	Photograph: Pull station, fire alarm siren and fire alarm control panel	
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:	NA	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:	Not Applicable	
Question:	Are there any other fire suppression systems installed within the building?	
Priority Level:		
Non-Compliance Level:		
Description:	Not Available	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
Suggested Deadline Date:		
Standard:		
Means of Egress		
Question:	Are there additional areas of non-compliance related to the Means of Egress?	
Priority Level:	Medium	
Non-Compliance Level:		

Description:	NA	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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. Highest workers were found 681 nos at 3rd floor. Total widths of stair (1.57+1.52+1.72+1.80) =6.61 m and landing widths (2.54+2.36+2.13+2.67) =9.7 m. Required total widths of stair 5.45 m per occupant 8 mm as per BNBC table 4.3.2.	
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:		
Description:	Yes in compliance. Occupied roofs were provided with parapets height of 52 in.	
Source of Findings:	Photograph: Parapet height	
Suggested Plan of Action:	Not Applicable	
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:	Not in compliance as per Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load. Occupant loads were not posted in assembly or production floor.	
Source of Findings:	Photograph: Occupant loads not posted	
Suggested Plan of Action:	The occupant load needs to 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:	14 May 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:	In compliance	
Source of Findings:		
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:		
Description:	In compliance	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
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:	In compliance	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
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:	3	
Description:	Not in compliance as per Alliance Standard Part 6 Section 6.17 Exit Discharge. Exit discharge from stair-2 was directly to the front of generator & transformer room where opening of generator room was not fire rated. Also the exit passageway from stair-2 was not fire rated.	

Source of Findings:	Photograph: Exit discharge not directly to the exterior of the building	
Suggested Plan of Action:	Provide minimum 1-hour fire rated (walls, ceiling and floor) exit passageway for stair-2 from the stair at Ground floor to the exterior of the building. This exit passageway shall not be used for any other purpose. Consult a qualified fire protection engineer to design the required rated egress passageway.	
Suggested Deadline Date:	23 Jul 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:		
Description:	In compliance	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
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:	Not in compliance as per Alliance Standard Part 6 Section 6.3.1.1. The exit access corridor of 1st floor was served more than 30 persons. Walls of corridor were protected but openings were not protected.(1st floor child care, ground floor in front of generator room)	
Source of Findings:	Photograph: 1st floor corridor	
Suggested Plan of Action:	Exit access corridors serving an occupant load exceeding 30 need to 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 as 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:	23 Jul 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:	
Description:	No test record of interior finish in accordance with ASTM E84 has been found during inspection. But the means of egress were plastered and painted RCC frame brick masonry wall.
Source of Findings:	
Suggested Plan of Action:	Not Applicable
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:	No test reports of the materials of exits as per the standard were available during assessment but exits were constructed with concrete and masonry materials and the top surface is painted.
Source of Findings:	
Suggested Plan of Action:	Not Applicable
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 compliance. 4 no’s means of egress were available per floor.
Source of Findings:	
Suggested Plan of	Not Applicable

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:	In compliance. 4 no’s means of egress per floor where maximum occupant load was 681 persons at 3rd floor.	
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:	2	
Description:	Not in compliance as per Alliance Standards Part 6 Section 6.7 Egress Illumination and Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape. Emergency lights are available but lux could not be verified during assessment because of sunlight. Also no test report or certification of illumination was found from factory end during assessment.	
Source of Findings:	Photograph: Emergency Light	
Suggested Plan of Action:	Ensure through testing (light meter) or other certification that means of egress have sufficient illumination as per Alliance Standards Part 6 Section 6.7 Egress Illumination and Part 10 Section 10.12.2 Illumination of Means Of Egress requirement for all corridors, exit doors, aisles and stairways.	
Suggested Deadline Date:	15 Oct 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:	In compliance	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
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:	Not in compliance with Alliance standard part 10 section 10.12.1.4. No testing plan or records were available during visit.	
Source of Findings:	Document Review: No document was shown during inspection.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of all exist signs is verified at least once per year. If battery-operated signs are used, these lights shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year.	
Suggested Deadline Date:	28 May 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:		
Description:	In compliance. Doors were unlocked in the direction of egress	
Source of Findings:		
Suggested Plan of Action:	Not applicable	

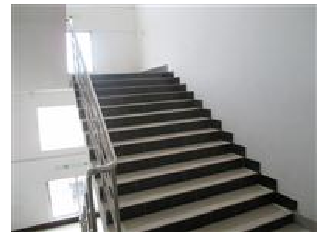
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Doors along the path of egress have a minimum width of 0.8 m (32 in) and have required ratings.	
Priority Level:	High	
Non-Compliance Level:		
Description:	In compliance as per Alliance Standard Part 6 Section 6.5.6 Minimum Widths.	
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:		
Description:	In compliance	
Source of Findings:	Photograph: Side-hinged door	
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:		
Description:	In compliance	
Source of Findings:	Photograph: Exit sign	

Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:	2	
Description:	Not in compliance as per Alliance Standard Part 6 Section 6.3.4 Walking Surfaces. Changes in elevation were found at door opening of basement floor and maximum doors of other floor.	
Source of Findings:	Photograph: Changes in elevation at Basement, Changes in elevation at other floor	
Suggested Plan of Action:	Minimize the change in elevation to make the walking surface mostly level as per Alliance Standard Part 6 Section 6.3.4 Walking Surfaces.	
Suggested Deadline Date:	15 Oct 2014	
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:	In compliance	
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:	Not in compliance with Alliance standard part 10 sections 10.12.1.4. No testing plan or records were available during visit.
Source of Findings:	Document Review: No record of testing and maintenance of emergency power of exit sign has been shown.
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.
Suggested Deadline Date:	28 May 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:	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:	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:	Compliant guards are provided on the open sides of egress components where the elevation exceeds 760 mm (30 in) above the ground or floor below.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	In compliance	
Source of Findings:	Photograph: Guards	
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.7 Guards	
Question:	Stairs are constructed of noncombustible materials.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	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:		
Description:	In compliance	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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:	In compliance
Source of Findings:	
Suggested Plan of Action:	Not applicable
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:	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:	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:	Not in compliance as per Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards. Handrails were provided on one side of each stairway. Intermediate handrail is not required as per stair width.	
Source of Findings:	Photograph: One side handrail	
Suggested Plan of Action:	Need to install handrails on the both side 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:	15 Oct 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	
Question:	Every door in a stair enclosure serving more than 5 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Not in compliance with Alliance Standards Part 6 Section 6.8.3.1. Re-entry provision was not provided in fire door.	
Source of Findings:	Visual Assessment: Re-entry provision not provided.	
Suggested Plan of Action:	Fire rated door assemblies need to be assured that every door in a stair enclosure serving more than 4 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Exterior exit stairs are separated from the building with the required rating. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.	
Priority Level:	High	

Non-Compliance Level:		
Description:	No exterior stair was available in this factory building.	
Source of Findings:		
Suggested Plan of Action:	Not applicable	
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:	3	
Description:	Not in compliance as per Alliance Standard Part 6 Section 6.14 Exit Enclosures. SE corner stair discharges in front of generator room & transformer room where opening of generator room was not fire rated. Also the exit passageway from SE corner stair was not fire rated.	
Source of Findings:	Photograph: Exit discharge from SE corner stair	
Suggested Plan of Action:	Terminate SE stair discharge directly outside the building or construct 1-hour rated exit passageway for both stairs leading directly outside the building; alternately provide automatic sprinkler system in the exit discharge areas of both stairs at ground floor in compliance with Alliance Standard Section 6.17.3.	
Suggested Deadline Date:	30 Sep 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:	Not in compliance as per Alliance standard Alliance Standard Part 6 Section 6.9.3.1 signs. Stair designation sign was not found properly placed in each location.	
Source of Findings:	Photograph: Stair sign	
Suggested Plan of Action:	Stair designation signs need to be provided at each floor entrance from the all stairs to the floor in English and Bengali. Signs need to be indicating the name of the stair and the floor level. Signs shall be posted adjacent to the door.	

Suggested Deadline Date:	28 May 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:	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:	In compliance	
Source of Findings:	Photograph: Ramp	
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:	Not in compliance with Alliance Standard Part 6 Section 10 Ramps. Required slope was found but no handrail was found at ramp.	
Source of Findings:	Photograph: Ramp	
Suggested Plan of	Provide ramp with handrails on both sides of the ramp.	

Action:	
Suggested Deadline Date:	15 Oct 2014
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:	
Description:	NA
Source of Findings:	
Suggested Plan of Action:	Not applicable
Suggested Deadline Date:	
Standard:	Not Applicable

Fire Safety Programs

Question:	Are there additional areas of non-compliance to report?
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Daycare was located at 1st floor of building and not directly connected to an exit enclosure
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). If located on a higher floor, direct access to an exit enclosure shall be provided.
Suggested Deadline Date:	23 Jul 2014
Standard:	Not Applicable
Question:	A Fire Safety Director position has been filled.
Priority Level:	Low
Non-Compliance Level:	
Description:	In compliance. Md. Azizul Islam act as a Fire Safety Director
Source of Findings:	

Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
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:	An emergency evacuation plan has not been developed and communicated to all employees.	
Source of Findings:	Document Review: No emergency evacuation plan has been developed	
Suggested Plan of Action:	Develop an emergency evacuation plan which includes all components required by the Alliance Standards and communicate the plan to all employees.	
Suggested Deadline Date:	28 May 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:	In compliance	
Source of Findings:	Photograph: Egress map	
Suggested Plan of Action:	Not applicable	
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 has not been completed which is not in	

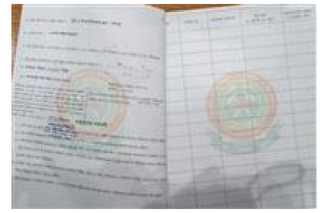
	compliance with Alliance Standards Part 13 Section 13.1 Fire Safety Director.	
Source of Findings:	Document Review: No pre-plan has been developed.	
Suggested Plan of Action:	Need to complete fire department pre-planning activities with the local Fire Service and Civil Defense.	
Suggested Deadline Date:	28 May 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:	In compliance	
Source of Findings:		
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.	 BANGLADESH GARMENT MANUFACTURERS & EXPORTERS ASSOCIATION (BGMEA)
Priority Level:	High	
Non-Compliance Level:		
Description:	In compliance. 455 no's worker have been taken training from BGMEA.	
Source of Findings:	Photograph: Training from BGMEA	
Suggested Plan of Action:	Not applicable	
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:	1	
Description:	No written housekeeping policy has established and enforced which is not in	

	compliance with Alliance Standards Part 13 Section 13.6 Housekeeping	
Source of Findings:	Document Review: No document was shown during inspection.	
Suggested Plan of Action:	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	
Suggested Deadline Date:	07 Jan 2015	
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	No hot-work permit program has been established, which is not in compliance with Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B. During visit 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:	15 Oct 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Chemicals and other flammable materials are stored within approved enclosures.	 
Priority Level:	Medium	
Non-Compliance Level:		
Description:	In compliance. Fuel stored in a separate area.	
Source of Findings:	Photograph: Fuel store room, Fuel storage	
Suggested Plan of Action:	Not applicable	
Suggested Deadline Date:		
Standard:		

Question:	Storage areas underneath the cutting tables are clear of combustibles.
Priority Level:	Medium
Non-Compliance Level:	
Description:	In compliance. Storage areas underneath the cutting tables were clear of combustibles.
Source of Findings:	Photograph: Cutting table
Suggested Plan of Action:	Not applicable
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:	1
Description:	The factory has not received the Alliance Safety Training Curriculum from Alliance at the date of this assessment.
Source of Findings:	Document Review: The factory has not received the Alliance Safety Training Curriculum from Alliance
Suggested Plan of Action:	Training programs need to be implemented and documented in accordance with the Alliance Safety Training Curriculum.
Suggested Deadline Date:	15 Oct 2014
Standard:	Alliance Standards Part 13

Question:	Smoking is only allowed at designated areas.
Priority Level:	Low
Non-Compliance Level:	
Description:	Smoking was not allowed in this 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:	1	
Description:	Not in compliance. Fire license valid up to 30 June 2014 but Boiler license expired on 18 February 2014. Also BERC license was not found (Generator Capacity-1270 KVA) but Waiver certificate found for 1270 KVA that is not reliable.	
Source of Findings:	Photograph: Fire license, Boiler license, BERC Waiver certificate	
Suggested Plan of Action:	All applicable permits including boiler license need to have up to date.	
Suggested Deadline Date:	28 May 2014	
Standard:	Alliance Standard Part 13 Human Element Programs	