INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name:	**TUNIC APPARELS LTD**
Address:	**Plot M-4/3, Road 7, Section 7 Mirpur, Dhaka Dhaka Dhaka Bangladesh**
Assessor:	**Emkay Enterprises LTD**
Date:	**21 Oct 2015**

Introduction to the Report

The following report contains a site profile and summary of non-conformities identified during an onsite assessment commissioned by the Alliance for Bangladesh Worker Safety (Alliance) and conducted by a third-party Qualified Assessment Firm (QAF). The assessment was conducted against the Alliance for Bangladesh Worker Safety Assessment Protocols (APs) and Fire Safety and Structural Integrity Standard, which is harmonized with the factory assessment guidelines developed by Bangladesh University of Engineering and Technology (BUET) for the Bangladesh National Tripartite Plan of Action (NTPA). The goal of the Alliance process is to provide clear and practical technical requirements by which Bangladeshi Ready Made Garment (RMG) Factories producing for Alliance members may be consistently and fairly evaluated for fire, structural, and electrical safety in a non-duplicative manner. Each assessment will prompt action plans that will be used by RMG factories to systematically and sustainably improve safety conditions for garment workers. Beyond tracking and reporting on action steps taken in a transparent manner, the Alliance organization and its members will seek to further support factory improvements through technical assistance, training, implementation support for functional Worker Committees, and in some cases financial assistance and wage support for workers if factories are closed for remediation.

The contents of the report do not constitute a guarantee of compliance with the applicable laws, the Alliance Standard or the absolute or continued safety against fire, electrical and/or structural integrity issues that may lead to injury or loss of life. The report is designed to provide a non-exhaustive summary of risk issues, based on a limited sampling and duration of time onsite by the named QAF. Neither the QAF nor the Alliance can certify or guarantee the quality, outcome, or effectiveness of actions taken in response to the report.

For more information and report feedback please go to: www.bangladeshworkersafety.org.

GENERAL INFORMATION

General Information	
Factory Name:	TUNIC APPARELS LTD
Address:	Plot M-4/3, Road 7, Section 7 Mirpur, Dhaka Dhaka Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Dhaka
Zip Code:	1217
Audit Duration:	1 Days 0 Hours
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	30 September 2015
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 3 buildings. One Main Buildings and two Ancillary Buildings.
Is the building(s) owned or rented by the Factory:	Rented
Number of Building Levels (Stories):	Main Building: 12 Stories with one basement (B + G + 11).
Approximate Building Area (SF):	Total: 92,600 SF (Basement: 6,900 SF, GF: 7,600 SF, 1st to 11th: 7,100 SF each).
Date of Building Construction:	1) Main Building: 1993-97; 2) Boiler Shed: 2000; 3) Generator Building: 2000.
Date of Last Building Renovation/Addition:	None
Ancillary Structures in Complex:	There are two ancillary structures.
Approximate Ancillary Structures Area (SF):	Total: 381 SF; (Boiler Shed: 107 SF, Generator Building: 274).
Number of Occupants:	Main Building: 827 (Basement: 20, GF: 23, 1st: 55, 2nd: 20, 3rd: 115, 4th: 195, 5th: 190, 6th: 190, 7th to 10th:

	Vacant, 11th: 19).
Number of Ancillary Levels (Stories):	1) Boiler Shed: Single story tin shed; 2) Generator Building: Single story RCC building.
Occupancy Type:	1) Main Building: G2, H2, F1, E4 & B2; 2) Boiler Shed: K; 3) Generator Building: K.
Construction Type:	1) Main Building: Type-1 (RCC Frame); 2) Boiler Shed: Non-rated (Semi-paka tin shed); 3) Generator Building: Type-1 (Brick work with RCC slab).
Height of Highest Occupied Floor Level Above Grade:	1) Main Building: Building Height: 39.94 m (131 ft), Highest Occupied Floor Height: 34.45 m (113 ft); 2) Boiler Shed: At Grade; 3) Generator Building: At Grade.

ASSESSMENT FINDINGS

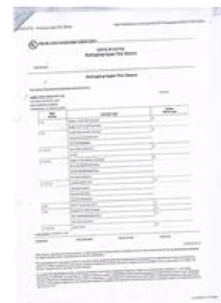
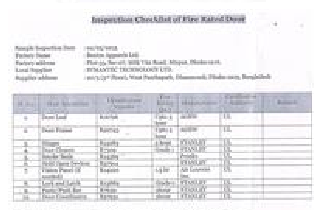
Fire Protection Construction

Question:	Are openings and penetrations through rated walls and/or assemblies protected?	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	1) Unprotected openings were noticed on GF of main building along the path of egress of 2nd stair; 2) Unprotected exit was noticed on GF of main building along the path of egress of 2nd stair.	
Source of Findings:	Photograph: 1) Unprotected openings at GF; 2) Unprotected exit at GF.	
Suggested Plan of Action:	Provide fire-resistive rated opening or penetration protection for rated walls and assemblies in accordance with Alliance Standard Sections 4.6 and 4.7. Consult a qualified fire protection engineer to design the required opening or penetration protection systems.	
Suggested Deadline Date:	13 Feb 2016	
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations	
Question:	Is each floor separated with a fire-resistive rated construction barrier?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Unprotected floor penetration was found in most of the floors near the cable shaft.	
Source of Findings:	Photograph: Unprotected floor penetration.	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between floors in accordance with Alliance Standard Section 4.5. Consult a qualified fire protection engineer to design the rated construction barriers.	
Suggested Deadline Date:	13 Feb 2016	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	

Question:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	Exit was not fully protected by continuous fire rated assemblies. The building is 12 stories, wall of stairwells were 10 inches. Fire rated doors were installed in most of exits leading to stairwells, but identification number of provided fire door certificate does not matched with the some fire doors frame, hinges, door leaf, and push bar that are installed.
Source of Findings:	Photograph: 1. Identification number of Fire door accessories; 2. Fire door in exit enclosure; 3. Fire door certificate. 4. Factory provided identification number of Fire door accessories.
Suggested Plan of Action:	Provide proper fire door certificate in accordance with Alliance Standard. If not in compliance, provide associated opening protection for exit enclosures in accordance with Alliance Standard Sections 4.5, 4.6, and 6.3.1.2. Consult a qualified fire protection engineer to design the required rated opening protection.
Suggested Deadline Date:	07 May 2016
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation







Inspection Checklist of Fire Rated Door

Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Unprotected openings were found in finished goods storage on the ground floor of main building.
Source of Findings:	Photograph: Unprotected opening at finished goods store.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers (with associated opening protection) between hazard types in accordance with Alliance Standard Sections 3.4 and 4.5. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	13 Feb 2016
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation


TUNIC APPARELS LTD.

Question:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low
Non-Compliance Level:	1
Description:	Occupancy certificate for building was not available during this inspection, but the factory applied to RAJUK on 16 June 2015 for occupancy certificate.
Source of Findings:	Photograph: Application copy for occupancy certificate.
Suggested Plan of Action:	Follow up with the 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:	02 Jan 2016
Standard:	Are certificates of occupancy provided for each building or ancillary structure?

Fire Protection Systems

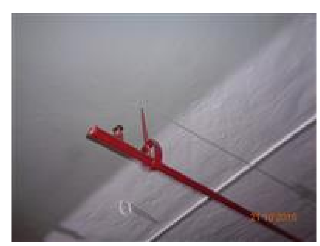
Question:	Is the building protected by an automatic sprinkler system?
Priority Level:	High
Non-Compliance Level:	3
Description:	The Main Building is the tallest building, with the height of the highest occupied floor level at 34.45 m (113 ft). Hence, an automatic sprinkler system is required throughout the building. Currently, an automatic sprinkler system is installed only on the ground floor of Main Building.
Source of Findings:	Visual Assessment: Automatic sprinkler system is installed only on the ground floor of Main Building.
Suggested Plan of Action:	Install automatic fire sprinkler systems throughout the facility. Manufacturing areas and storage less than 12 feet high is classified Ordinary Hazard (Group 2). Sprinkler systems should be designed to deliver 0.20 gpm/ft2 over the most remote 1500 square feet. 250 gpm hose allowance. 90 minute water supply duration. The owner plans to install rack storage systems in the warehouse. This may include solid shelf storage of Class III or IV commodities up to 20 feet high. Install a system of open racks to eliminate the need for in-rack sprinklers. Install an ESFR sprinkler system designed to deliver 98 gpm at the 12 most remote sprinklers. 250 gpm hose allowance. 60 minute water duration. All sprinkler installations shall be submitted for review by the Alliance prior to commencement of installation.
Suggested Deadline Date:	30 Jul 2016
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:	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:	Sprinklers were installed only on the ground floor of the main building, not throughout the building.	
Source of Findings:	Visual Assessment: Sprinklers were installed only on the ground floor of the main building.	
Suggested Plan of Action:	Install sprinkler system throughout the Main Building. Also, ensure spacing and coverage is compliant with NFPA 13.	
Suggested Deadline Date:	13 Feb 2016	
Standard:	Reference NFPA 13	
Question:	Does the building have a Standpipe System?	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Class-I standpipe hose connections (65 mm connection) were found in the intermediate landing of the stair and class-II standpipe hose connections (40 mm connection with attached hose) were found inside the floor near exit enclosures. However, the standpipe hose connections were installed on alternate floors and not for every floor of the building.	
Source of Findings:	Photograph: 1. Class-I standpipe hose connection (65 mm connection); 2. Class-II standpipe hose connection (40 mm connection with attached hose).	
Suggested Plan of Action:	Modify or install standpipe system at required locations in accordance with Alliance Standard Section 5.4 and NPFA 14. Standpipe system must comply with NFPA 14. The hydraulic calculations should be submitted and reviewed by Alliance prior to start of work. All standpipe system installation activities shall be submitted for reviewed by the Alliance prior to commencement of installation in accordance with Section 5.4.3.2.	
Suggested Deadline Date:	07 May 2016	
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
Question:	Does the building have a fire pump?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	The factory has a fire pump, but it will need to be evaluated and likely modified/replaced due to capacity concerns based on sprinkler and standpipe modifications required for the facility.	

Source of Findings:	Photograph: Dedicated fire pump.	
Suggested Plan of Action:	Evaluate the existing fire pump arrangement and modify or replace the dedicated fire pump for the facility in accordance with NFPA 20 to supply the demands of the connected fire protection systems. Provide a stored source of water sufficient to meet the demands in accordance with NFPA 22. Fire pump installation shall be tested for final acceptance in presence of Alliance and a final inspection of the installation shall be conducted by the Alliance prior to final acceptance of the installation by the Alliance as per clause 5.5.5. Acceptance testing of the installation shall be in accordance with NFPA 20, 22, and 25 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance. The pump shall be connected to an alternative power source such as a generator. The generator shall be configured with an ATS (auto starter).	
Suggested Deadline Date:	07 May 2016	
Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type?	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Pull stations at egress points: Manual fire alarms are installed. Push type switches are used as fire alarm call points; Detectors: Automatic fire alarm and addressable detection system is available in the factory premises, but the number of detectors is not sufficient; Audible and Visual devices: Visual alarm and audible devices are available.	
Source of Findings:	Photograph: 1. Push switch as fire alarm call point; 2. Fire alarm control panel.	
Suggested Plan of Action:	Install initiating devices and notification appliances as required by the Alliance Standard and NFPA 72. This includes electrical supervision of all valves controlling fire protection systems (sprinklers, fire pumps, water supplies, etc.). Connect devices to the automatic fire alarm and detection system for the facility. All fire alarm installations or modifications shall be documented with shop drawings and submitted for review by the Alliance prior to commencement of installation.	
Suggested Deadline Date:	13 Feb 2016	
Standard:	Pull stations at egress points, smoke detectors in air handling equipment, visual and audible devices spaced appropriately based on occupancy type. Reference NFPA 72	
Question:	All valves controlling the automatic sprinkler systems are electrically supervised by a listed fire alarm system control unit.	
Priority Level:	Medium	
Non-Compliance Level:	3	

Description:	Fire alarm control unit was available, but valves of automatic sprinkler system were not connected with the control panel and not electrically supervised.
Source of Findings:	Visual Assessment: Valves of automatic sprinkler systems were not connected to the fire alarm control panel.
Suggested Plan of Action:	Install initiating devices as required by the Alliance Standard and NFPA 72 for electrical supervision of all valves controlling fire protection systems (sprinklers, fire pumps, water supplies, etc.). Connect devices to an automatic fire alarm and detection system for the facility. All fire alarm installations or modifications shall be documented with shop drawings and submitted for review by the Alliance prior to commencement of installation.
Suggested Deadline Date:	07 May 2016
Standard:	Reference Alliance Standard Part 5 Section 5.3.5 Supervision and Alarms.

Question:	Are portable fire extinguishers installed throughout the building at required locations and mounted at the correct height?
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Portable fire extinguishers were installed throughout the building at required locations and mounted at the correct heights except in the office area on the 2nd floor of the Main Building.
Source of Findings:	Visual Assessment: No portable fire extinguishers were found in the office area on the 2nd floor of the Main Building.
Suggested Plan of Action:	Install fire extinguishers at locations and heights based on hazard type per BNBC Part 4 and NFPA 10.
Suggested Deadline Date:	13 Feb 2016
Standard:	BNBC Part 4 Section 4.10 and NFPA 10

Question:	Are hangers, bracing, and restraints properly installed and supporting the system piping?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Sprinkler system piping was only fitted with vertical non-adjustable swivel ring hanger, no angular or sway bracing was noted during inspection.	
Source of Findings:	Photograph: Sprinkler system piping fitted with vertical non-adjustable swivel ring hangers.	
Suggested Plan of Action:	Modify the hangers, bracing, and restraint of sprinkler piping to meet the requirements of NFPA 13 chapter 9. Consult a qualified fire protection engineer to design the proper piping supports.	

Suggested Deadline Date:	07 May 2016	
Standard:	Reference NFPA 13 Chapter 9 Hanging, Bracing, and Restraint of System Piping.	
Question:	Aisles in storage areas are free of storage based on design criteria used for the sprinkler system.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No aisles marking was found in the storage area on the ground floor of the Main Building.	
Source of Findings:	Visual Assessment: No aisles marking was found during the inspection.	
Suggested Plan of Action:	Define and mark minimum aisles which shall be maintained free of storage in accordance with NFPA 13 chapter 12, based on the design criteria used for the sprinkler system.	
Suggested Deadline Date:	07 May 2016	
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:	2	
Description:	Clearance distance from the top of storage to the sprinkler deflectors was measured to be less than 460 mm (18 in).	
Source of Findings:	Photograph: Distance between the top of storage and sprinkler deflector.	
Suggested Plan of Action:	Provide proper clearance between storage and sprinkler deflectors in accordance with Alliance Standard Section 5.3.6.1.	
Suggested Deadline Date:	07 May 2016	
Standard:	Reference Alliance Standards Part 5 Section 5.3.6.1 Storage Clearance	
Question:	Fire extinguishers are inspected, tested, and maintained as required.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Not all of the requirements of NFPA 10 are being checked, only the inspection checklists with the monthly dates on each extinguisher are being verified.	

Source of Findings:	Photograph: Inspection checklist for an extinguisher.	
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for all fire extinguishers and prepare proper documentation. Program must comply with NFPA 10.	
Suggested Deadline Date:	07 May 2016	
Standard:	NFPA 10 Chapter 7	
Question:	Are identification signs for the sprinkler system installed at the required locations?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	No identification signs for the sprinkler system were found during the inspection.	
Source of Findings:	Visual Assessment: No identification signs for the sprinkler system were installed.	
Suggested Plan of Action:	Provide identification signs with permanently marked water proof metal or rigid plastic for the required components of sprinkler system as per NFPA 13.	
Suggested Deadline Date:	07 May 2016	
Standard:	Reference NFPA 13	
Question:	Does the automatic sprinkler system have an approved audible device activated by waterflow equal to the flow of one sprinkler?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	No audible device was found connected to the sprinkler system.	
Source of Findings:	Visual Assessment: No audible device was connected with the sprinkler system.	
Suggested Plan of Action:	Install an approved audible device connected to the automatic sprinkler system for each building. Activation of the waterflow shall activate the fire alarm system.	
Suggested Deadline Date:	07 May 2016	
Standard:	Reference Alliance Standards Part 5 Section 5.3.5.2 Alarms.	
Question:	Are inspection, maintenance, and testing procedures of the sprinkler system documented and up to date?	

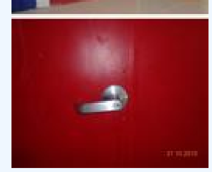
Priority Level:	Low
Non-Compliance Level:	2
Description:	No plan or record of inspection, testing and maintenance of the sprinkler system was found during inspection.
Source of Findings:	Visual Assessment: No inspection, testing and maintenance documents were found.
Suggested Plan of Action:	Establish an inspection, maintenance and testing program for the sprinkler system. Program needs to comply with the requirements of NFPA 25.
Suggested Deadline Date:	07 May 2016
Standard:	Reference NFPA 25 Chapter 5 Sprinkler Systems Table 5.1.1.2
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:	2
Description:	Plan and record of inspection, testing and maintenance of standpipe and hose system was not available during inspection.
Source of Findings:	Document Review: No plans and/or records were found during this inspection.
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for the standpipe system. Program shall comply with NFPA 25. Any newly installed standpipe system shall be evaluated for compliance with the design pressure and flow demands of NFPA 14 or BNBC Section 5.4.3.
Suggested Deadline Date:	13 Feb 2016
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?
Priority Level:	Low
Non-Compliance Level:	1
Description:	No inspection, testing and maintenance procedures of fire pump were available during this inspection.
Source of Findings:	Document Review: No documents were found during this inspection.
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the fire pump. Program shall comply with NFPA 25.

Suggested Deadline Date:	13 Feb 2016	
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps	
Means of Egress		
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 discharge of the 2nd stair of the Main Building passes through an exit passageway, but the exit passageway is not fully protected as per Alliance standard.	
Source of Findings:	Photograph: 1. Unprotected exit open with the exit passageway. 2. Unprotected opening open with the exit passageway.	
Suggested Plan of Action:	Provide an exit passageway in accordance with Alliance Standard Section 6.15. Consult a qualified fire protection engineer to design and/or approve the required exit passageway.	
Suggested Deadline Date:	07 May 2016	
Standard:	Alliance Standard Part 6 Section 6.17 Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.	
Question:	All occupied roofs are provided with parapets or guards with a minimum height of 1067 mm (42 in.).	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Parapets or guards are provided on the occupiable roof, but the height of parapet is 990 mm (39 in.) for the Main Building.	
Source of Findings:	Photograph: Parapet on the occupiable roof.	
Suggested Plan of Action:	Provide parapets or guards with a minimum height of 1067 mm (42 in.) for all occupiable roof areas in accordance with Alliance Standard Section 6.12.	
Suggested Deadline Date:	07 May 2016	
Standard:	Alliance Standard Part 6 Section 12 Handrails and Guards	

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:	3
Description:	Changes in elevations were found along the walking surfaces on most of the floors without beveled slope.
Source of Findings:	Photograph: Changes in elevation.
Suggested Plan of Action:	Remove or reduce the change of elevation with beveled slope do not exceed 12.7 mm (1/2 in). Also mark with additional signage or floor markings.
Suggested Deadline Date:	13 Feb 2016
Standard:	Alliance Standard Part 6 Section 6.3.4 Walking Surfaces

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:	3
Description:	Handrails were provided only on open sides of both stairs. Handrail height was measure to be 945 mm (37.2 in). Maximum width of stair was measured to be less than 2.2 m, so intermediate handrail is not required.
Source of Findings:	Photograph: 1. Handrail on open side at stair-1; 2. Handrail on open side at stair-2.
Suggested Plan of Action:	Install handrails on both sides of the stairs. Mount new handrail at a height consistent with existing height, between 865 mm (34 in.) and 965 mm (38 in.).
Suggested Deadline Date:	07 May 2016
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards

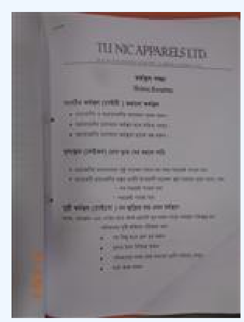
Question:	Every door in a stair enclosure serving more than 5 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Re-entry provision was available for every exit door (fire door) of both stairs, but locking devices were provided on the doors. If the door were to be locked, it can only be opened from inside the floor and not from the stair.



Source of Findings:	Photograph: No provision for re-entry in fire door.	
Suggested Plan of Action:	Provide re-entry to floor levels from the stairwells in accordance with Alliance Standard Section 6.8.3.	
Suggested Deadline Date:	13 Feb 2016	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress.	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Occupant loads are not posted for any assembly or production floor areas in a conspicuous space near the main point of egress.	
Source of Findings:	Visual Assessment: No signage was found during this inspection.	
Suggested Plan of Action:	Post the occupant load for all assembly and production floor areas in a conspicuous space near the main exit or exit access doorway for the space in accordance with Alliance Standard Section 6.4.4.	
Suggested Deadline Date:	19 Dec 2015	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	Emergency power for means of egress illumination is verified at least once per year. If battery operated lights are used, these lights are tested on a monthly basis. Functional testing of battery powered lights is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	1	
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 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:	19 Dec 2015	
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting	

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:	1
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 verified at least once per year. If battery-operated signs are used, these signs shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year.
Suggested Deadline Date:	19 Dec 2015
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:	3
Description:	The illumination levels and contrasting graphics of some exit signs were noticed as not being in compliance with the Alliance Standard.
Source of Findings:	Visual Assessment: Illumination levels of some exit signs were found very low.
Suggested Plan of Action:	Provide continuously illuminated exit signs at all required exits and along egress paths, especially where path has a change of direction. Exit signs may be illuminated either by lamps exterior to the sign or contained within the sign. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2 cd/m2 may also be used.
Suggested Deadline Date:	07 May 2016
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs
Question:	Stair designation signs are provided at each floor entrance from the stair to the floor in English and Bengali. Signs indicate the name of the stair and the floor level. Signs are posted adjacent to the door.
Priority Level:	Low
Non-Compliance Level:	1
Description:	No stair designation signs were posted at any of the stairs.

Source of Findings:	Visual Assessment: No stair designation signs were posted at any of the stairs.	
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level in both English and Bengali.	
Suggested Deadline Date:	13 Feb 2016	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs	
Fire Safety Programs		
Question:	Are the required number of people trained and certified in fire fighting, first aid, and rescue training by the appropriate authority.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	40 workers have been trained from Fire Service & Civil Defence, and 40 workers have been trained from BGMEA out of 827 workers.	
Source of Findings:	Photograph: Training certificate from Fire Service and Civil Defence.	
Suggested Plan of Action:	Provide training and certification for the required number of people (25% of total workers) in fire fighting, first aid, and rescue training by an appropriate authority in accordance with the Alliance Safety Training Curriculum.	
Suggested Deadline Date:	07 May 2016	
Standard:	Alliance Standard Part 13 Human Element Programs	
Question:	Storage areas underneath the cutting tables are clear of combustibles.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Combustibles were found underneath the cutting tables during the inspection.	
Source of Findings:	Photograph: Combustibles underneath the cutting table.	
Suggested Plan of Action:	Remove all combustibles stored underneath the cutting tables in accordance with Alliance Standard Section 13.7.2.	
Suggested Deadline Date:	05 Dec 2015	
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.	
Question:	A Fire Safety Director position has been filled.	
Priority Level:	Low	

Non-Compliance Level:	3	
Description:	No fire safety director has been designated for this factory.	
Source of Findings:	Document Review: No HR file of Fire Safety Director position was found during this inspection.	
Suggested Plan of Action:	Create a Fire Safety Director position and fill the position with an individual that has sufficient training to be able to carry out the required duties in accordance with Alliance Standard Section 13.1.	
Suggested Deadline Date:	07 May 2016	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Fire Department per-planning has not been completed.	
Source of Findings:	Document Review: No document was found during visit.	
Suggested Plan of Action:	Complete Fire Department pre-planning activities with the local Fire Service and Civil Defence in accordance with Alliance Standard Section 13.1.1(2).	
Suggested Deadline Date:	19 Dec 2015	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	A written housekeeping policy is established and enforced.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	A written housekeeping policy is established, but does not encompass all the requirements of the Alliance Standard.	
Source of Findings:	Photograph: Housekeeping policy.	
Suggested Plan of Action:	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling.	
Suggested Deadline Date:	07 May 2016	
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. Also during inspection, no hot work operation was ongoing at the facility.
Source of Findings:	Document Review: No document was shown during inspection.
Suggested Plan of Action:	Develop and implement a hot work permit program. The program shall comply with the requirements of NFPA 51B.
Suggested Deadline Date:	19 Dec 2015
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B