

INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **R.S.B. INDUSTRIAL LIMITED**
Address: **Plot # 35, Sector # 4, CEPZ, Chittagong Chittagong
Chittagong Bangladesh**
Assessor: **Bureau Veritas**
Date: **06 May 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:	R.S.B. INDUSTRIAL LIMITED
Address:	Plot # 35, Sector # 4, CEPZ, Chittagong Chittagong Chittagong Bangladesh
Country:	Bangladesh
Province:	Chittagong
City:	Chittagong
Zip Code:	4223
Audit Duration:	2 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	05-08-2014
Final Report Date:	06-24-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 8 buildings on the factory premises: 1) Main Factory Building; 2) Prefab Boiler & Compressor Shed; 3) Prefab Generator Shed; 4) Prefab Childcare & Doctor Shed; 5) Prefab Diesel Storage Shed; 6) Prefab Garbage Jute Shed; 7) Prefab Security Shed; 8) Prefab Sub-station Room.
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Main factory building: Building height: 17.83m (58.5 ft), Highest occupied floor level: 12.34 m (40.5 ft), Stories above grade: 4, Stories below grade: 0, Occupied levels: 4.
Approximate Building Area (SF):	Total area of all buildings: 71,732 sq ft. By building: 1) Main factory building: 69,140 sq ft (Ground floor: 17,285 sq ft, 1st floor: 17,285 sq ft, 2nd floor: 17,285 sq ft, 3rd floor: 17,285 sq ft); 2) Prefab boiler & compressor shed: 400 sq ft; 3) Prefab generator shed: 150 sq ft; 4) Prefab childcare & doctor shed: 200 sq ft; 5) Prefab diesel storing shed: 64 sq ft; 6) Prefab garbage jute shed: 1,453 sq ft; 7) Prefab security shed: 100 sq ft; 8) Prefab Sub-station room: 225 sq ft.
Date of Building Construction:	Factory personnel informed the date of construction as follows: 1) Main factory building: (Up to 1st floor: 1993-1994, up to 3rd floor: 2009-2010); 2) Prefab boiler & compressor shed: unknown; 3) Prefab generator shed: unknown; 4) Prefab childcare & doctor shed: unknown; 5) Prefab diesel storing shed: unknown; 6) Prefab garbage jute shed: unknown; 7) Prefab security shed: unknown; 8) Prefab Sub-station room: unknown.
Date of Last Building Renovation/Addition:	Main factory building: 3rd floor renovation completed in 2010. No records for renovation or addition to ancillary buildings.



Ancillary Structures in Complex:	1) Prefab boiler & compressor shed, 2) Prefab generator shed, 3) Prefab childcare & doctor shed, 4) Prefab diesel storing shed, 5) Prefab garbage jute shed, 6) Prefab security shed, 7) Prefab Sub-station room.
Approximate Ancillary Structures Area (SF):	1) Prefab boiler & compressor shed: 400 sq ft; 2) Prefab generator shed: 150 sq ft; 3) Prefab childcare & doctor shed: 200 sq ft; 4) Prefab diesel storing shed: 64 sq ft; 5) Prefab garbage jute shed: 1,453 sq ft; 6) Prefab security shed: 100 sq ft; 7) Prefab Sub-station room: 225 sq ft.
Number of Occupants:	Total number of occupants: 1080. 1) Four story main factory building: 1054 (Ground floor: 150, 1st floor: 440, 2nd floor: 460, 3rd floor: 4), 2) Single story prefab boiler & compressor shed: 2, 3) Single story prefab generator shed: 2, 4) Single story prefab childcare & doctor shed: 8, 5) Single story prefab diesel storing shed: 1, 6) Single story prefab garbage jute shed: 7, 7) Single story prefab security shed: 6, 8) Single story prefab Sub-station room: 0.
Number of Ancillary Levels (Stories):	1) Single story prefab boiler & compressor shed: Building height (Highest occupied floor level): 30 cm or 1 ft above grade [Height up to roof: 2.44 m or 8 ft], Occupied levels: 1, 2) Single story prefab generator shed: Building height: 30 cm or 1 ft above grade [Height up to roof: 8 ft], Occupied levels: 1, 3) Single story prefab childcare & doctor shed: Building height: 30 cm or 1 ft above grade [Height up to roof: 10 ft], Occupied levels: 1, 4) Single story prefab diesel storing shed: Building height: 30 cm or 1 ft above grade [Height up to roof: 8 ft], Occupied levels: 1, 5) Single story prefab garbage jute shed: Building height: 30 cm or 1 ft above grade [Height up to roof: 10 ft], Occupied levels: 1, 6) Single story prefab security shed: Building height: 30 cm or 1 ft above grade [Height up to roof: 10 ft], Occupied levels: 1, 7) Single story prefab Sub-station room: Building height: 30 cm or 1 ft above grade [Height up to roof: 10 ft], Occupied levels: 1.



ASSESSMENT FINDINGS

Fire Protection Construction

Question:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	There are 2 stairs in the 4 story main building. None of the stairs are fire proof. No fire door is installed at exits of any floor. The exit enclosures are not provided with fire-resistive rated construction barriers. The single story ancillary sheds do not have any stair.
Source of Findings:	Photograph: Exit enclosures not provided with fire-resistive rated barriers.
Suggested Plan of Action:	Provide 2 hr fire-resistive rated construction barriers at exit enclosures. Fit outward opening, side-swinging, self-closing, non-lockable fire doors of 1.5 hr rating in all stairwell enclosures. Consult a qualified fire protection engineer to design the required rated construction barriers.
Suggested Deadline Date:	30 Aug 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation
Question:	Are openings and penetrations through rated walls and/or assemblies protected?
Priority Level:	High
Non-Compliance Level:	2
Description:	Door and windows of boiler room, generator room, sub-station room, storage at ground floor; connecting bridges between two building from 1st to 3rd floor; accessories storage at 1st floor; accessories storage at 2nd floor are not protected.
Source of Findings:	Photograph: Boiler shed at Ground Floor, Connecting bridges between two building, Sub-station room at Ground Floor
Suggested Plan of Action:	Provide fire-resistive rated opening and penetration protection for rated walls and assemblies in accordance with Alliance Standards Section 4.6 and 4.7. Consult a qualified fire protection engineer to design the required opening protective and penetration systems.
Suggested Deadline Date:	30 Aug 2014
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations





Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Fabric and finished goods storage at ground floor, accessories storage at 1st floor, accessories storage at 2nd floor are not separated by fire-resistive rated construction barriers.
Source of Findings:	Photograph: Fabric and finished goods store at ground floor.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between hazard types in accordance with Alliance Standards Section 3.4 and 4.5. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	22 Nov 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation
Question:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low
Non-Compliance Level:	1
Description:	No occupancy certificate available for any building in the factory premises.
Source of Findings:	Document Review: There was no occupancy certificate for any of the buildings among the documents shown by the factory concerned people.
Suggested Plan of Action:	Apply to CEPZ or proper authority for issuance of occupancy certificate and pursue the matter to expedite.
Suggested Deadline Date:	19 Jul 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?
Question:	Occupancy Type
Priority Level:	
Non-Compliance Level:	
Description:	1) Main factory building - Ground floor: G2 (Packing, Cutting), H2 (Fabric store), F1 (Lab), 1st floor: G2 (Sewing, Finishing), F1 (Office), H2 (Fabric Store), 2nd floor: G2 (Sewing, Finishing), F1 (Office), H2 (Fabric Store), 3rd floor: E3 (Dining), F1 (Training room), H2 (Store); 2) Prefab boiler & compressor shed: K (Boiler & compressor); 3) Prefab generator shed: K(Generator); 4) Prefab childcare & doctor shed: B2 (Child care), D1 (Medical); 5) Prefab diesel storing shed: K(Utility store); 6) Prefab garbage jute shed: H2 (Storage); 7) Prefab security shed: F1 (office); 8) Prefab Sub-station room: K (Sub-station).





Source of Findings:	
Suggested Plan of Action:	
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:	1) Main factory building - Ground floor to 2nd floor: Type 1, 3rd floor: Non-rated (Only ceiling); 2) Prefab boiler & compressor shed: Non-rated; 3) Prefab generator shed: Non-rated; 4) Prefab childcare & doctor shed: Non-rated; 5) Prefab diesel storing shed: Non-rated; 6) Prefab garbage jute shed: Non-rated; 7) Prefab security shed: Non-rated; 8) Prefab Sub-station room: Type 1.
Source of Findings:	
Suggested Plan of 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:	1) Main factory building: 12.34 (40.5 ft); 2) Prefab boiler & compressor shed: 30 cm (1 ft); 3) Prefab generator shed: 30 cm (1 ft); 4) Prefab childcare & doctor shed: 30 cm (1 ft); 5) Prefab diesel storing shed: 30 cm (1 ft); 6) Prefab garbage jute shed: 30 cm (1 ft); 7) Prefab security shed: 30 cm (1 ft); 8) Prefab Sub-station room: 30 cm (1 ft).
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Provide maximum height of highest occupied floor level above grade for each type of building and ancillary structure.



Fire Protection Systems

Question:	Does the building have a Standpipe System?
Priority Level:	High
Non-Compliance Level:	3
Description:	Height of the highest occupied floor of the main factory building is 12.34 m (40.5 ft) above grade. 2 (per floor) Class-II standpipe hose connections (25 mm) are installed. However, hose pressure is negligible. There is no hydraulic design for the installed system. There is no Class-I standpipe hose connection (65 mm) in required stairs. Standpipe systems need to be installed throughout the main building in accordance with Alliance Standard 5.4.2 and NFPA 14, 20, 22 and 25.
Source of Findings:	Photograph: Class-II type standpipe hose connection (25 mm),no Class-I standpipe hose connection (65 mm) in stairwells
Suggested Plan of Action:	Install standpipe system at required locations. Standpipe system must comply with NFPA 14.
Suggested Deadline Date:	30 Aug 2014
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:	There is no fire pump in the factory premises to supply water in case of fire incidence.
Source of Findings:	Visual Assessment: During site tour, no dedicated fire pump was noticed in the factory premise or anywhere nearby.
Suggested Plan of Action:	Install a dedicated fire pump for the facility in accordance with NFPA 20 to supply the demands of the connected fire protection systems along with a stored source of water sufficient to meet the demands in accordance with NFPA 22. Fire pump installation is to 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 24 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance. This pump is to be connected to alternative power source like generator. And the generator is to be connected with ATS (auto starter).
Suggested Deadline Date:	22 Nov 2014
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:	1	
Description:	Pull stations, smoke detectors, visual and audible devices are placed where required but approved shop drawing was not found.	
Source of Findings:	Visual Assessment: Notification and initiation devices were observed during site tour and approved shop drawing was not found.	
Suggested Plan of Action:	Install initiating devices and notification appliances as required by the Alliance Standard and NFPA 72. Devices should be part of an automatic fire alarm and detection system for the facility. All fire alarm installations or renovations shall be submitted for review by the Alliance prior to commencement of installation.	
Suggested Deadline Date:	30 Aug 2014	
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 fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Fire department (Siamese) inlet connection and outlet connection (pillar hydrant) is not provided in accordance with Alliance Standard Section 5.5.4.	
Source of Findings:	Visual Assessment: During site tour, no fire department connection was noticed.	
Suggested Plan of Action:	Install fire department connections where required and in accordance with Alliance Standard Part 5 Section 5.5.4. Connections shall match the Fire Service and Civil Defence hose thread standard.	
Suggested Deadline Date:	22 Nov 2014	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Fire alarm and detection system is monitored by a central monitoring station	



	located at security shed. Since there is no services available for monitoring of the fire alarm and detection system, factory should have an arrangement of monitoring the system with its own personnel. No such arrangement is evident.	
Source of Findings:	Photograph: Fire alarm and detection system monitored centrally.	
Suggested Plan of Action:	Arrange for direct connection of the fire alarm system to a central monitoring station or Fire Service and Civil Defence as per Alliance Standard Part 5 Section 5.7.5 Monitoring. Until that time that monitoring can be set up, arrange a monitoring system using own central detection system and personnel. A person shall be assigned to contact the fire department in the event of fire alarm activation. An annunciator shall be located in a constantly attended location (such as a fire control room) to alert this person.	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
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:	Class III standpipe system is not installed in the building. Inspection, maintenance, and testing record of the hose system documented and up to date but not as per NFPA 25.	
Source of Findings:	Photograph: Hose system check list found.	
Suggested Plan of Action:	Once standpipe system is installed, establish an inspection, testing maintenance program for the standpipe system. Program must comply with NFPA 25. Any newly installed standpipe system need to be evaluated for compliance with the design pressure and follow demands of NFPA 14 or BNBC Section 5.4.3	
Suggested Deadline Date:	30 Aug 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:	2	
Description:	Class III standpipe system is not installed in the building. Signage for the available class II standpipe system is not installed.	
Source of Findings:	Visual Assessment: During site tour, no signage for available class II standpipe system was noticed.	



Suggested Plan of Action:	Once standpipe system is installed, install signage at required locations and on required equipment. Signage must comply with NFPA 14.	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Reference NFPA 14 Chapter 6	
Means of Egress		
Question:	Doors are not locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices have been removed where required.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	There is provision for hasps, locks, slide bolts are available at the exit doors but not locked during working hour.	
Source of Findings:	Photograph: Doors are locked in the direction of egress.	
Suggested Plan of Action:	Remove all hasps, locks, slide bolts, or other locking devices at the noted locations.	
Suggested Deadline Date:	21 Jun 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	All doors in a means of egress are of the side-hinged swinging type.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Doors in a means of egress are collapsible gate in one exit at all floor. In other exit sliding glass door used in all floor.	
Source of Findings:	Photograph: Doors in a means of egress are collapsible gate in one exit at all floor.	
Suggested Plan of Action:	Replace all non-compliant doors and frames in the means of egress with doors that are listed, approved, automatic-closing, side-swinging, fire rated doors in compatible fire rated frames with latching panic hardware.	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	



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:	2
Description:	Stair-02 (North-west) ends at Ground Floor, but the exit path passes between areas where storage, sub-station, and other factory production uses exist. The exit path is not fire separated from the adjacent uses.
Source of Findings:	Photograph: Exit-02 discharge is not directly to the exterior of the building.
Suggested Plan of Action:	Provide rated exit passageway (i.e. protected path of egress from the exit enclosure to the public way). The rating of the exit passageway is to be equal to fire rating requirement of the exit that is being served and shall not be less than 1 hr fire-resistance rated.
Suggested Deadline Date:	30 Aug 2014
Standard:	Alliance Standard Part 6 Section 6.17 Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.
Question:	Means of egress are free from impediments, obstructions, and stored materials.
Priority Level:	High
Non-Compliance Level:	2
Description:	Aisles is partially blocked on ground, 1st and 3rd floor of main factory building.
Source of Findings:	Photograph: Aisles is partially blocked on 1st and floor.
Suggested Plan of Action:	Keep means of egress continuously free and clear of all obstructions or impediments to full instant use in the case of fire or other emergency. Remove all locks or other devices installed on a means of egress component that would prevent any occupant from having safe egress from the building or structure.
Suggested Deadline Date:	07 Jun 2014
Standard:	Alliance Standard Part 6 Section 6.3.8 Impediments to means of egress and Section 6.3.9 Reliability
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:	2
Description:	Door widths are more than 0.8 m, but doors along the path of egress (i.e. doors in the wall of the exit enclosure) are not fire doors and do not have



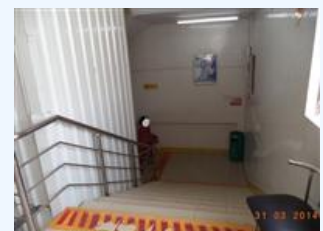


	required rating.	
Source of Findings:	Visual Assessment: During site tour, no fire door was found at egress points.	
Suggested Plan of Action:	Provide 1.5 hr fire protective opening assemblies in 2 hr rated exit enclosures.	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.5.6 Minimum Widths. Increased occupant loads will require a door width greater than 0.8 m.	
Question:	Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Occupant loads are not posted in a conspicuous space near the main exits or exit access doorways as demanded in Alliance Standard Part 6 Section 6.4.4.	
Source of Findings:		
Suggested Plan of Action:	Post the occupant load 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:	05 Jul 2014	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	All paths of egress are provided with compliant means of illumination.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Emergency light for illumination is not sufficient in 3rd floor of main factory building.	
Source of Findings:	Photograph: Exit access were found insufficiently illuminated while auditing.	
Suggested Plan of Action:	Install appropriate means of illumination at the noted locations. The means of egress paths shall be illuminated at all times the building is occupied. Illumination shall be a minimum of 10 lux for all corridors, exit doors, and stairways. Aisles shall be provided with a minimum 2.5 lux.	
Suggested Deadline Date:	22 Nov 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:	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:	Record of verifying emergency power for means of egress illumination was not found as required in accordance with Alliance Standards Part 10 Section 10.12.2.3.
Source of Findings:	Photograph: Emergency Light Check list.
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of all egress lighting is verified at least once per year. If battery-operated lights are used, these lights shall be tested on a monthly basis. Functional testing of battery powered lights shall be provided for a minimum 90 min once per year.
Suggested Deadline Date:	05 Jul 2014
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting
Question:	Illuminated exit signs are placed at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Illuminated exit signs are placed at entrances to exits, but not placed along the path of egress where the continuation of egress is not obvious.
Source of Findings:	Photograph: Illuminated exit signs are not placed along the path of egress.
Suggested Plan of Action:	Install Illuminated exit signs at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.
Suggested Deadline Date:	22 Nov 2014
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs
Question:	Handrails are provided on both sides of each stairway. Intermediate handrails are provided when the stair width exceeds 2.2 m (87 in.). Handrails are not mounted lower than 760 mm (30 in.) or higher than 1100 mm (44 in.).
Priority Level:	Medium
Non-Compliance Level:	2





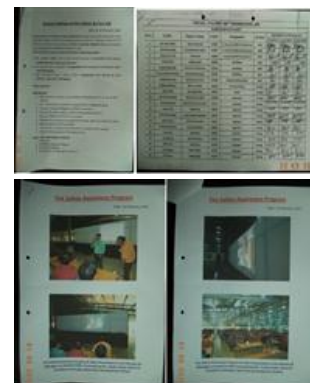
Description:	Handrails are not provided on both sides of the stairs. Handrails are mounted 36 in. in both stairs.	
Source of Findings:	Photograph: Handrails are not provided on both sides of each stairway.	
Suggested Plan of Action:	Provide handrails on both sides of each stairway. Install handrails at a height between 865 mm (34 in.) and 965 mm (38 in.).	
Suggested Deadline Date:	22 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	
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 plan or record of conducting periodic test for the emergency battery back up of illumination of exit sign was found as demanded in section 10.12.1.4 of Alliance Standard.	
Source of Findings:	Document Review: No document regarding testing of emergency power for exit signs was found among the documents shown by the factory personnel.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these 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:	05 Jul 2014	
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.	
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:	Floor level mentioned in each floor entry, but stair name not mentioned.	
Source of Findings:	Photograph: Stair name not mentioned.	
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in both English and Bengali.	
Suggested Deadline Date:	05 Jul 2014	




Standard:	Alliance Standard Part 6 Section 6.9 Stairs	
Fire Safety Programs		
Question:	An emergency evacuation plan has been developed and communicated to all employees.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No record of developing and communicating any emergency evacuation plan has been found.	
Source of Findings:	Document Review: No procedure defining evacuation process was available.	
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. The evacuation plan shall include provisions to assist physically disabled persons. A list of all employees with physical disabilities shall be kept by the Fire Service Director.	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Fire Drills are conducted at required intervals based on building use type.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Fire drills are conducted monthly in all buildings but not under the direction of a Fire Safety Director.	
Source of Findings:	Photograph: Fire drills record are available but not under the direction of a Fire Safety Director.	
Suggested Plan of Action:	Fire drills shall be conducted under the direction of a Fire Safety Director. All other requirements for fire drills shall be conducted in accordance with BNBC Part 4 Appendix A.	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standards Part 13 Section 13.3 Fire Drills	
Question:	Storage areas underneath the cutting tables are clear of combustibles.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Storage found under cutting table at ground floor of main factory building.	



Source of Findings:	Photograph: Storage under cutting table at 1st floor.
Suggested Plan of Action:	Remove all combustibles stored underneath the cutting tables at the noted locations.
Suggested Deadline Date:	05 Jul 2014
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.
Question:	Chemicals and other flammable materials are stored within approved enclosures.
Priority Level:	Medium
Non-Compliance Level:	1
Description:	400 liter diesel (Class B type flammable materials) stored in two drum at diesel store shed without approved enclosures.
Source of Findings:	Photograph: Flammable materials are not stored within approved enclosures.
Suggested Plan of Action:	Store chemicals and all flammable materials in approved enclosure in a safe manner.
Suggested Deadline Date:	21 Jun 2014
Standard:	
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.
Priority Level:	Medium
Non-Compliance Level:	
Description:	Safety training curriculum was found among the documents shown by factory personnel.
Source of Findings:	Photograph: Training and safety awareness program.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standards Part 13
Question:	A Fire Safety Director position has been filled.
Priority Level:	Low
Non-Compliance Level:	2





Description:	No viable documentation or physical presence of Fire Safety Director was noted. Factory has indicated that they have a designated person for this role, but no record found.	
Source of Findings:	Document Review: No record of filling the position of fire safety director has been found.	
Suggested Plan of Action:	Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties.	
Suggested Deadline Date:	22 Nov 2014	
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:	2	
Description:	Fire department pre-planning was not found.	
Source of Findings:	Document Review: No document regarding fire department pre-planning has been found among the documents shown by factory personnel.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defence.	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Are all applicable permits up to date including Fire License & Boiler License.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	BERC license, Electrician license not available. Boiler license expired on 27.3.2014. Fire license, Factory and trade license are up to date.	
Source of Findings:	Photograph: Boiler License expired.	
Suggested Plan of Action:	Get all the licenses and permits from the proper issuing authority and update from the proper issuing authority.	
Suggested Deadline Date:	05 Jul 2014	
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:	Written housekeeping policy was not found, which is required as per Alliance Standards Part 13 Section 13.6.
Source of Findings:	Document Review: No document regarding housekeeping policy has been found among the documents shown by factory personnel.
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:	14 Feb 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:	Hot work permit program is not established yet. It is required as per Alliance Standards Part 13 Section 13.4. However, hot-work is not going on in the factory right now.
Source of Findings:	Document Review: No hot work permit could be presented by the factory personnel.
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B.
Suggested Deadline Date:	22 Nov 2014
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B