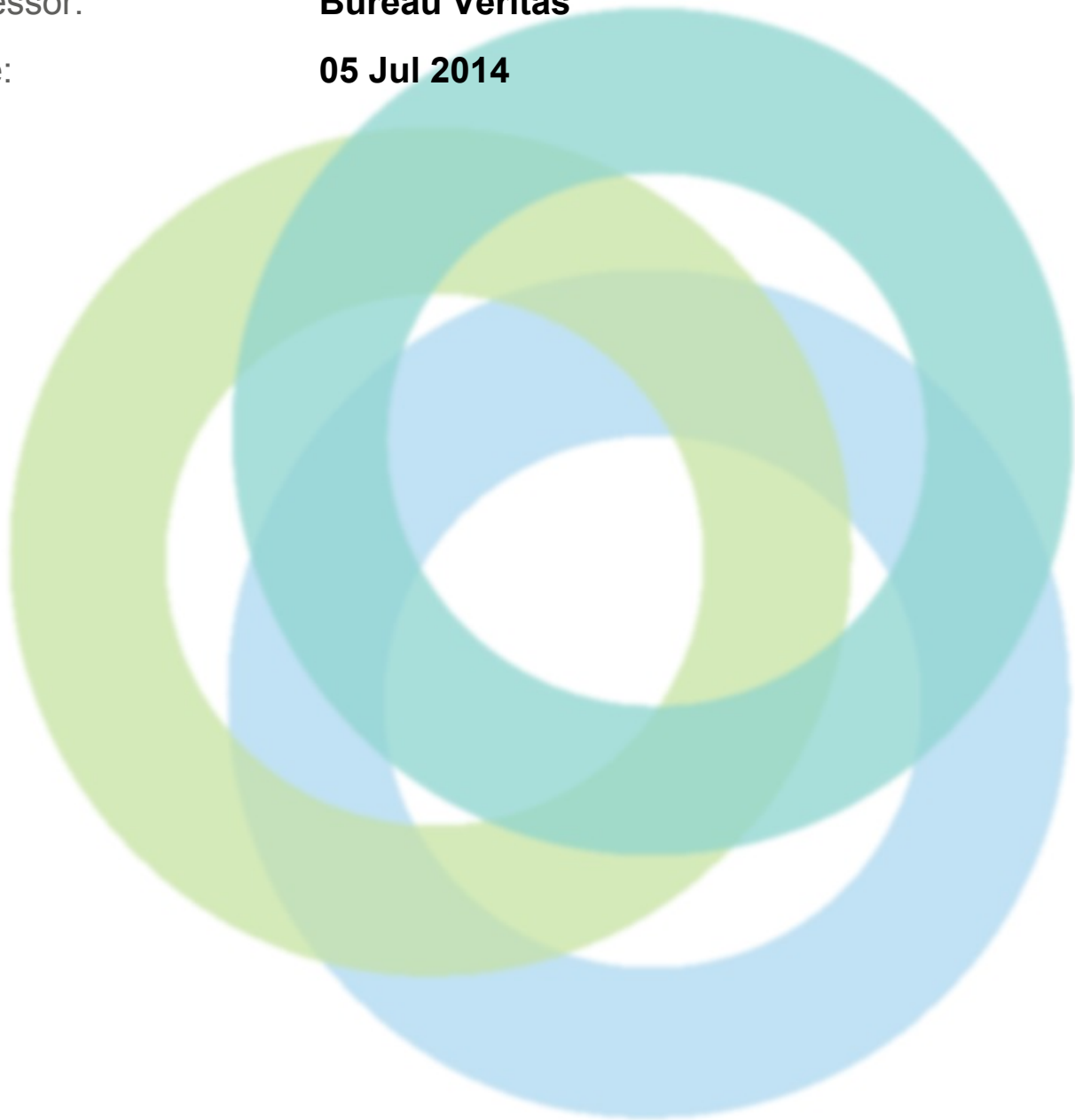


INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Cortz Apparels Ltd. Unit 2**
Address: **Nawjor, Kadda Bazar, Gazipur. Gazipur Dhaka
Bangladesh**
Assessor: **Bureau Veritas**
Date: **05 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:	Cortz Apparels Ltd. Unit 2
Address:	Nawjor, Kadda Bazar, Gazipur. Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Gazipur
Zip Code:	
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	07-06-2014
Final Report Date:	07-10-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 5 buildings in the factory premises out of which one is main production building and four are ancillary buildings. The buildings are named as: 1) Six story RCC main production building (Factory Building), 2) Single story RCC utility building, 3) Single story RCC fire pump building, 4) Single story staff canteen shed, 5) Single story RCC security building.
Is the building(s) owned or rented by the Factory:	Rented
Number of Building Levels (Stories):	1) Six story RCC main production building (Factory Building): Building height (Highest occupied floor level): 15.85 m or 52 ft [Height up to roof: 18.89 m or 62 ft], Stories above grade: 6, Stories below grade: 0, Occupied levels: 6, 2) Single story RCC utility building: Building height (Highest occupied floor level): 20 cm or 8 inch above grade [Height up to roof: 4.77 m or 15.67 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, 3) Single story RCC fire pumps building: Building height (Highest occupied floor level): 45 cm or 1.5 ft above grade [Height up to roof: 3.5 m or 11.5 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, 4) Single story staff canteen shed: Building height (Highest occupied floor level): 30 cm or 1 ft above grade [Height up to roof: 3.05 m or 10 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, and see the description.
Approximate Building Area (SF):	Total area of all buildings in the factory premises: 85932 sft. Building wise breakdown as follows: 1) Six story RCC main production building (Factory Building): 83952 sft (Ground floor: 13992 sft, 1st floor: 13992 sft, 2nd floor: 13992 sft, 3rd floor: 13992 sft, 4th floor: 13992 sft, 5th floor: 13992 sft), 2) Single story RCC utility building: 996 sft, 3) Single story RCC fire pumps building: 162 sft, 4) Single story staff canteen shed: 612 sft, 5) Single story RCC security building: 210 sft.



Date of Building Construction:	Factory personnel informed the date of construction as follows: 1) Six story RCC main production building (Factory Building): Finished in 2008, 2) Single story RCC utility building: Finished in 2008, 3) Single story RCC fire pumps building: Finished in 2013, 4) Single story staff canteen shed: Finished in 2008, 5) Single story RCC security building: Finished in 2008.
Date of Last Building Renovation/Addition:	Factory personnel informed the date of last building renovation as follows: 1) Single story RCC utility building: Construction of fire separation between generator, compressor & substation and installation of fire doors are going on.
Ancillary Structures in Complex:	1) Single story RCC utility building, 2) Single story RCC fire pump building, 3) Single story staff canteen shed, 4) Single story RCC security building.
Approximate Ancillary Structures Area (SF):	1) Single story RCC utility building: 996 sft, 2) Single story RCC fire pumps building: 162 sft, 3) Single story staff canteen shed: 612 sft, 4) Single story RCC security building: 210 sft.
Number of Occupants:	Total number of occupants: 1181. 1) Six story RCC main production building (Factory Building): 1178 (Ground floor: 20, 1st floor: 150, 2nd floor: 252, 3rd floor: 250, 4th floor: 242, 5th floor: 264), 2) Single story RCC utility building: 1, 3) Single story RCC fire pumps building: 0, 4) Single story staff canteen shed: 1, 5) Single story RCC security building: 1.
Number of Ancillary Levels (Stories):	1) Single story RCC utility building: Building height (Highest occupied floor level): 20 cm or 8 inch above grade [Height up to roof: 4.77 m or 15.67 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, 2) Single story RCC fire pumps building: Building height (Highest occupied floor level): 45 cm or 1.5 ft above grade [Height up to roof: 3.5 m or 11.5 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, 3) Single story staff canteen shed: Building height (Highest occupied floor level): 30 cm or 1 ft above grade [Height up to roof: 3.05 m or 10 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, 4) Single story RCC security building: Building height (Highest occupied floor level): 30 cm or 1 ft above grade [Height up to roof: 3.05 m or 10 ft], Stories above grade: 1, Stories below grade: 0, Occupied levels: 1.
Occupancy Type:	1) Six story RCC main production building (Factory Building): [Ground floor: K1 (Boiler room), H2 (Finished goods store, waste fabric store), D1 (Medical), B2 (Child care), E3 (Workers dining), E4 (Prayer room, Training room), H1 (Idle machine room), 1st floor: G2 (Cutting), H2 (Fabric store), 2nd floor: G2 (Sewing, finishing, spot removing room), H2 (Accessories store), 3rd floor: G2 (Sewing, finishing, spot removing room), H2 (Accessories store), K1 (Maintenance room), 4th floor: G2 (Sewing, finishing), H2 (Accessories store), F1 (Office), 5th floor: G2 (Sewing, cutting, finishing), H2 (Fabric store)], 2) Single story RCC utility building: K1 (Generator, compressor and substation), 3) Single story RCC fire pumps building: K (Fire pump, fire pump generator), 4) Single story staff canteen shed: J1 (Kitchen), E4 (Dining), A3 (Rest Room), 5) Single story RCC security building: F1 (Security office).
Construction Type:	1) Six story RCC main production building (Factory Building): Type-1, 2) Single story RCC utility building: Type-1, 3) Single story RCC fire pumps building: Type-1, 4) Single story staff canteen shed: Non-rated, 5) Single story RCC security building: Type-1.
Height of Highest Occupied Floor Level Above Grade:	1) Six story RCC main production building (Factory Building): 15.85 m or 52 ft, 2) Single story RCC utility building: 20 cm or 8 inch above grade, 3) Single story RCC fire pumps building: 45 cm or 1.5 ft above grade, 4) Single story staff canteen shed: 30 cm or 1 ft above grade, 5) Single story RCC security building: 30 cm or 1 ft above 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:	Some of the major findings are as follows: 1) The fabric store on 1st floor has non-rated opening (door) with cutting section. 2) On ground floor, the boiler room has non-certified fire rated door with exit corridor near N-E stair; 3) Daycare on ground floor has non-rated door with corridor; 4) Dining also has non-rated high window type opening with corridor. 5) In single story staff canteen shed, kitchen has non-rated door adjacent to the exit discharge (not compliant according to Table:3.2.2 BNBC page 10355) and non rated door of canteen. Additional non-rated openings are also found in other areas of the factory premises.
Source of Findings:	Visual Assessment: Numerous non-rated openings were found.
Suggested Plan of Action:	Provide fire resistive rated opening protectives at all doors and other openings on all the fire rated walls throughout the entire premises. Close openings that are not required. Consult a qualified fire protection engineer to design the rated construction barriers.
Suggested Deadline Date:	28 Oct 2014
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations
Question:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	There are 3 exit stairs in the main production building and all the stairs have non-rated exit doors at each floor level. Stair 3 (N-E) has fire doors without authentic certificate. However, fire door installation is ongoing.
Source of Findings:	Visual Assessment: Non-rated openings found in exit enclosure.
Suggested Plan of Action:	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm.





Suggested Deadline Date:	28 Oct 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	
Question:	Are separations between hazards provided with fire-resistive rated construction barriers.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Some of the major findings were as follows: 1) There are accessory stores on the 2nd, 3rd and 4th floors which have non-rated separations with the production area. 2) On the 5th floor, fabric relaxation store also has non-rated separation with production floor. 3) Spot removing room on the 3rd and 4th floors also require separation. 4) On ground floor, idle machine store has non-rated separation with dining. Other non-rated separations were found in other areas of the building. In-process goods are kept haphazardly in various floors that do not meet the requirement for miscellaneous storage (area 250 sft, height 8 ft, separation from adjacent area 10 ft) as per clause 3.4.2.1.6.	
Source of Findings:	Visual Assessment: During site tour above non rated separation observed.	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between hazard types following Table 4.4.1 of Alliance Standard or Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the required rated construction barrier.	
Suggested Deadline Date:	19 Jan 2015	
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:	2	
Description:	No occupancy certificate is available for any building in the factory premises.	
Source of Findings:	Document Review: No occupancy certificates for any buildings were available.	
Suggested Plan of Action:	Apply to PWD for issuance of occupancy certificates and pursue the matter to expedite.	
Suggested Deadline Date:	17 Nov 2014	
Standard:	Are certificates of occupancy provided for each building or 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 building is 15.85 m (52.00 ft) above grade and greater than minimum height required for standpipe system installation (10 m or 32.8 ft) without an automatic sprinkler system provided throughout the building. Therefore, a class III standpipe system needs to be installed throughout the building. However, a class II stand pipe system, without any hydraulic design, is installed in the main production building with 40mm hose connections at stairwell and 25mm hose connections on the production floor.
Source of Findings:	Visual Assessment: During site tour, only class-II standpipe system was noticed in the building.
Suggested Plan of Action:	Install a standpipe system at required locations designed by a qualified fire protection engineer. The system is to be compliant with the requirements of NFPA 14. The hydraulic calculations should be reviewed by the Alliance prior to start of work.
Suggested Deadline Date:	28 Oct 2014
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2
Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.
Priority Level:	High
Non-Compliance Level:	3
Description:	An automatic fire alarm and smoke/heat detection system with control panel is not available. Only stand alone detectors are available.
Source of Findings:	Visual Assessment: An automatic alarm and detection system was found in the factory premise.
Suggested Plan of Action:	Install an automatic fire alarm and detection system for the facility. System shall comply with the Alliance Standard and NFPA 72. Consult with a qualified fire protection engineer or authorized fire alarm company to design and install the system.
Suggested Deadline Date:	10 Nov 2014
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?



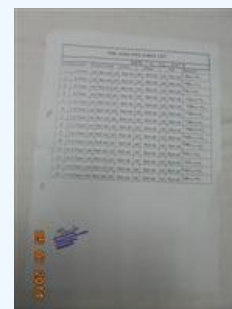


Priority Level:	High
Non-Compliance Level:	3
Description:	Automatic fire alarm and detection system with control panel is not available.
Source of Findings:	Visual Assessment: Automatic fire alarm and detection system with control panel is not found.
Suggested Plan of Action:	Install initiating devices 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 an automatic fire alarm and detection system for the facility. All fire alarm installations shall be submitted for review by the Alliance prior to commencement of installation.
Suggested Deadline Date:	28 Oct 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:	Does the building have a fire pump?
Priority Level:	High
Non-Compliance Level:	2
Description:	A dedicated fire pump set is available with backup power, though it does not comply with the requirements of Alliance Standards and NFPA 20. Hydraulic calculation for required standpipe is not also available. Therefore, required capacity of fire pump is unknown. A suction lift is used whereas a suction head is required as per NFPA 20. Additionally, a detailed design of pump components and layout as per NFPA 20 were not found during the audit.
Source of Findings:	Document Review: During document review hydraulic calculation for required standpipe system not found.
Suggested Plan of Action:	Have a qualified fire protection engineer to review the pump capacity and ensure hydraulic calculation is done that can be supported by this pump. Also, identify all other performance data and ensure conformity to NFPA 14, 20, 22 and 25 standards.
Suggested Deadline Date:	05 Nov 2014
Standard:	Alliance Standard Part 5 Fire Protection Systems
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?
Priority Level:	Medium
Non-Compliance Level:	3





Description:	A centralized alarm and detection system is not available, but the installation process is underway.
Source of Findings:	Visual Assessment: Fire alarm and detection system is not monitored centrally.
Suggested Plan of Action:	Provide an automatic fire alarm and detection system per NFPA 72 and arrange for direct connection of the system to a central station monitoring service or the Fire Service and Civil Defense. Until that time that a central station monitoring service or direct connection to the Fire Service and Civil Defense can be set up, 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:	10 Nov 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:	A NFPA compliant standpipe system is not installed in the building. Inspection, maintenance, and testing procedures of the installed class II standpipe and hose is documented but not as per NFPA 25.
Source of Findings:	Document Review: Inspection, maintenance and testing procedure of installed stand pipe system was found but not as per NFPA.
Suggested Plan of Action:	Install class III standpipe system compliant with the requirements of NFPA 14. Then establish an inspection, maintenance, and testing program for the standpipe and hose system. Program must comply with the requirements of NFPA 25 Chapter 6 Table 6.1.1.2.
Suggested Deadline Date:	20 Jan 2015
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2
Question:	Is signage for the standpipe system installed at required locations and on required components?
Priority Level:	Low
Non-Compliance Level:	2
Description:	NFPA compliant standpipe system was not installed in the building. Signage for the installed standpipe system was not available.
Source of Findings:	Visual Assessment: During site tour no signage for installed standpipe system





	was found.
Suggested Plan of Action:	Install a standpipe system compliant with the requirements of NFPA 14. Install required identification signs at the noted locations. Signage must comply with NFPA 14 Chapter 6.
Suggested Deadline Date:	17 Nov 2014
Standard:	Reference NFPA 14 Chapter 6
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?
Priority Level:	Low
Non-Compliance Level:	2
Description:	Installed fire pump does not comply with NFPA 20. The existing inspection, maintenance, and testing procedures of the installed fire pump is documented but is not compliant to NFPA 25.
Source of Findings:	Visual Assessment: Relevant documents are not compliant with NFPA 25.
Suggested Plan of Action:	Install a pump dedicated for fire fighting or fire protection following the requirements of NFPA 20. Then continue the inspection, maintenance, and testing program for the fire pump. Program must comply with NFPA 25.
Suggested Deadline Date:	19 Jan 2015
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps



Means of Egress

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:	Exit access corridors on the ground floor have non-rated separations with dining, doctor's room, daycare and training rooms serving more than 30 occupants because during lunch period and training session more than 30 occupants are available on ground floor in building.
Source of Findings:	Visual Assessment: During audit non-rated separation found in exit access corridor serving an occupant load exceeding 30 of production floor and dining.
Suggested Plan of Action:	Provide fire-resistive rated assemblies at the required exit access corridors. The rated assembly should be approved and designed by a qualified fire protection engineer. Exit access corridors serving an occupant load exceeding 30 are to be separated by walls having a fire resistance rating of 1 hr in accordance with 4.5 unless provided with automatic sprinkler protection throughout the story or building. Window and Glass Block Assemblies are to





	be tested fire rating following NFPA 257.
Suggested Deadline Date:	28 Oct 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:	Doors are not locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices have been removed where required.
Priority Level:	High
Non-Compliance Level:	3
Description:	Doors were not locked during audit but there are collapsible doors and steel sliding doors with locking arrangement at each egress locations.
Source of Findings:	Visual Assessment: Locking devices were found on exit doors.
Suggested Plan of Action:	Remove all hasps, locks, slide bolts, or other locking devices from all egress doors.
Suggested Deadline Date:	19 Jan 2015
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates
Question:	Doors along the path of egress have a minimum width of 0.8 m (32 in) and have required ratings.
Priority Level:	High
Non-Compliance Level:	3
Description:	Door widths are more than 0.8m, but doors along the path of egress (i.e. doors leading to staircase) do not have required rating of 1.5 hours.
Source of Findings:	Visual Assessment: No fire door was found at egress points.
Suggested Plan of Action:	Replace all non-compliant doors with required fire rated doors and ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire in means of egresses with side-hinged swinging type doors of proper width and rating.
Suggested Deadline Date:	28 Oct 2014
Standard:	Alliance Standard Part 6 Section 6.5.6 Minimum Widths. Increased occupant loads will require a door width greater than 0.8 m.





Question:	All doors in a means of egress are of the side-hinged swinging type.
Priority Level:	High
Non-Compliance Level:	3
Description:	There are collapsible, and steel and aluminum sliding doors with locking arrangements at most of the egress locations.
Source of Findings:	Visual Assessment: Collapsible doors and steel and aluminum sliding exit doors were found.
Suggested Plan of Action:	Replace all non-compliant doors by required fire rated doors and ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices in means of egress with side-hinged swinging type doors of proper width and rating.
Suggested Deadline Date:	28 Oct 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:	1) In single story staff canteen shed, kitchen has non-rated door adjacent to the exit discharge (not compliant according to Table:3.2.2 BNBC (page 10355). 2) An exit discharge is serving as the daycare center is exposed to the non-rated opening of the generator room.
Source of Findings:	Visual Assessment: Exits discharge observed during site tour.
Suggested Plan of Action:	1) Remove gas cylinder from the kitchen to keep the exit passageway safe. 2) Provide rated exit passageway of egress from the day care 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:	02 Nov 2014
Standard:	Alliance Standard Part 6 Section 6.17 Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.





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:	1
Description:	All three interior exit stairways in North, North-east and North-west side terminate at exit passageways and these are exposed to the openings of the adjacent dining room, store and other occupancies.
Source of Findings:	Visual Assessment: Exit discharge of the interior stairways observed,
Suggested Plan of Action:	Provide all openings into the exit passageways with fire-resistance rated opening protectives.
Suggested Deadline Date:	04 Nov 2014
Standard:	Alliance Standard Part 6 Section 6.14 Exit Enclosures
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:	3
Description:	Occupant loads are not posted in a conspicuous space near the main exits or exit access doorways as required.
Source of Findings:	Visual Assessment: Occupant loads were not posted.
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:	10 Nov 2014
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load
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:	3
Description:	Illuminated exit signs are placed at entrances to exits, but along the path of egress additional exit signs or directional signs are not provided where there is a change in direction and where the continuation of egress is not obvious. This condition fails to satisfy requirements stated in Alliance Standard Part 6 Section 6.11.
Source of Findings:	Visual Assessment: During site tour, illumination of exit signs was observed.





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:	20 Jan 2015	
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	
Question:	Changes in elevation of walking surfaces do not exceed 6.35 mm (1/4 in) unless provided with a beveled slope of 1 in 2 that does not exceed 12.7 mm (1/2 in).	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	In the N-E exit there is a door seal that projects a height of 3 in.	
Source of Findings:	Visual Assessment: Change in elevation of walking surface exceeding 1/4 inch is found with door seal.	
Suggested Plan of Action:	Repave the surface to make the slope of the surface 1 in 2 or make the change in elevation less than 1/4 inch.	
Suggested Deadline Date:	20 Jan 2015	
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 are provided only on one side of stairs, in violation of Alliance Standards.	
Source of Findings:	Visual Assessment: Handrails on both sides of the stairs were not found.	
Suggested Plan of Action:	Provide handrail on both sides of stairs at a height between the range 865 mm (34 in.) and 965 mm (38 in.).	
Suggested Deadline Date:	20 Jan 2015	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	
Question:	Every door in a stair enclosure serving more than 5 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1.	
Priority Level:	Medium	





Non-Compliance Level:	3
Description:	The main production building has 6 stories, but doors are not provided with re-entry. Stair doors with re-entry are required on at least the top or 5th floor along the means of egress. The buildings other than the main building are only a single story, therefore re-entry is not required for those buildings.
Source of Findings:	Visual Assessment: No re-entry doors were available.
Suggested Plan of Action:	Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets the following requirements. Stair doors may be permitted to be locked from the stair (ingress) side that prevents re-entry to the floor provided at least two floors allowing re-entry to access another exit are provided, there are not more than 4 stories intervening between re-entry floors, re-entry is allowed on the top or next to top level, reentry doors are identified as such on the stair side, and locked doors shall be identified as to the nearest re-entry floors. When the discharge floor is determined to be a required re-entry floor using the above requirements, re-entry does not have to be provided back into the building on this level.
Suggested Deadline Date:	28 Oct 2014
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates

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:	2
Description:	The total number of occupants is 1181, but only 74 people have proper training and certification in fire fighting, first aid, and rescue.
Source of Findings:	Visual Assessment: Only 74 certified employees found.
Suggested Plan of Action:	Train and certify at least 25 percent of workers in fire fighting, first aid and rescue training by the proper authority.
Suggested Deadline Date:	20 Jan 2015
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:	Fabrics were stored underneath the cutting tables of cutting section on 1st floor and 5th floor.





Source of Findings:	Visual Assessment: Storage found underneath the cutting table.	
Suggested Plan of Action:	Remove immediately all combustibles stored underneath the cutting tables at the noted locations.	
Suggested Deadline Date:	10 Nov 2014	
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.	
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	No document of any training program in accordance with the Alliance Safety Training Curriculum found.	
Source of Findings:	Visual Assessment: Alliance safety training curriculum was not found among the documents shown by factory personnel.	
Suggested Plan of Action:	Impart training in accordance with Alliance Safety Training Curriculum and keep records with proper documentation.	
Suggested Deadline Date:	10 Nov 2014	
Standard:	Alliance Standards Part 13	
Question:	Are there additional areas of non-compliance to report?	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Kitchen with gas cylinder was found exposed to the egress path and adjacent occupancy.	
Source of Findings:	Visual Assessment: Kitchen with gas cylinder was found exposed to the egress path and adjacent occupancy.	
Suggested Plan of Action:	Remove gas cylinder from kitchen.	
Suggested Deadline Date:	02 Oct 2014	
Standard:	Not Applicable	





Question:	Emergency egress maps are posted at the entrance to each exit stair or main point of egress.	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Emergency egress maps are posted inside floor beside staircase 1 and 3. Staircase 2 does not have maps.	
Source of Findings:	Visual Assessment: Emergency egress map not found for stair 2 (N-S).	
Suggested Plan of Action:	Post emergency egress maps/fire evacuation maps at the entrance to each exit stair or main point of egress	
Suggested Deadline Date:	10 Nov 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Evacuation Plan	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Fire department pre-planning was not found or is not completed yet.	
Source of Findings:	Visual Assessment: No document regarding fire department pre-planning was found among the documents shown by factory personnel.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense.	
Suggested Deadline Date:	10 Nov 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:	3	
Description:	Trade license, BEREC license, and electrician license are not available. Boiler and fire license are available.	
Source of Findings:	Visual Assessment: Licenses and permits for trade and BEREC not found.	
Suggested Plan of Action:	1) Collect BEREC Certificate from Bangladesh Energy Regulatory Commission. 2) Collect Trade License from Municipal Office. 3) Collect electrician license from Bidyut License Pradan Board.	
Suggested Deadline Date:	10 Nov 2014	

Factory Name: **Cortz Apparels Ltd. Unit 2**

Address: **Nawjor, Kadda Bazar, Gazipur. Gazipur Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **05 Jul 2014**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

Standard:

Alliance Standard Part 13 Human Element Programs