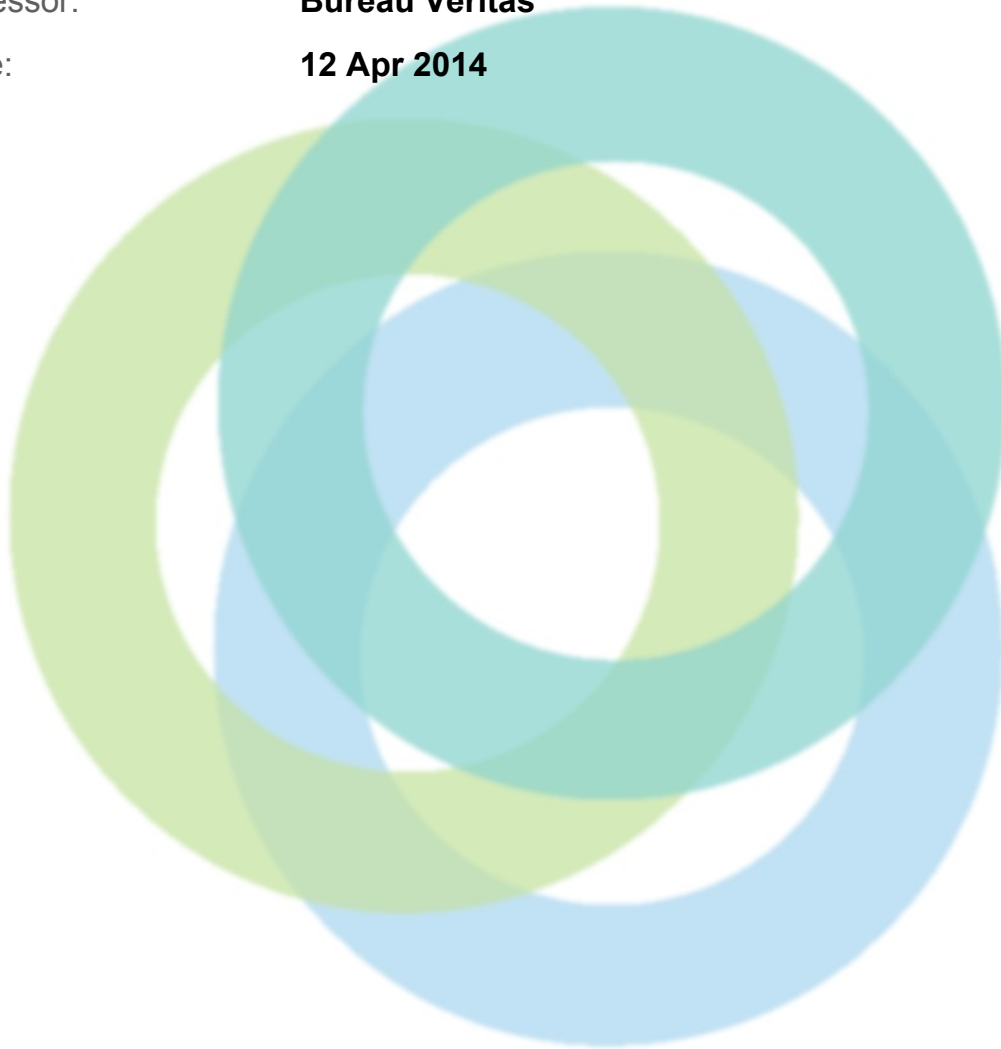




INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **The Finery Ltd**
Address: **2-D, Darus Salam Road, Mirpur, Section-01, Dhaka
Dhaka Dhaka Bangladesh**
Assessor: **Bureau Veritas**
Date: **12 Apr 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:	The Finery Ltd
Address:	2-D, Darus Salam Road, Mirpur, Section-01, Dhaka Dhaka Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Dhaka
Zip Code:	1216
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	May 14, 2014
Final Report Date:	May 25, 2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 5 buildings in the premise. They are: 1. Main production building 2. Under construction building 3. Guard house 4. Large tin shed 5. Small tin shed
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	1. Main building: height: 19.05 m (62.50 ft) approximately. Stories above grade: 7 Stories below grade: 0 Occupied levels:7 2. Under construction building: height: 10.97 m (36 ft) approximately Stories above grade: 3 Stories below grade: 1 Occupied levels:4 3. Guard house : 6.40 m (21 ft) Stories above grade: 2 Stories below grade: 0 Occupied levels:2 4. Large tin shed (Accessories & empty carton store) height: 3.05 m (10 ft) stories above grade: 1 stories below grade: 0 Occupied levels:1 5. Small tin shed (Empty carton store) height: 3.05 m (10 ft) stories above grade: 1 stories below grade: 0 Occupied levels:1
Approximate Building Area (SF):	1. Main building : 54417 sft 2. Under construction building : 8400 sft 3. Guard house: 768 sft 4. Large tin shed : 4000 sft 5. Small tin shed : 1400 sft
Date of Building Construction:	No record available of building construction date.
Date of Last Building Renovation/Addition:	No record available of last building renovation.
Ancillary Structures in Complex:	1. Under construction building - Utility rooms and fabric and other stores. 2. Guard house - Scrap machine parts in ground floor - Guard accommodation in 1st floor 3. Large tin shed - Finished goods and other materials - Garage space 4. Small tin shed - Construction scrap and other waste materials
Approximate Ancillary Structures Area (SF):	1. Under construction building : 54417 sft 2. Guard house : 768 sft 3. Large tin shed : 4000 sft 4. Small tin shed : 1400 sft
Number of Occupants:	Total occupant: 1222 1. Main building: 1199 (ground floor: 5, 1st floor: 52, 2nd floor: 181, 3rd floor: 349, 4th floor: 237, 5th floor: 373, 6th floor: 2) 2. Under construction building: 7 (ground floor: 3, 1st floor: 2, 2nd floor: 2) 3. Guard house: 13 (ground floor: 1, 1st floor: 12) 4. Large tin shed: 2 nos 5. Small tin shed: 1 no.
Number of Ancillary Levels (Stories):	1. Under construction building: Height: 10.97 m (36 ft) Stories above grade: 3 Stories below grade: 1 Occupied levels:4 2. Guard house : Height: 6.40 m (21 ft) Stories above grade: 2 Stories below grade: 0 Occupied levels:2 3. Large tin shed (Accessories & empty carton store) Height: 3.05 m (10 ft) Stories above

Factory Name: **The Finery Ltd**

Address: **2-D, Darus Salam Road, Mirpur, Section-01, Dhaka Dhaka Dhaka Bangladesh**

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ALLIANCE
FOR BANGLADESH WORKER SAFETY

grade: 1 Stories below grade: 0 Occupied levels:1 4. Small tin shed (Empty carton store) Height: 3.05 m (10 ft) Stories above grade: 1 Stories below grade: 0 Occupied levels:1
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ASSESSMENT FINDINGS

Fire Protection Construction	
Question:	Is each floor separated with a fire-resistive rated construction barrier?
Priority Level:	High
Non-Compliance Level:	3
Description:	The thickness of concrete slab is reduced at a portion by approximately 2 inch between basement and ground floor in under construction building. As a result, fire separation is not obtained between these two floors.
Source of Findings:	Photograph: Bottom of roof slab in basement is not fire rated.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between floors in accordance with Alliance standard, Part-4, Section-4.4.1 and BNBC, Part-4, Table-4.1.1. Consult a qualified fire protection engineer to design the rated construction barriers.
Suggested Deadline Date:	12 Aug 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation
Question:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	There are 2 stairs in the main building. None of the stairs are fire proofed. No fire doors are installed at exits of any floor. At 1st floor, the south-west stair passes through an area where other occupancies are open and no fire door is provided. At ground floor level, the enclosure opens into other occupancies without fire doors. There are glass openings on the enclosure as well. There is only one stair in the under construction 3 story building (Needs one more stair). The enclosure is not fire protected as there is no fire door installed.
Source of Findings:	Photograph: Exit enclosure is not fire rated.
Suggested Plan of Action:	All doors on these stairs needs to be 1.5 hour rated. Provide fire-resistive rated construction barriers at exit enclosures in accordance with Alliance Standards Part 4 Section 4.5 : Separation. Consult a qualified fire protection engineer to design the required rated construction barriers.
Suggested Deadline Date:	12 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:	The walls at ground floor level of south-west stairs have high window with glass panel. Similar openings are present in other fire rated walls.
Source of Findings:	Photograph: High window on fire rated wall
Suggested Plan of	Close all windows and other opening similar to this on any fire rated walls





Action:	across the entire premise.	
Suggested Deadline Date:	12 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:	3	
Description:	There are 2 spot removing rooms in 4th floor with glass and aluminum partitions. One uses solvent with compressed air guns and the other uses solvent in aerosol. The 1st room has an air compressor inside. In-process goods are kept haphazardly in various floors not maintaining 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:	Photograph: Photo-1: Spot removing rooms are not fire separated. Photo-2: Goods are kept haphazardly.	
Suggested Plan of Action:	Both the rooms need to be 1 hour fire separated with 45 minute fire resistant doors. Provide fire-resistive rated construction barriers between hazard types in accordance with Alliance Standards, Part-4, Section-4.5: Separation . Consult a qualified fire protection engineer to design the required rated construction barrier. In process goods must be kept in accordance with Alliance Standard,Part-3,Section-3.4.2.1.6.	
Suggested Deadline Date:	12 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: Document review shows that the factory does not have a occupancy certificate from RAJUK for any of its structures.	
Suggested Plan of Action:	Apply to RAJUK for issuance of occupancy certificate and pursue the matter to expedite.	
Suggested Deadline Date:	27 Jun 2014	
Standard:	Are certificates of occupancy provided for each building or ancillary structure?	
Question:	Construction Type	
Priority Level:		
Non-Compliance Level:	2	
Description:	1. Main building: Type 1 up to 5th floor and 6th floor is non-rated 2. Under construction building: Type-1 3. Guard house: Type-1 (GF) and Non-rated(1st floor tin shed) 4. Large tin shed: Non-rated 5. Small tin shed: Non-rated.	
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:	Occupancy Type	
Priority Level:		
Non-Compliance Level:		
Description:	1. Main building: Ground Floor: H2(finished goods store,accessories store) 1st Floor: H2(fabric store,accessories store),F1(Office),G2 (Sample section) 2nd floor: B2(Child care),G2(cutting section, button section),H2(Idle machine room,fabric store) 3rd floor : G2(Sewing section), K(Maintenance room) 4th floor: G2 (Finishing section), 5th floor : G2 (Sewing section,button hole section) 6th floor : E3 (Prayer room,dining hall),H2(process fabric store),A3(security accommodation),K2(Mobile tower) 2.Under construction building: Basement: H2(Fabric store) Ground floor: K(Generator room,Boiler room,oil-filled transformer) 1st floor: H2(Finished goods store) 2nd floor: H2 (Fabric store) 3. Guard house: Ground floor:A3(Security Accommodation) 1st floor : A3(Security Accommodation) 4.Large tin shed: H2(Accessories store,empty carton store) 5.Small tin shed: H2(Empty carton store)	
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:	Height of Highest Occupied Floor Level Above Grade	
Priority Level:		
Non-Compliance Level:		
Description:	1. Main building: Highest occupied floor level 19.05 m (62.50 ft) 2. Under construction building : Highest occupied floor level: 7.92 m (26 ft) 3. Guard house : Highest occupied floor level: 3.35 m (11 ft) 4. Large tin shed: highest occupied floor level: 0 m (0 ft) 5. Small tin shed : Highest occupied floor level : 0 m (0 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:	There is no stand pipe system in the main and ancillary buildings meeting the requirement of NFPA 14, 20, 22 and 25. No Class-I standpipe hose connections (65 mm) are installed at stairwells in each floor level including occupiable roof. 25 mm plastic hoses are connected with Over Head Water Reservoir. At roof hose pressure was negligible. Hose size, pressure and Water capacity are not sufficient.
Source of Findings:	Photograph: Invalid 25 mm plastic hose with insufficient water pressure., Visual Assessment: As per our visual assessment there is no standpipe system installed in the main and ancillary buildings.
Suggested Plan of Action:	Install a standpipe system at required locations designed by a qualified fire protection engineer. The system should be compliant with the requirements of NFPA 14. The hydraulic calculations should be reviewed by Alliance and review to be completed prior to start of work.
Suggested Deadline Date:	12 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:	No fire pump available in the factory and a fire pump must be installed according to NFPA 20.
Source of Findings:	Visual Assessment: There is no dedicated fire pump available in the factory.
Suggested Plan of Action:	All new installations and design requirements outlined in BNBC Part 4 Chapter 4 for water supplies shall be replaced by the requirements of NFPA 20 (fire pumps), NFPA 22 (water tanks), and NFPA 24 (underground water mains). The Owner shall contact the Alliance prior to conducting the final acceptance testing of the fire pump installation to allow the Alliance to witness this test. A final inspection of the installation shall be conducted by the Alliance prior to final acceptance of the installation by the Alliance.
Suggested Deadline Date:	12 Jun 2014
Standard:	Alliance Standard Part 5 Fire Protection Systems
Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.
Priority Level:	High
Non-Compliance Level:	3
Description:	Central automatic fire detection system was not available in the factory premises. Only stand alone detectors were available.
Source of Findings:	Photograph: Evidence of use of stand alone detectors., Visual Assessment: No fire alarm control panel available in the factory.
Suggested Plan of Action:	Install an automatic fire detection system in accordance with Alliance Standards, Part-5, Section-5.7.



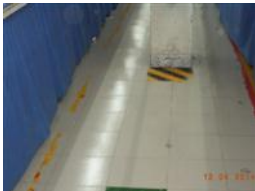



Suggested Deadline Date:	12 Jun 2014	
Standard:	Alliance Standard Part 13 Section 13.10 Maintenance of Fire Protection Equipment	
Question:	Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Notification and initiation devices for the fire alarm system are not installed at required locations based on occupancy type.	
Source of Findings:	Photograph: No pull station available at egress point.	
Suggested Plan of Action:	Pull stations at egress points, smoke detectors in air handling equipment, visual and audible devices must be spaced appropriately based on occupancy type in accordance with NFPA 72.	
Suggested Deadline Date:	12 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:	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:	Fire alarm and detector control panel is not available at the premises.	
Source of Findings:	Visual Assessment: There were no fire alarm and detector control panels in the factory premises.	
Suggested Plan of Action:	Alliance Standard Part 5 Section 5.7.5: Monitoring must be followed.	
Suggested Deadline Date:	12 Jun 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
Question:	Standpipe system piping is free of mechanical damage, leakage, and corrosion?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No proper standpipe system found in the buildings.	
Source of Findings:	Visual Assessment: No proper standpipe system found in the buildings.	
Suggested Plan of Action:	Repair or replace damaged piping at the noted locations. Repairs and replacements must comply with NFPA 14 and NFPA 25.	
Suggested Deadline Date:	12 Nov 2014	
Standard:	NFPA 25 Chapter 6 Standpipe and Hose Systems	






Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?
Priority Level:	Medium
Non-Compliance Level:	2
Description:	No fire department connections provided in the factory building.
Source of Findings:	Visual Assessment: There was no fire department connections available in the buildings.
Suggested Plan of Action:	According to Alliance Standard,Part-5,Section-5.5.4, fire department (Siamese) inlet connections shall be provided to allow fire department pumper equipment to supplement the fire protection systems. Fire department outlet connections shall be provided to allow fire department pumper vehicles to draw water from ground-level or underground water storage tanks. Connections shall match the Fire Service and Civil Defence hose thread standard.
Suggested Deadline Date:	12 Nov 2014
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections
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:	3
Description:	There is no test and maintenance plan and record for testing and maintaining of stand pipe system as per requirement of NFPA 25.
Source of Findings:	Document Review: Document review shows that there is no test and maintenance plan and record for testing and maintaining of stand pipe system are available.
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the standpipe and hose system. Program must comply with the requirements of NFPA 25.
Suggested Deadline Date:	12 Nov 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:	No standpipe system installed in the buildings and signage on required components for standpipe system.
Source of Findings:	Visual Assessment: As per visual assessment there was no signage for the standpipe system installed at required locations and on required components.
Suggested Plan of Action:	Install required identification signs at the noted locations. Signage must comply with NFPA 14.
Suggested Deadline Date:	27 Jun 2014
Standard:	Reference NFPA 14 Chapter 6



Means of Egress		
Question:	Occupant loads on each level (floor) do not exceed the capacity of the available means of egress.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	In the 5th floor, there were 373 workers working at the time of audit. The area per person computed is 22 sft which is less than that required as per Alliance standard. Available total width of stairs is less than the required width of 2.984 m (373 X 0.008 = 2.984 m) in this floor.	
Source of Findings:	Visual Assessment: Occupant loads in the 5th floor exceeded the capacity of available means of egress.	
Suggested Plan of Action:	Reduce the number of occupants in this floor to available capacity in respect of stair width and space per person. Or, provide additional stair to meet the requirement of total stair width. Otherwise, provide sprinkler system in the building so that required stair width per person becomes 5 mm.	
Suggested Deadline Date:	26 May 2014	
Standard:	Alliance Standard Part 6 Section 6.4 Occupant Load	
Question:	Aisles are provided with the minimum unobstructed clear width of 0.9 m (36 in) based on occupant loads.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Some aisle widths at 3rd, 4th & 5th floor of main building were found less than 0.9 m.	
Source of Findings:	Photograph: Aisles width found obstructed.	
Suggested Plan of Action:	Aisles must be always free and as per Alliance Standard Part-6, Section-6.5.1 aisles shall be provided with a minimum unobstructed clear-width of 0.9 m(36 inch).	
Suggested Deadline Date:	12 Aug 2014	
Standard:	Higher occupancy loads will require a greater width to accommodate the increased load. Alliance Standard Part 6 Section 6.5 Egress Width	
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:	At ground floor level, there are 3 exits, 1 leading directly to street. The other two exits pass through the south east and south west stair enclosures. None of these are fitted with fire doors.	
Source of Findings:	Photograph: Photo-1: Exit passes through south east stair enclosure. Photo-2: Exit passes through south west stair enclosure.	
Suggested Plan of Action:	Follow Alliance Standard Part 6 Section 6.17: Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.	





Suggested Deadline Date:	12 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.17 Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.	
Question:	The number of means of egress from any floor or story is not less than 2 except where a single exit is permitted or where a greater number is required.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	For under construction building, alternate emergency stair is not available.	
Source of Findings:	Photograph: Another means of egress is required at under construction building.	
Suggested Plan of Action:	Create another means of egress in accordance with Alliance Standard, Part-6, Section-6.6.1 and 6.6.2.	
Suggested Deadline Date:	12 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.6 Number of 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 are collapsible doors and steel leaf doors with locking arrangement at each egress location.	
Source of Findings:	Photograph: Collapsible gates with hasp and lock.	
Suggested Plan of Action:	Provide 1 hr fire protective opening assemblies in 1 hr rated exit enclosure. Provide 1.5 hr fire protective opening assemblies in 2 hr rated exit enclosure. Exits connecting three or fewer stories shall be enclosed with a minimum 1-hr fire-resistance rating. Exits connecting four or more stories shall be enclosed with a minimum 2-hr fire-resistance rating. Exits shall be enclosed with the same fire-resistance rating as the floor penetrated but will not need to exceed 2 hr. Increase door width to 0.8m or greater by demolishing wall adjacent to the door. If this door is not required to satisfy the requirement of total exit width (based on occupant load) and maximum travel distance, eliminate this door.	
Suggested Deadline Date:	27 May 2014	
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) in buildings are not fire doors.	
Source of Findings:	Photograph: Doors along the path of egress are not fire rated.	
Suggested Plan of Action:	Provide 1 hr fire protective opening assemblies in 1 hr rated exit enclosure. Provide 1.5 hr fire protective opening assemblies in 2 hr rated exit enclosure.	






	Exits connecting three or fewer stories shall be enclosed with a minimum 1-hr fire-resistance rating. Exits connecting four or more stories shall be enclosed with a minimum 2-hr fire-resistance rating. Exits shall be enclosed with the same fire-resistance rating as the floor penetrated but will not need to exceed 2 hr.	
Suggested Deadline Date:	12 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:	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 doors, steel leaf doors & wooden swinging doors(MD & chairman room to main exit) with locking arrangement at each egress location.	
Source of Findings:	Photograph: No side hinged swinging type door available.	
Suggested Plan of Action:	Replace all collapsible, sliding, roll-down gates and shutters in means of egress with side-hinged swinging type doors of proper width and rating in accordance with Alliance Standard, Part-6, Section-6.8.1.	
Suggested Deadline Date:	12 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Stairs have a minimum width of 0.9 m (35 in.).	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	There is a 2 story guard house with a steel stair. The single steel external stair is not meeting Alliance requirement for width (less than 0.90 m), tread and riser.	
Source of Findings:	Photograph: Invalid external steel stair at guard house.	
Suggested Plan of Action:	Install stair in accordance with Alliance Standard, Part-6, Section-6.5.6.2, 6.9.2.3 and BNBC-Table:4.3.2.	
Suggested Deadline Date:	12 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width. Applies to existing construction.	
Question:	Occupied roofs are provided with the minimum number of exits required as a story.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	In the roof, there is a prayer room. The route to the alternate stairs has a wooden door that swings against the direction of egress and has a hatch bolt.	
Source of Findings:	Photograph: Wooden door with hatch bolt needs to be removed.	
Suggested Plan of Action:	This needs to be removed according to Alliance Standards Part 6 Section 6.6.	




Suggested Deadline Date:	12 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.6 Number of 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:	2	
Description:	At 1st floor of main building exit access corridor is constructed with a glass partition with aluminium side swinging door which is not 1 hour fire rated. Also, collapsible gates are fitted at exit locations.	
Source of Findings:	Photograph: Exit corridor is not fire rated at 1st floor of main building.	
Suggested Plan of Action:	Provide fire-resistive rated assemblies at the required exit access corridors. The rated assembly should be approved and/or designed by a qualified fire protection engineer in accordance with Alliance Standard, Part-6, Section-6.3.1.1.	
Suggested Deadline Date:	12 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.3 and Part 4 Section 4.5. Does not apply if an automatic sprinkler system is installed throughout the building.	
Question:	Interior exit stairways and ramps terminate at an exit discharge except where terminating at a rated exit passageway.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Interior exit stairways and ramps do not terminate at an exit discharge except where terminating at a rated exit passageway.	
Source of Findings:	Photograph: Interior exit stairway terminates through an unrated passageway.	
Suggested Plan of Action:	Interior exit stairways termination must be in accordance with Alliance Standard, Part-6, Section-6.14.2 and 6.15.	
Suggested Deadline Date:	12 Aug 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:	There were no occupant loads posted in any buildings near the main point of egress.	
Source of Findings:	Visual Assessment: No occupant loads are posted in any buildings near the main point of egress.	
Suggested Plan of Action:	Occupant loads must be posted as per Alliance Standards Part 6, Section 6.4.4: Posting of Occupant Load.	
Suggested Deadline Date:	12 Jun 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:	3	
Description:	All paths of egress are not provided with compliant means of illumination. Ordinary CFL bulbs are used as emergency lights, which do not provide sufficient illumination as required in accordance with Alliance Standard Part 10 Section 10.12.2.1.	
Source of Findings:	Photograph: Path of egress is not provided with compliant means of illumination.	
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:	12 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:	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:	None of the stairs have handrails on both sides in each building of factory premises.	
Source of Findings:	Photograph: No handrail available on both sides of stair.	
Suggested Plan of Action:	Install handrails on both sides of the stair in accordance with Alliance Standard, Part-6, Section-6.9.2.4, 6.12.1.1 and 6.12.1.2.	
Suggested Deadline Date:	12 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	
Question:	All occupied roofs are provided with parapets or guards with a minimum height of 1067 mm (42 in.).	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	At under construction building there is no parapet wall. All occupiable roofs shall be provided with parapets or guards with a minimum height of 1067 mm(42 in.).	
Source of Findings:	Photograph: No parapet wall available at under construction building.	
Suggested Plan of Action:	Construct parapet wall as per Alliance Standard, Part-6, Section-6.12.2.4.	
Suggested Deadline Date:	12 Nov 2014	
Standard:	Alliance Standard Part 6 Section 12 Handrails and Guards	



Question:	Means of egress have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6 ft 8 in.).	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	At ground floor of the main building means of egress have a ceiling height of 1.96 m (6 ft 5 in.) which is less than minimum ceiling height of 2.03 m (6 ft 8 in.)	
Source of Findings:	Visual Assessment: Ceiling height with projection found 1.96 m which is less than 2.03 m	
Suggested Plan of Action:	As per Alliance Standard Part 6 Section 6.3.3 : Headroom, clear ceiling height must be obtained.	
Suggested Deadline Date:	12 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.3.3 Headroom	
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:	There were no documents of periodical testing of emergency power for means of egress.	
Source of Findings:	Document Review: No relevant document found.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of all exist signs is verified at least once per year. If battery-operated signs are used, these lights shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year.	
Suggested Deadline Date:	12 Jun 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.	
Source of Findings:	Photograph: Illuminated exit signs are not placed where exit direction changes.	
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:	12 Nov 2014	



Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	
Question:	Emergency power for exit signs is tested at least once per year. If battery operated, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No plan or record of conducting periodic tests for the emergency battery back up of illumination of the exit signs.	
Source of Findings:	Visual Assessment: No relevant document available.	
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 or, since battery back up is used, these lights are required to be tested on a monthly basis.	
Suggested Deadline Date:	12 Jun 2014	
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.	
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:	2	
Description:	There are no re-entry doors at 1st floor and 6th floor when starting at the top level in the main building in accordance with Alliance Standard, Part-6, Section- 6.8.3 and 6.8.3.1(a).	
Source of Findings:	Visual Assessment: No re-entry doors provided in the main building at required locations.	
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:	12 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
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:	2	
Description:	Floor level mentioned but stair designation is not mentioned. Floor level is not	




	mentioned in Bengali as well.
Source of Findings:	Photograph: Improper stair designation signs available all through the buildings.
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in accordance with Alliance Standard, Part-6, Section-6.9.3.1.
Suggested Deadline Date:	12 Jun 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs



Fire Safety Programs

Question:	Are there additional areas of non-compliance to report?	 
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Non-Compliance-1: Child care located on 2nd floor of the main building. There is no fire separation with other occupancies and no direct access to an exit enclosure is provided. Non-Compliance-2: In many places of all buildings, combustible materials (fabric, cartons, etc.) are kept below or very near to electrical connections.	
Source of Findings:	Photograph: Photo-1:Unprotected child care on 2nd floor of the main building. Photo-2: Combustible materials stored very close to electrical connections.	
Suggested Plan of Action:	Non-Compliance-1: According to Alliance Standard, Part-3,Section 3.4.2.1.1,daycare occupancies which are accessory to other occupancies shall be located on the ground floor with a maximum travel distance of 9 m (30 ft). If located on a higher floor, direct access to an exit enclosure shall be provided. Non-Compliance-2: Remove combustible materials from surroundings of electrical connections asap to avoid fire incidents.	
Suggested Deadline Date:	25 Aug 2014	
Standard:	Not Applicable	
Question:	An emergency evacuation plan has been developed and communicated to all employees.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Through the interview, it was noted that the workers are aware of the evacuation procedure upon commencing of the alarm. However, no procedure defining evacuation process was available.	
Source of Findings:	Document Review: A developed evacuation plan was unavailable.	
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 in accordance with Alliance Standard, Part-13, Section-13.3.	
Suggested Deadline Date:	12 Jun 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	



Question:	Chemicals and other flammable materials are stored within approved enclosures.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	There are 2 spot removing rooms in 4th floor of main building with glass and aluminum partitions. One uses solvent with compressed air guns and the other uses solvent in aerosol. The 1st room has an air compressor inside. Both the rooms do not have fire separation walls and fire doors.	
Source of Findings:	Photograph: Spot removing room in the 4th floor of main building.	
Suggested Plan of Action:	Install 1 hour fire separation walls with 45 minutes fire rated doors for spot removing rooms in the 4th floor of the main building.	
Suggested Deadline Date:	27 May 2014	
Standard:		
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No record of training program was available in accordance with the Alliance Safety Training Curriculum on fire safety.	
Source of Findings:	Document Review: No record of training program was available on fire safety.	
Suggested Plan of Action:	Implement training program with proper documentation in accordance with the Alliance Safety Training Curriculum on fire safety.	
Suggested Deadline Date:	12 Jun 2014	
Standard:	Alliance Standards Part 13	
Question:	A Fire Safety Director position has been filled.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	No viable documentation or physical presence of Fire Safety Director was noted. However factory has claimed that they have a designated person for this.	
Source of Findings:	Document Review: No documentation related to fire safety director position was found.	
Suggested Plan of Action:	According to Alliance Standard,Part-13, Section-13.1 and 13.1.1, 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:	12 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 has not been completed yet.	
Source of Findings:	Document Review: No fire department pre-planning documentation was found.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defence in accordance with Alliance Standard, Part-13, Section-13.1.1(2).	
Suggested Deadline Date:	12 Jun 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Hot work was going on inside of large tin shed. There were no permit to work and hot-work checklist available for this program.	
Source of Findings:	Document Review: No up to date documentation on hot-work permit was found., Photograph: Unauthorized hot work activities in the factory premises.	
Suggested Plan of Action:	According to Alliance Standard,Part-9,Section-9.1.7,develop a hot work permit program. The program must comply with the requirements of NFPA 51B. In general, this program should address process of request and approval authorities, necessary checks prior approval, standby fire watch and fire fighting equipment, sounding of alarm procedure, duration and expiry of permit and re-approval procedure etc.	
Suggested Deadline Date:	12 Nov 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Are all applicable permits up to date including Fire License & Boiler License.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	BERC waiver certificate is not available & 6th floor of tin shed roof is not approved by proper authority.	
Source of Findings:	Photograph: Unapproved 6th floor tin shed structure of main building.	
Suggested Plan of Action:	Apply to BERC for waiver certificate and to RAJUK for approval of roof top tin shed of main building.	
Suggested Deadline Date:	12 Jun 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:	A written housekeeping policy is not established and enforced yet.	
Source of Findings:	Document Review: No documentation on written housekeeping policy was	

Factory Name: **The Finery Ltd**

Address: **2-D, Darus Salam Road, Mirpur, Section-01, Dhaka Dhaka Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **12 Apr 2014**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

	found.	
Suggested Plan of Action:	According to Alliance Standard,Part-13,Section-13.6, establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	
Suggested Deadline Date:	12 Jan 2015	
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping	