

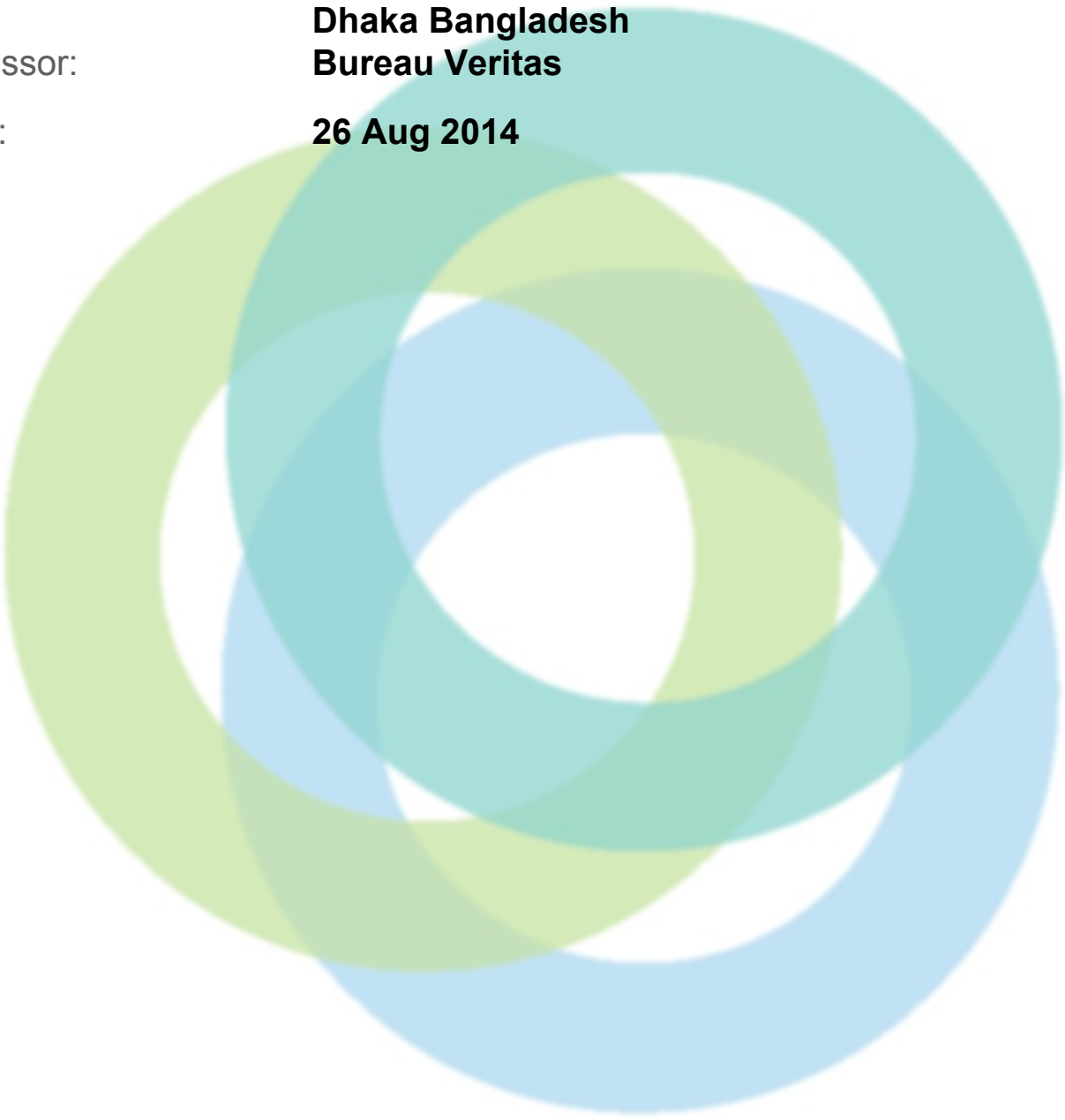
INITIAL STRUCTURAL INTEGRITY ASSESSMENT REPORT (SIAR)

Factory Name: **Z-3 COMPOSITE KNITWEAR LTD.**

Address: **62, Kathgara, Zirabo, Ashulia, Savar. Ashulia, Savar
Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **26 Aug 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:	Z-3 COMPOSITE KNITWEAR LTD.
Address:	62, Kathgara, Zirabo, Ashulia, Savar. Ashulia, Savar Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Ashulia, Savar
Zip Code:	1341
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date :	30 August, 2014
Final Report Date :	2 October, 2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex :	There are 8 buildings in factory premises among which three are main production buildings and five are ancillary. Those are- 1) Main Building (Z-3 Composite Knitwear), 2) Elastic Section, 3) Embroidery Section, 4) Security Post, 5) Gas Meter reading room, 6) Generator and Compressor Room, 7) Generator Room, 8) Boiler Room.
Number of Building Levels (Stories) :	1) Main Building: Above grade -6, Below grade -0, 2) Elastic Section - Above grade:1, below grade:0, 3) Embroidery Section: Above grade:1, below grade:0, 4) Security Post: Above grade-1, Below grade-0, 5) Gas meter reading room: Above grade-1, Below grade-0, 6) Generator and Compressor room: Above grade-2, Below grade-0, 7) Generator Room: Above grade-1, Below grade-0, 8) Boiler Room: Above grade-1, Below grade-0.
Approximate Building Area (SF) :	Total area 1,63,695.21 Sft;(Including roof square footage). 1) Main Building: 1,48,111.46 Sft(Ground floor-21158.78, 1st floor-21158.78 sft, 2nd floor-21158.78 sft, 3rd floor-21158.78 sft, 4th floor-21158.78 sft, 5th floor-21158.78 sft, Occupied Roof: 8012 sft, Unoccupied Roof: 13146.78 sft), 2) Elastic Section: 6016 sft, 3) Embroidery Section: 6000 sft, 4) Security Post: 50 Sft, 5) Gas Meter reading Room : 150 Sft, 6) Generator and Compressor Room: 798 Sft, 7) Generator Room (Gas Generator): 1616.04 Sft, 8) Boiler Room: 953.71 Sft.
Date of Building Construction :	1) Main Building : 2001-2004, 2) Security Post: 2004, 3) Gas Meter reading room: 2007, 4) Generator and Compressor Room: 2007, 5) Generator Room (Gas Generator): 2007, 6) Boiler Room: 2007.
Date of Last Building Renovation/Addition :	No record found.
Is the Building mixed	No



use?:	
Ancillary Structures in Complex :	1) Security Post, 2) Gas Meter Reading Post, 3) Generator and Compressor Room, 4) Generator Room, 5) Boiler Room.
Number of Ancillary Levels (Stories) :	1) Security Post: Above grade-1, Below Grade-0, Occupied level-1, 2) Gas meter reading room: Above grade-1, Below grade-0, Occupied level-1, 3) Generator and Compressor room: Above grade-2, Below grade-0, Occupied level-2, 4) Generator Room: Above grade-1, Below grade-0, Occupied level-1, 5) Boiler Room: Above grade-1, Below grade-0, Occupied level-1.
Approximate Ancillary Structures Area (SF) :	1) Security Post: 50 Sft, 2) Gas Meter reading Room : 150 Sft, 3) Generator and Compressor Room: 798 Sft, 4) Generator Room (Gas Generator): 1616.04 Sft, 5) Boiler Room: 953.71 Sft.
Number of Occupants :	Total Occupants : 1625; 1) Building -1: (Ground floor-10, 1st floor-100, 2nd Floor-487, 3rd floor-470, 4th Floor-480), 2) Security Post: 10, 3) Gas Meter reading Room : 0, 4) Generator and Compressor Room: 1, 5) Generator Room: 1, 6) Boiler Room: 1, 7) Embroidery Section 15, 8) Elastic Section: 50.
Exterior Facade Description :	1. Main Building: The building is RCC frame structure with in filled masonry wall. Exterior face of the masonry wall is of plaster and paint works. The main door of the building is a metal sliding door and the windows are of sliding glass type. 2. Elastic Section : The structures is single storied steel Sheds with RCC column. Exterior face of the masonry wall is of plaster and paint works. The main door of the building is a metal sliding door. 3. Embroidery Section : The structures is single storied steel Sheds with RCC column. Exterior face of the masonry wall is of plaster and paint works. The main door of the building is a metal sliding door.
Structural System Description :	1. Main Building: This building is a Flat plate structure system. Foundation is isolated footing. Regular structure., 2. Elastic Section : The structures is single storied steel Sheds with RCC column. Foundation is isolated footing., 3. Embroidery Section : The structures is single storied steel Sheds with RCC column. Foundation is isolated footing.
Issues were not found during the structural integrity assessment that required the Emergency Escalation Protocol (and referral to NTC Review Panel)?:	Yes



ASSESSMENT FINDINGS

Structural System Design

Question:	Are the available FoS for the columns adequate based on Preliminary calculation?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	1. Main Building : FoS of columns noted as below: Based on the NDT value of 2636 Psi: Central Column:1.56 Corner Column: 2.19 Edge Column: 1.50 FoS for central column and edge column are not within acceptable limit. Based on the minimum concrete compressive strength (2045 psi): Central Column: 1.35 Corner Column: 1.85 Edge Column: 1.28 The FoS in all columns are not within acceptable limit. 2. Elastic Section: Not applicable. 3. Embroidery Section : Not applicable.	
Source of Findings:	Uploaded Document: Preliminary calculation was done for the columns.	
Suggested Plan of Action:	Engage a qualified structural engineer and carry out structural assessment to identify what remedial action is appropriate, which may include retrofitting. Under guidance from a qualified structural engineer, arrange Detail Engineering Assessment of the structure within 6 weeks, including core testing to assess concrete strength. Reduction of load is required before any other remedial action is undertaken based on detailed structural assessment.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Provide results of preliminary calculations in space provided. a) column capacity; FoS > 1.86 - Safe b) column capacity; FoS 1.5 -1.86 - Needs Evaluation c) Column capacity; FoS 1.25-1.5 - Needs Evaluation d) Column capacity; FoS <1.25 - Unsafe In case of a critically low FoS (<1.25), consider Immediate Escalation Protocol	
Question:	Are credible structural design documents available for review and kept on site?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	The set of the design document for all production buildings is not available on the site for review. However, the design report is not available which is required as per BNBC 2006 clause 1.9.1.1. (Also, the identity of the Structural Engineer, Architect are not complete.)	
Source of Findings:	Document Review: Document unavailable.	
Suggested Plan of Action:	Have a qualified structural engineer prepare credible as-built documents based on the requirements of Part 8 Section 8.19 of the Alliance Standard.	



Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 8 Section 8.19 Required Structural Documentation for New and Existing Factories	
Question:	Is a clear and redundant load path to resist lateral loads provided?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	1. Main Building: The structure is a flat plate system and hence the lateral load system is not apparent and the redundancy is not known. 2. Elastic Section: The structure is a steel shed system. Hence the lateral load path is apparent in one direction but the redundancy is not known. 3. Embroidery Section : The structure is a steel shed system. Hence the lateral load path is apparent in one direction but the redundancy is not known.	
Source of Findings:	Document Review: 1. Main Building: The structure is a flat plate system and hence the lateral load system is not apparent and the redundancy is not known. 2. Elastic Section: The structure is a steel shed system. Hence the lateral load path is apparent in one direction but the redundancy is not known. 3. Embroidery Section : The structure is a steel shed system. Hence the lateral load path is apparent in one direction but the redundancy is not known., Visual Assessment: Confirmed by visual inspection and document availability.	
Suggested Plan of Action:	Have a qualified structural engineer complete further analysis of the structure and develop a remediation plan if required.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standards Part 8 Section 8.17 Design for Lateral Loads and 8.3.3. 2006 BNBC Part 6 Section 1.5	
Question:	Where density of operations, storage of materials, or equipment weights require live load capacity in excess of 2.0 kN/m ² (42 psf), do the design documents confirm that the required load capacity exists? Or has the load capacity been analytically confirmed and certified by an Alliance-qualified structural engineer?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	1. Main Building: The density of operation in 2nd and 5th floor is exceeding 42 psf but there is no analytical confirmation of strength that can support this load. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Visual Assessment: Visually confirmed.	
Suggested Plan of Action:	Have a qualified structural engineer confirm that capacity to support the load is available. Load Plans complying with Alliance Standard Part 8 Section 8.20.4.3 should also be developed.	
Suggested Deadline	14 Oct 2014	



Date:		
Standard:	Alliance Standards Part 8 Section 8.15 Minimum Floor Design Loads	
Question:	Can credible structural documentation indicating general conformance with 2006 BNBC or other comparable applicable international model building code be produced?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	1. Main building: The building is designed and constructed before 2006 but there is no indication that the design accommodates the requirement of BNBC 2006 or other comparable applicable international model building code. 2. Elastic Section: The building is designed and constructed after 2006 & there is no indication that the design accommodates the requirement of BNBC 2006 or other comparable applicable international model building code. 3. Embroidery Section: The building is designed and constructed after 2006 & there is no indication that the design accommodates the requirement of BNBC 2006 or other comparable applicable international model building code.	
Source of Findings:	Document Review: Documents unavailable.	
Suggested Plan of Action:	Engage a qualified structural engineer to develop the required documents to confirm the structural integrity of the buildings. Documents must comply with Alliance Standard Part 8 Section 8.19 and 8.20	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Reference Alliance Standards Part 8 Section 8.2 Structural Integrity of Existing Factory Buildings	
Question:	Can documentation be provided that the building is compliant with the requirements for wind loading and storm surge loadings as detailed in BNBC Part 6 Section 1.5.3?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	There is no clear information available on the design document to understand the consideration of storm surge and wind loading in the design of all production buildings.	
Source of Findings:	Document Review: Document unavailable.	
Suggested Plan of Action:	Engage a qualified structural engineer to confirm satisfactory structural performance of the buildings under wind loading and storm surge.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	2006 BNBC Part 6 Section 1.5. Compliance may be waived if the Factory Owner provides satisfactory evidence of a cyclone operations plan that	



	includes full evacuation of the factory in advance of any approaching cyclone"	
Question:	If the structure has been previously expanded, was the structural impact on the entire structure analytically evaluated and confirmed by a qualified structural engineer.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	1. Main building: There is a vertical expansion of this building where 1 dining shed has been added to the original 6 storied building. No information on the impact of load on the previous structure is available. 2. Elastic Section: There is a horizontal expansion for which load impact on existing structure not available. 3. Embroidery Section: There is a horizontal expansion for which load impact on existing structure not available.	
Source of Findings:	Document Review: Document unavailable., Visual Assessment: Visual assessment shows as follows: 1. Main building : There is a vertical expansion of this building where 1 dining shed has been added to the original 6 storied building. No information on the impact of load on the previous structure is available. 2. Elastic Section: There is a horizontal expansion for which load impact on existing structure not available. 3. Embroidery Section : There is a horizontal expansion for which load impact on existing structure not available.	
Suggested Plan of Action:	Engage a qualified structural engineer to evaluate the impact of the vertical expansion of the building.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Reference Alliance Standards Part 8 Section 8.1 Applicability of Building Code.	
Question:	Results of ferro-scanning for confirmation of steel rebar in the columns of the lowest tier were satisfactory.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	1. Main Building : The number and diameter of rebars found less than what is shown in the structural drawings. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Visual Assessment: Confirmed by ferro-scanning.	
Suggested Plan of Action:	Engage a qualified structural engineer and identify the impact of the reduced number and diameter of rebars on the integrity of the structure.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment	
Question:	If built after 2006, can documented compliance with the seismic and wind	



	requirements of the 2006 BNBC be provided?
Priority Level:	Medium
Non-Compliance Level:	1
Description:	1. Main Building: The building is constructed before 2006. 2. Elastic Section: The building is constructed after 2006. However, there is no indication that the building has been designed taking into consideration the seismic and wind load. 3. Embroidary Section : The building is constructed after 2006. However, there is no indication that the building has been designed taking into consideration the seismic and wind load.
Source of Findings:	Document Review: Documents unavailable.
Suggested Plan of Action:	Have a qualified structural engineer document compliance with the seismic and wind requirements stated in the 2006 BNBC.
Suggested Deadline Date:	18 Oct 2014
Standard:	Alliance Standards Part 8 Section 8.17 Design for Lateral Loads and 2006 BNBC Part 6 Section 1.5
Question:	Have provisions been made in floors or decks for a concentrated load (such as heavy equipment, water tanks, stored materials, etc) applied at a location wherever this load acting upon an otherwise unloaded floor would produce stresses greater than those caused by a uniform load?
Priority Level:	Medium
Non-Compliance Level:	1
Description:	1. Main Building: There are 2 water tanks on the roof, where one has the capacity of 2 tons and the other with the capacity of 1 ton of water storage. There is no analysis the load due to these tanks in the design. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.
Source of Findings:	Document Review: Document unavailable., Visual Assessment: Visually confirmed.
Suggested Plan of Action:	Engage a qualified structural engineer to confirm and document that provisions have been made to accommodate these water tanks. If provisions have not been made, have a qualified structural engineer develop a remediation plan.
Suggested Deadline Date:	18 Oct 2014
Standard:	Alliance Standard Part 8 Section 8.13 and 8.14
Question:	Are Certificates of Occupancy available for review?
Priority Level:	Low
Non-Compliance Level:	1





Description:	The factory has not obtained the Certificate of Occupancy for all main building from the authority.
Source of Findings:	Document Review: No document available.
Suggested Plan of Action:	Apply for issuance of Certificate of Occupancy for all main building and pursue the matter to obtain the same.
Suggested Deadline Date:	18 Oct 2014
Standard:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment

Structural System Construction

Question:	If yes, have the structural members constructed with MCAC been investigated by an appropriate program of in-situ testing and representative destructive testing or core samples?
Priority Level:	Medium
Non-Compliance Level:	3
Description:	The structural members constructed with MCAC have not been investigated by an appropriate program of in-situ testing and representative destructive testing or core samples. For main building, the column stress calculated taking into account the strength of concrete shows overstress at 2045 psi.
Source of Findings:	Visual Assessment: Visual inspection and calculation shows that the columns constructed of MCAC are overstressed. The FoS is 1.35, 1.85 and 1.28 for central, corner and edge column respectively.
Suggested Plan of Action:	Conduct detailed structural assessment by qualified structural engineer and carry out remedial action as necessary. Conduct core testing for concrete to obtain the concrete strength.
Suggested Deadline Date:	18 Oct 2014
Standard:	Reference Alliance Standards Part 7 Building Materials Section 7.2 Masonry-chip aggregate concrete (MCAC)
Question:	Have all areas of needed maintenance, including areas with efflorescence, dampness, standing water on rooftops, and corrosion been addressed.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	1. Main Building: There is no maintenance program for all areas including areas with dampness, standing water on rooftops. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.
Source of Findings:	Document Review: Document for maintenance program unavailable. , Visual Assessment: Visually confirmed.





Suggested Plan of Action:	Under guidance from a qualified structural engineer, address all areas of needed maintenance by correcting the identified issues.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 8 Section 8.26 Durability and Maintenance	
Question:	Are any structural elements constructed with MCAC exposed to rainfall or other sources of water sealed with a protective coating to prevent water intrusion?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	1. Main Building: The roof of the building is of MCAC aggregate but no protective sealing was present. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Visual Assessment: Confirmed visually.	
Suggested Plan of Action:	Provide a protective coating at the structural elements constructed with MCAC exposed to rainfall or other sources of water. Have protective coating approved by the Alliance or a qualified structural engineer. Otherwise, provide 2% slope on the exposed surface to prevent accumulation of water.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standards Part 7 Building Materials Section 7.2 Masonry-chip aggregate concrete (MCAC).	
Question:	Are all non-structural elements suspended from, attached to, or resting atop the structure adequately anchored and braced to resist earthquake forces?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	1. Main Building: In the store room, there are some racks which are not braced and anchored to resist the earthquake force. Also, there are two water tanks with considerable height on the roof of the main building, which are not braced or anchored properly. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Visual Assessment: Confirmed visually.	
Suggested Plan of Action:	Adequately anchor and brace all non-structural elements to resist earthquake forces to comply with the BNBC and Alliance Standard.	
Suggested Deadline Date:	29 Nov 2014	
Standard:	Alliance Standards Part 8 Section 8.18 Seismic Bracing of Key Non-Structural Elements and 2006 BNBC Part 6	



Question:	The exterior façade is free of cracking.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	1. Main Building: Cracks have been identified in the exterior façade. 2. Elastic Section: The exterior façade is free of cracking. 3. Embroidery Section: The exterior façade is free of cracking.	
Source of Findings:	Visual Assessment: Visually confirmed.	
Suggested Plan of Action:	Have a qualified structural engineer provide further analysis of the identified cracks to determine the appropriate course of corrective action.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 8 Section 8.2	
Question:	Is the building free of active signs of water intrusion or ponding due to lack of performance of the façade system?	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	1. Main Building: There are signs of dampness on the exterior walls of the building. This needs to be remedied. 2. Elastic Section: There is no sign of dampness on the exterior walls of the building. 3. Embroidery Section: There is no sign of dampness on the exterior walls of the building.	
Source of Findings:	Visual Assessment: Confirmed visually.	
Suggested Plan of Action:	Have the exterior façade repaired to ensure prevent dampness.	
Suggested Deadline Date:	29 Nov 2014	
Standard:	Alliance Standard Part 8 Section 8.26 Durability and Maintenance	
Structural Safety Programs		
Question:	Is a program in place to ensure that the live loads for which a floor or roof is or has been designed will not be exceeded?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	1. Main Building: There is no program that will ensure that the designated load in each floor will not be exceeded. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Document Review: Document unavailable.	



Suggested Plan of Action:	Develop a program to ensure that all live loads for which a floor or roof has been designed for will not be exceeded. The designated Load Manager shall oversee this program and ensure it is enforced.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 13 Section 13.7 and Part 8 Section 8.9.	
Question:	Have Load Plans been prepared for each floor documenting the actual maximum operational loading that is intended and/or allowable on each floor.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	1. Main Building: There is no load plan available showing the actual maximum operational loading that is allowable. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Document Review: Document review shows as follows: 1. Main Building: There is no load plan available showing the actual maximum operational loading that is allowable. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Suggested Plan of Action:	Have a qualified structural engineer develop Floor Loading Plans per the requirements of Part 8 Section 8.20.5.3.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 8 Section 8.10 Floor Loading Plans (Load Plans)	
Question:	Are Floor Load Plans posted as required?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	1. Main Building: Floor load plans are not posted. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Visual Assessment: 1. Main Building: Floor load plans are not posted. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Suggested Plan of Action:	Have a qualified structural engineer prepare load plans including the information required in Section 8.20 of the Alliance Standard and have it posted in all required location.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 8 Section 8.20.5.3	
Question:	Are areas used for storage of work materials and work products, clearly	



	marked to indicate the acceptable loading limits as described in the Load Plan for that floor?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	1. Main Building: There is no load plan. Also, there is no marking on the floor to designate spaces and height for storage of work materials. 2. Elastic Section: Not applicable. 3. Embroidery Section: Not applicable.	
Source of Findings:	Visual Assessment: Confirmed visually.	
Suggested Plan of Action:	Provide signage or the appropriate markings at all areas used for storage to indicate the acceptable loading limits detailed in the Load Plan.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standard Part 8 Section 8.11 Floor Load Markings	
Question:	Is a designated representative (Factory Load Manager), who is onsite full time, trained regarding the structural floor capacity, and serves as an ongoing vendor resource and monitor of operational factory floor loadings?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	There is no designated representative (Factory Load Manager), who is onsite full time, trained regarding the structural floor capacity, and serves as an ongoing vendor resource and monitor of operational factory floor loadings.	
Source of Findings:	Document Review: Document unavailable.	
Suggested Plan of Action:	Designate a representative as the Factory Load Manager. The Factory Owner shall ensure that at least one individual, the Factory Load Manager who is located onsite full time at the factory, is trained in calculating operational load characteristics of the specific factory. The Factory Load Manager shall serve as an ongoing resource to RMG vendors and be responsible to ensure that the factory operational loads do not at any time exceed the factory floor loading limits as described on the Floor Loading Plans.	
Suggested Deadline Date:	18 Oct 2014	
Standard:	Alliance Standards Part 8 Section 8.9 Factory Load Manager	