

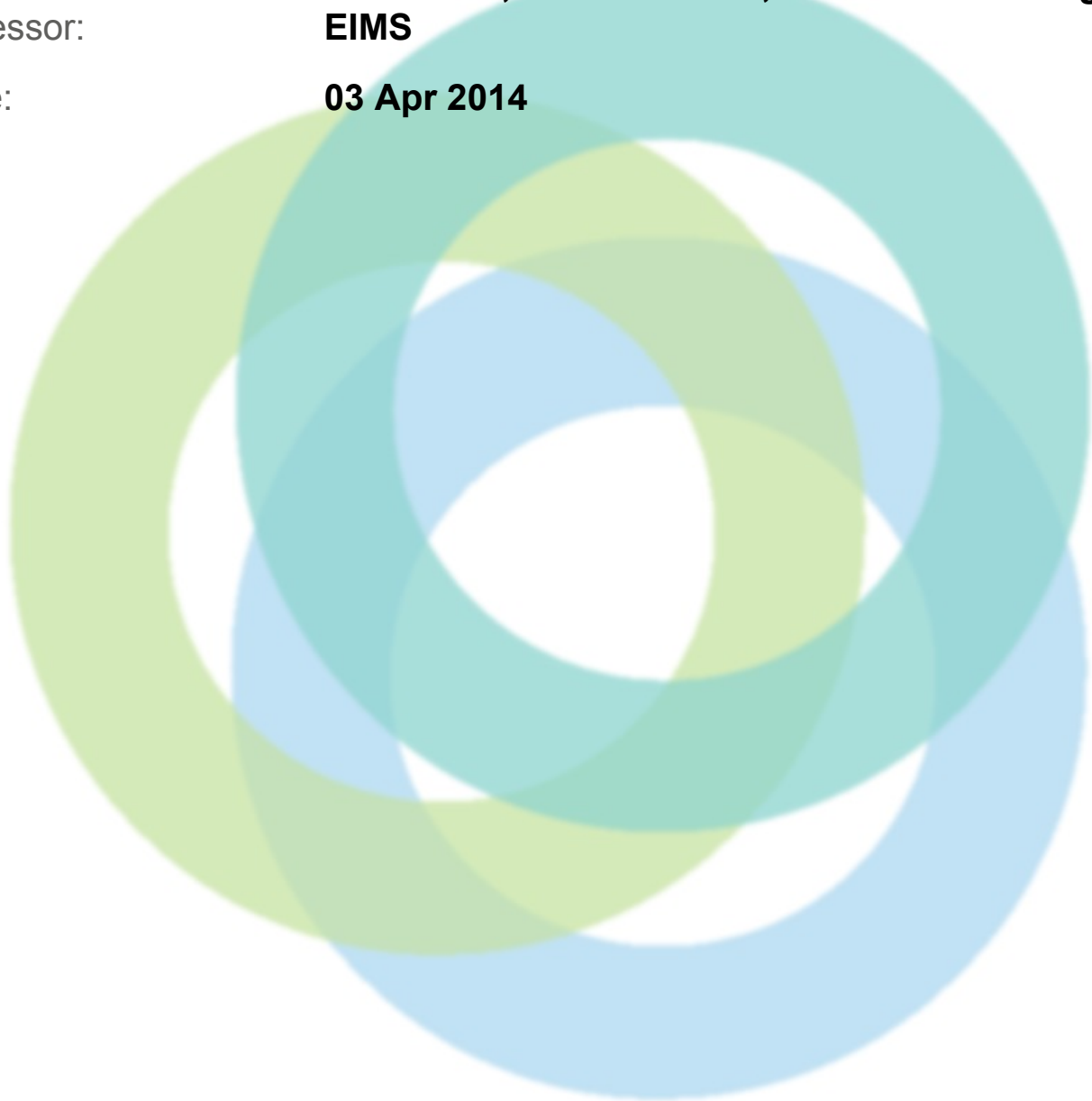
INITIAL STRUCTURAL INTEGRITY ASSESSMENT REPORT (SIAR)

Factory Name: **Talisman, Ltd.**

Address: **Plot 7-10 & 13-16, Extension Area, Dhaka EPZ,
Ganakbari, Savar Ashulia, Savar Dhaka Bangladesh**

Assessor: **EIMS**

Date: **03 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:	Talisman, Ltd.
Address:	Plot 7-10 & 13-16, Extension Area, Dhaka EPZ, Ganakbari, Savar Ashulia, Savar Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Ashulia, Savar
Zip Code:	1349
Audit Duration:	9 Hours
Re-Audit:	Re-Audit After 0 Months
Draft Report Date :	15 April 2014
Final Report Date :	15 May 2014
Are all Action Items From Previous Assessment Completed?:	No
Buildings in Complex :	One (1)
Number of Building Levels (Stories) :	Two including mezzanine floor
Approximate Building Area (SF) :	1,75,000 sft
Date of Building Construction :	first phase: unknown second phase: 2010
Date of Last Building Renovation/Addition :	2010
Is the Building mixed use?:	No
Ancillary Structures in Complex :	Two (2)
Number of Ancillary Levels (Stories) :	Three levels for canteen, two levels for generator & medical centre
Approximate Ancillary	Canteen-9133 sft Medical centre-5234 sft

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ALLIANCE
FOR BANGLADESH WORKER SAFETY

Structures Area (SF) :	
Number of Occupants :	3209
Exterior Facade Description :	Unreinforced brick masonry with glass window.
Structural System Description :	Steel frame having deck slab in mezzanine floor



ASSESSMENT FINDINGS

Structural System Design

Question:	Are Certificates of Occupancy available for review?	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Are not available for review.	
Source of Findings:	Document Review: Site visit on April 03, 2014	
Suggested Plan of Action:	Provide certificates of occupancy for review.	
Suggested Deadline Date:	26 Jun 2014	
Standard:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment	
Question:	Structural Engineer of Record	
Priority Level:		
Non-Compliance Level:		
Description:	Md Monayem Hossain (FIEB-6255)	
Source of Findings:	Document Review: Structural drawing regarding structural engineer	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Provide the name and firm of the structural engineer of record.	
Question:	Architect of Record	
Priority Level:		
Non-Compliance Level:		
Description:	M. M Kamal (MIEB-K-006)	
Source of Findings:	Document Review: Architectural drawing regarding name of architect	
Suggested Plan of Action:		



Suggested Deadline Date:		
Standard:	Provide the name and firm of the architect of record.	
Question:	Are credible structural design documents available for review and kept on site?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Detail drawing of roof & roof supporting members not found and recommended to prepare as built structural drawing.	
Source of Findings:	Document Review: Structural drawings	
Suggested Plan of Action:	Engage 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:	26 Jun 2014	
Standard:	Alliance Standard Part 8 Section 8.19 Required Structural Documentation for New and Existing Factories	
Question:	Is a Geotechnical Report available for review and kept on site?	
Priority Level:	Low	
Non-Compliance Level:		
Description:	A complete geotechnical report was provided for review.	
Source of Findings:	Document Review: Geotechnical report	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.2 Structural Integrity of Existing Factory Buildings	
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:	1	
Description:	The building was built before 2006. So, answer to the question is not applicable.	
Source of Findings:	Document Review: Structural drawings	






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:	26 Jun 2014	
Standard:	Reference Alliance Standards Part 8 Section 8.2 Structural Integrity of Existing Factory Buildings	
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:	Supplied drawing did not indicate seismic and wind requirements of the 2006 BNBC.	
Source of Findings:	Document Review: Structural drawings	
Suggested Plan of Action:	Engage a qualified structural engineer to prepare document compliance with the seismic and wind requirements stated in the 2006 BNBC.	
Suggested Deadline Date:	26 Jun 2014	
Standard:	Alliance Standards Part 8 Section 8.17 Design for Lateral Loads and 2006 BNBC Part 6 Section 1.5	
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:	1	
Description:	Wind load and storm surge loading are not mentioned in the drawings.	
Source of Findings:	Document Review: Structural drawings	
Suggested Plan of Action:	Engage a qualified structural engineer to confirm satisfactory structural performance of the building under seismic loading.	
Suggested Deadline Date:	26 Jun 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:	Has evidence of structural integrity been provided using a Preliminary Structural Assessment?	




Priority Level:	High
Non-Compliance Level:	
Description:	Previously one structural assessment was done by sumerra. They observed the factory building is free from severe issue and reported that the design review is 100% ok, maintenance is 50% ok and structural performance is 94% ok.
Source of Findings:	Document Review: Assessment Report
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 8 Section 8.2 Structural Integrity of Existing Factory Buildings
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:	
Description:	No expansion was done previously. So, answer of the question is not applicable.
Source of Findings:	Visual Assessment: Site visit on April 03, 2014
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 8 Section 8.1 Applicability of Building Code.
Question:	Structural System Type as defined by 2006 BNBC Part 6 Chapter 1 Table 6.1.2.
Priority Level:	
Non-Compliance Level:	
Description:	The building is steel moment resisting frame system.
Source of Findings:	Visual Assessment: Photographs of the structural system
Suggested Plan of Action:	





Suggested Deadline Date:		
Standard:	2006 BNBC Part 6 Chapter 1 Table 6.1.2	
Question:	What is the Structural Configuration?	
Priority Level:		
Non-Compliance Level:		
Description:	The building is regular structural.	
Source of Findings:	Document Review: Plan of the buildings	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	2006 BNBC Part 6 Chapter 1 Section 1.3.4	
Question:	Is a clear and redundant load path to resist lateral loads provided?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	The building seems to have redundancy according to ASCE 31.	
Source of Findings:	Uploaded Document: Redundancy in ASCE/SEI 31-03	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 8 Section 8.17 Design for Lateral Loads and 8.3.3. 2006 BNBC Part 6 Section 1.5	
Question:	Are the available FoS for the columns adequate based on Preliminary calculation?	
Priority Level:	High	
Non-Compliance Level:		
Description:	From Preliminary Calculation FoS for Central Column-3.49, Edge Column-3.42, Corner Column-4.29	
Source of Findings:	Uploaded Document: Column capacity calculation sheet	
Suggested Plan of Action:		



Suggested Deadline Date:		
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:	Results of ferro-scanning for confirmation of steel rebar in the columns of the lowest tier were satisfactory.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	The building is steel structure so Ferro-Scanning was not performed.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment	
Question:	What are the full dead and live loads of the floor slabs and decks?	
Priority Level:		
Non-Compliance Level:		
Description:	Only One Mezzanine Floor is Exist. Total Dead Load is 79 psf and live load is 42 psf.	
Source of Findings:	Uploaded Document: Load calculation sheet	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Provide information regarding the dead and live loads of the floor slabs and decks.	



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:	2
Description:	We have found concentrated load on the store room. The approximate load was 140 psf.
Source of Findings:	Visual Assessment: Stored materials
Suggested Plan of Action:	Engage a qualified structural engineer to confirm and document that provisions have been made to accommodate concentrated loads.
Suggested Deadline Date:	26 Jun 2014
Standard:	Alliance Standard Part 8 Section 8.13 and 8.14
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:	2
Description:	We found storage load 140 psf at storage area. But the floor load capacity was not mentioned in the drawings.
Source of Findings:	Visual Assessment: Photographs of stored materials
Suggested Plan of Action:	Engage a qualified structural engineer to 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 Date:	26 Jun 2014
Standard:	Alliance Standards Part 8 Section 8.15 Minimum Floor Design Loads



Structural System Construction

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:	
Description:	Standing water on roof top, dampness and corrosion were not found during






	inspection.
Source of Findings:	Visual Assessment: Photograph of roof top
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 8 Section 8.26 Durability and Maintenance
Question:	The exterior façade is free of cracking.
Priority Level:	Low
Non-Compliance Level:	
Description:	No crack in exterior façade.
Source of Findings:	Visual Assessment: Photograph of Exterior Façade
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 8 Section 8.2
Question:	Are expansion joints provided at appropriate intervals on the exterior façade?
Priority Level:	Low
Non-Compliance Level:	
Description:	No expansion joint was found at the exterior façade. So answer of this question is not applicable.
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 8 Section 8.2 Structural Integrity of Existing Factory Buildings
Question:	Is expansion joint material free from cracking and other forms of deterioration?
Priority Level:	Low
Non-Compliance Level:	







Description:	As there were no expansion joint found in the buildings, so answer to the question is not applicable.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.26 Durability and Maintenance	
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:		
Description:	No water intrusion was found in facade.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.26 Durability and Maintenance	
Question:	Are the performance of key structural elements such as columns, slender columns, flat plates and transfer structures satisfactory?	
Priority Level:	High	
Non-Compliance Level:		
Description:	Columns are adequate. Slender columns are not found in the buildings. Flat Plate are not found in the buildings. Transfer girder are not found in the buildings.	
Source of Findings:	Uploaded Document: Column capacity calculation sheet	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.3.3	



Question:	Is the structural system free of settlement cracking, excessive perimeter separations, and unlevel floors attributable to foundation settlements?
Priority Level:	High
Non-Compliance Level:	
Description:	No sign of foundation settlement was found during the site visit.
Source of Findings:	Visual Assessment: Photograph of building perimeter
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 8 Structural Design Section 8.2 Structural Integrity of Existing Factory Buildings
Question:	Is the structural system free of deflections (sagging), rotations (twisting), perceivable vibrations, or other noticeable movements of the structure?
Priority Level:	High
Non-Compliance Level:	
Description:	No sagging, rotation or perceivable vibrations found in the structure.
Source of Findings:	Visual Assessment: Photograph of structural system
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 8 Structural Design Section 8.2 Structural Integrity of Existing Factory Buildings
Question:	Is the structural system free of distress, separations, or cracking that indicates lack of performance or overstress of the lateral load-carrying system?
Priority Level:	High
Non-Compliance Level:	
Description:	We did not find any distress, separations or cracking in the lateral load carrying members.
Source of Findings:	Visual Assessment: Site visit on April 03, 2014
Suggested Plan of Action:	
Suggested Deadline	





Date:		
Standard:	Alliance Standard Part 8 Section 8.3.3	
Question:	Is the structural system free of distress, settlement, shifting, or cracking in columns or walls?	
Priority Level:	High	
Non-Compliance Level:		
Description:	We did not find any distress, settlement cracking in the columns or wall.	
Source of Findings:	Visual Assessment: Photograph of distress free column	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.3.3	
Question:	Have any previous repairs to correct structural deficiencies or to reinforce the existing structure been completed?	
Priority Level:		
Non-Compliance Level:		
Description:	We found repair works in central columns.	
Source of Findings:	Visual Assessment: Photograph of repaired column	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:		
Question:	Was masonry-chip aggregate concrete (MCAC) used in the construction of the building?	
Priority Level:		
Non-Compliance Level:		
Description:	The building is a steel structure which foundation is RCC but the type of construction material is not known.	
Source of Findings:		
Suggested Plan of Action:		




Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 7 Building Materials Section 7.2 Masonry-chip aggregate concrete (MCAC)	
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:		
Description:	The building is steel structure, so answer of this question is not applicable.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 7 Building Materials Section 7.2 Masonry-chip aggregate concrete (MCAC)	
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:		
Description:	As the building is steel structure, so answer of this question is not applicable.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 7 Building Materials Section 7.2 Masonry-chip aggregate concrete (MCAC).	



Question:	Are structural steel members free of corrosion, physical damage or other types of deterioration?
Priority Level:	Medium
Non-Compliance Level:	
Description:	We did not find any corrosion, physical damage or other type of deterioration.
Source of Findings:	Visual Assessment: Photograph of corrosion free structural system
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 8 Section 8.26
Question:	For post-tensioned reinforced concrete systems or elements, cored holes have not compromised the post-tensioned strands.
Priority Level:	High
Non-Compliance Level:	
Description:	As no post-tensioned reinforced concrete in these buildings, so this is not applicable.
Source of Findings:	Visual Assessment: Site visit on April 03, 2014
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Not Applicable
Question:	Is the structure free from any major/progressive distress?
Priority Level:	High
Non-Compliance Level:	
Description:	We did not find any major/ progressive distress.
Source of Findings:	Visual Assessment: Photograph of distress free structural system
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standards Part 8 Section 8.3.3






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:	1	
Description:	Racks for fabric rolls are not anchored and braced to resist earthquake forces.	
Source of Findings:	Visual Assessment: Photograph of storage racks without anchorage	
Suggested Plan of Action:	Develop engineered plans to brace all non-structural elements to resist earthquake forces to comply with the BNBC and Alliance Standard. Install anchor and braces as shown on approved plans.	
Suggested Deadline Date:	26 Jun 2014	
Standard:	Alliance Standards Part 8 Section 8.18 Seismic Bracing of Key Non-Structural Elements and 2006 BNBC Part 6	
Question:	If the building is currently being renovated or expanded, are the Construction Practices and Safety requirements of Section 9 being followed?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	The building is not currently being expanded or renovated, so answer of this question is not applicable.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 9 Construction Practices and Safety.	
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:		
Description:	The building is steel structure, so answer of this question is not applicable.	
Source of Findings:		
Suggested Plan of Action:		



Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 7 Building Materials Section 7.2 Masonry-chip aggregate concrete (MCAC)	
Structural Safety Programs		
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:	Load plans have not prepared for all floors of the building.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
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:	26 Jun 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:	No floor load plan was posted on the floors.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
Suggested Plan of Action:	Have a qualified structural engineer prepare load plans including the information required in Section 8.20 of the Alliance Standard.	
Suggested Deadline Date:	26 Jun 2014	
Standard:	Alliance Standard Part 8 Section 8.20.5.3	
Question:	Are floor loads in compliance with posted plans?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	As floor load plan is unavailable, answer of this question is not applicable.	
Source of Findings:		



Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.10 Floor Loading Plans (Load Plans).	
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:	No marking for storage limit was found during inspection.	
Source of Findings:	Visual Assessment: Photograph of storage area	
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:	26 Jun 2014	
Standard:	Alliance Standard Part 8 Section 8.11 Floor Load Markings	
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:	2	
Description:	There was no program in place to ensure the live loads for which a floor or roof has been designed. So it is required and it should be marked in all floors including roof.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
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:	26 Jun 2014	
Standard:	Alliance Standard Part 13 Section 13.7 and Part 8 Section 8.9.	
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:	2	
Description:	No factory load manager was onsite full time. So, a factory load manager is required to check whether the loads exceed or not as per floor load plan.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
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:	26 Jun 2014	
Standard:	Alliance Standards Part 8 Section 8.9 Factory Load Manager	
Question:	For post-tensioned reinforced concrete systems or elements, is a program in place to ensure post-tensioned strands are located before core drilling begins?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	As no post-tensioned reinforced concrete in these buildings, so this is not applicable.	
Source of Findings:	Visual Assessment: Site visit on April 03, 2014	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.26 Durability and Maintenance	