

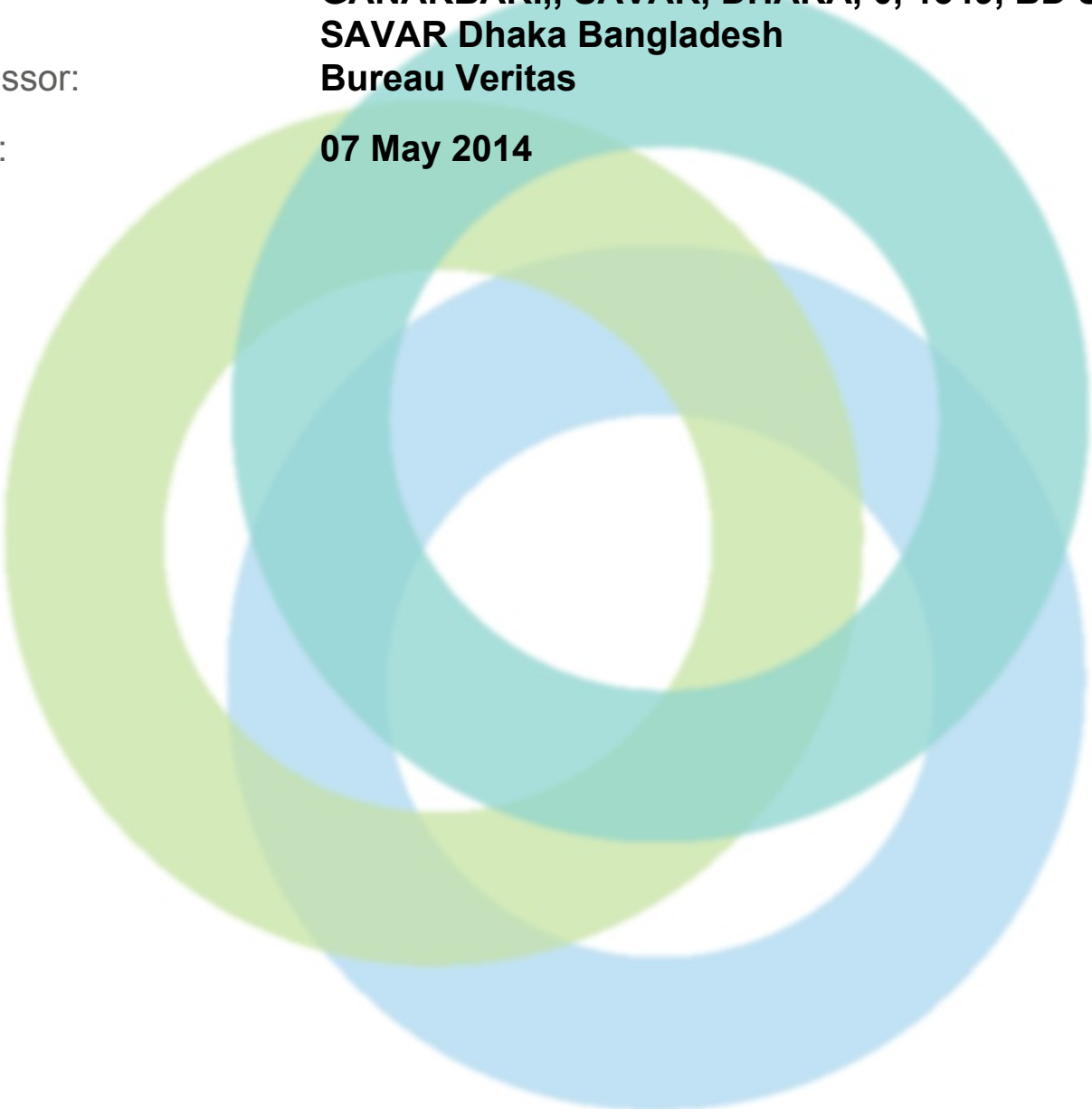
INITIAL STRUCTURAL INTEGRITY ASSESSMENT REPORT (SIAR)

Factory Name: **LENNY FASHIONS LIMITED(UNIT-2)**

Address: **SFB-1,DHAKA EXPORT PROCESSING ZONE,,
GANAKBARI,, SAVAR, DHAKA, 0, 1349, BD SAVAR
SAVAR Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **07 May 2014**





Introduction to the Report

The following report contains a site profile and summary of non-conformities identified during an onsite assessment commissioned by the Alliance for Bangladesh Worker Safety (Alliance) and conducted by a third-party Qualified Assessment Firm (QAF). The assessment was conducted against the Alliance for Bangladesh Worker Safety Assessment Protocols (APs) and Fire Safety and Structural Integrity Standard, which is harmonized with the factory assessment guidelines developed by Bangladesh University of Engineering and Technology (BUET) for the Bangladesh National Tripartite Plan of Action (NTPA). The goal of the Alliance process is to provide clear and practical technical requirements by which Bangladeshi Ready Made Garment (RMG) Factories producing for Alliance members may be consistently and fairly evaluated for fire, structural, and electrical safety in a non-duplicative manner. Each assessment will prompt action plans that will be used by RMG factories to systematically and sustainably improve safety conditions for garment workers. Beyond tracking and reporting on action steps taken in a transparent manner, the Alliance organization and its members will seek to further support factory improvements through technical assistance, training, implementation support for functional Worker Committees, and in some cases financial assistance and wage support for workers if factories are closed for remediation.

The contents of the report do not constitute a guarantee of compliance with the applicable laws, the Alliance Standard or the absolute or continued safety against fire, electrical and/or structural integrity issues that may lead to injury or loss of life. The report is designed to provide a non-exhaustive summary of risk issues, based on a limited sampling and duration of time onsite by the named QAF. Neither the QAF nor the Alliance can certify or guarantee the quality, outcome, or effectiveness of actions taken in response to the report.

For more information and report feedback please go to: www.bangladeshworkersafety.org.



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ALLIANCE
FOR BANGLADESH WORKER SAFETY

GENERAL INFORMATION

General Information

Factory Name:	LENNY FASHIONS LIMITED(UNIT-2)
Address:	SFB-1,DHAKA EXPORT PROCESSING ZONE,, GANAKBARI,, SAVAR, DHAKA, 0, 1349, BD SAVAR SAVAR Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	SAVAR
Zip Code:	
Audit Duration:	00 Days 08 Hours
Re-Audit:	Re-Audit After 0 Months
Draft Report Date :	05-09-2014
Final Report Date :	10-19-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex :	There are 3 buildings in the factory premises out of which one is main building and two are ancillary buildings. The buildings are named as: 1) Five story RCC main production building, 2) Single story Boiler room, Generator & Air compressor shed, 3) Single story Wastage shed.
Number of Building Levels (Stories) :	1) Five story RCC main production building: Stories above grade: 5, Stories below grade: 0, Occupied levels: 5, 2) Single story Boiler room, Generator & Air compressor shed: Stories above grade: 1, Stories below grade: 0, Occupied levels: 1, 3) Single story Wastage shed: Stories above grade: 1, Stories below grade: 0, Occupied levels: 1.
Approximate Building Area (SF) :	Total area of buildings in the factory premises: 1 51600 sft. (Including roof area). Building wise breakdown as follows: 1) Five story RCC main production building: 150056.00 sft (Ground floor: 30056.00 sft, 1st floor: 30000.00 sft, 2nd floor: 30000.00 sft, 3rd floor: 30000.00 sft, Occupied roof: 6000.00 sft, Unoccupied roof: 24000.00 sft), 2) Single story Boiler room, Generator & Air compressor shed: 844 sft, 3) Single story Wastage shed: 700 sft.
Date of Building Construction :	Factory personnel informed the date of construction as follows: 1) Five story RCC main production building: Finished in 2000, 2) Single story Boiler room, Generator & Air compressor shed: Finished in 2000, 3) Single story Wastage shed: Finished in 2000.
Date of Last Building Renovation/Addition :	Factory personnel informed the date of last building renovation as follows: 1) Five story RCC main production building: Finished in 2001.
Is the Building mixed	No

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use?:	
Ancillary Structures in Complex :	1) Single story Boiler room, Generator & Air compressor shed, 2) Single story Wastage shed.
Number of Ancillary Levels (Stories) :	1) Single story Boiler room, Generator & Air compressor shed: Stories above grade: 1, Stories below grade: 0, 2) Single story Wastage shed: Stories above grade: 1, Stories below grade: 0.
Approximate Ancillary Structures Area (SF) :	1) Single story Boiler room, Generator & Air compressor shed: 844 sft, 2) Single story Wastage shed: 700 sft.
Number of Occupants :	Total number of occupants: 1126. 1) Five story RCC main production building: 1122 (Ground floor: 17, 1st floor: 450, 2nd floor: 252, 3rd floor: 401, 4th floor: 2), 2) Single story Boiler room, Generator & Air compressor shed: 3, 3) Single story Wastage shed: 1.
Exterior Facade Description :	Outlook of the building is almost good. Exterior facade is free of cracking. From the visual inspection, the main structure is a regular RCC moment resisting frame structure with infilled masonry. The windows are swinging type with glass. There is a basket type steel ladder which has been anchored with the building.
Structural System Description :	The structure is a RCC moment resisting frame structure with infilled masonry. Foundation type is isolated footing foundation.



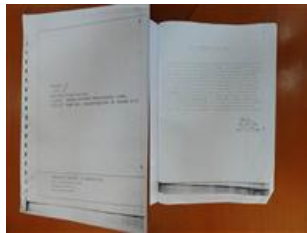
ASSESSMENT FINDINGS

Structural System Design

Question:	Are Certificates of Occupancy available for review?
Priority Level:	Low
Non-Compliance Level:	
Description:	Yes, a Certificate of Occupancy is available.
Source of Findings:	Document Review: Documents on Certificates of Occupancy are available.
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment
Question:	Structural Engineer of Record
Priority Level:	
Non-Compliance Level:	2
Description:	Name of the structural engineer: N.U. Chowdhury Name of the firm: Prokalpa Upodeshta LTD.
Source of Findings:	Document Review: By reviewing the available documents, it has been found that the MIEB No. and signature of the structural engineer is absent.
Suggested Plan of Action:	Provide the the MIEB no. and signature of the structural engineer with his sign.
Suggested Deadline Date:	25 Jun 2014
Standard:	Provide the name and firm of the structural engineer of record.
Question:	Architect of Record
Priority Level:	
Non-Compliance Level:	2
Description:	The name, sign and MIAB No. is not available in the relevant architectural drawings.
Source of Findings:	Document Review: The name, sign and MIAB No. is not available in the relevant architectural drawings.





Suggested Plan of Action:	Mention name of the architect in the relevant drawings with signature and MIAB no.	
Suggested Deadline Date:	25 Jun 2014	
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:	Structural design documents are available for review without a design report.	
Source of Findings:	Document Review: Structural design documents are available for review without a design report.	
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:	23 Jul 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:	2	
Description:	Photocopy geo-technical report is available, and it is signed by an engineer (Without MIEB No.)	
Source of Findings:	Document Review: Photocopy geo-technical report is available, and it is signed by an engineer (Without MIEB No.)	
Suggested Plan of Action:	Geotechnical engineer's sign and IEB no. must be provide in soil test report.	
Suggested Deadline Date:	23 Jul 2014	
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	



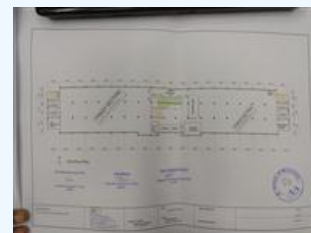
Non-Compliance Level:	2	
Description:	No design code is mentioned in the available documents. Structural documentation indicating general conformance with 2006 BNBC or other comparable applicable international model building code cannot be produced.	
Source of Findings:	Document Review: Review of design document does not clearly show conformity with codes.	
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:	23 Jul 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:		
Description:	The building is constructed before 2006. Construction year: 1996-97;	
Source of Findings:	Document Review: The building is constructed before 2006.	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:	2	
Description:	The design documents do not provide enough information, so the building's ability to resist wind loading cannot be determined.	
Source of Findings:	Document Review: The design documents reveal no credible information that could be used to determine the building's resistance to wind loading.	
Suggested Plan of Action:	Engage a qualified structural engineer to confirm satisfactory structural performance of the buildings under wind loading.	



Suggested Deadline Date:	23 Jul 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:	No Preliminary Structural Assessment was conducted previously.	
Source of Findings:	Document Review: No evidence has been found on previous Preliminary Structural Assessment.	
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:	There is no evidence of previous expansion of the structure.	
Source of Findings:	Document Review: Document Review show that there is no extension of the building/s beyond the original construction. , Visual Assessment: Visual Inspection show that there is no extension of the building/s beyond the original construction.	
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 structure is a Intermediate moment resisting frame (IMRF) structure with infilled masonry.
Source of Findings:	Document Review: Available design documents show that, the structure is a Intermediate moment resisting frame structure with infilled masonry., Visual Assessment: Visually the structure is a Intermediate moment resisting frame structure with infilled masonry.
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 structure is a regular RCC moment resisting frame structure.
Source of Findings:	Document Review: Available documents show that, the structure is a regular RCC moment resisting frame structure., Visual Assessment: The structure is a regular RCC moment resisting frame structure.
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:	As there are several bays of moment resisting frames in both directions, there is redundancy in lateral load path.
Source of Findings:	Document Review: Available structural documents show that, there are several bays of moment resisting frames in both directions, so there is redundancy in lateral load path. , Visual Assessment: As there are several bays of moment resisting frames in both directions, there is redundancy.





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:	By preliminary calculation FoS for the columns found to be adequate enough: ** Considered compressive strength: 2500 psi for stone chips. ** Rabar yield strength : 40 Ksi 1. FoS of central columns: 2.26, 2. FoS of corner columns: 2.66, 3. FoS of edge columns: 2.31; ** Considered minimum compressive strength: 2370 psi for stone chips. ** Rabar yield strength : 40 Ksi 1. FoS of central columns: 2.18, 2. FoS of corner columns: 2.58, 3. FoS of edge columns: 2.24.
Source of Findings:	Uploaded Document: By preliminary calculation FoS for the columns found to be adequate enough.
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:	Results of ferro-scanning for confirmation of steel rebar in the columns of the lowest tier were satisfactory.
Source of Findings:	Visual Assessment: By accomplishing NDT test, results of ferro-scanning for confirmation of steel rebar in the columns of the lowest tier were satisfactory.
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:	As per structural documents, dead load is considered as 80 psf, live load is 100 psf and floor finish is 20 psf for typical floor slab.	
Source of Findings:	Document Review: As per structural documents, dead load is considered as 80 psf, live load is 100 psf and floor finish is 20 psf for typical floor slab.	
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:	1	
Description:	No evidence was found regarding heavy equipment, water tanks, and stored material etc. Overhead water tanks are documented.	
Source of Findings:	Visual Assessment: No evidence was found regarding heavy equipment, water tanks, and stored material etc.	
Suggested Plan of Action:	Engage a qualified structural engineer to confirm and document that provisions have been made to accommodate concentrated loads. If provisions have not been made, have a qualified structural engineer develop a remediation plan.	
Suggested Deadline Date:	23 Jul 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/m2 (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:		
Description:	No evidence found on the matter that load capacity exists in density of operations, storage of materials or equipment wights require live load capacity in excess of 2.0 kN/m2 (42 psf).	
Source of Findings:	Document Review: No evidence found on the matter that load capacity exists in density of operations, storage of materials or equipment wights require live load capacity in excess of 2.0 kN/m2 (42 psf).	
Suggested Plan of Action:		
Suggested Deadline Date:		
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:	2	
Description:	Dampness has been observed on the third floor masonry wall surface and the ceiling beside the toilet zone. Dampness has also been found on the ground floor ceiling.	
Source of Findings:	Visual Assessment: Dampness has been observed on the third floor masonry wall surface and the ceiling beside the toilet zone. Dampness has also been found on the ground floor ceiling.	
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:	23 Jul 2014	
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:	Exterior facade is free from cracking.	
Source of Findings:	Visual Assessment: By visual assessment it has been found that the exterior facade is free from cracking.	
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 joints provided in whole structure.	
Source of Findings:	Document Review: No expansion joint has been observed in structural documents., Visual Assessment: Visually no expansion joints has been found.	
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:	No expansion joints provided in whole building.	
Source of Findings:	Visual Assessment: No expansion joints provided in whole building.	
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:	The building is free of active signs of water intrusion or ponding due to lack of performance of the façade system.	
Source of Findings:	Visual Assessment: The building is free of active signs of water intrusion or ponding due to lack of performance of the façade system.	



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:	The performance of key structural elements such as columns, slender columns, flat plates and transfer structures are satisfactory.	
Source of Findings:	Document Review: The performance of key structural elements such as columns, slender columns, flat plates and transfer structures are satisfactory., Visual Assessment: The performance of key structural elements such as columns, slender columns, flat plates and transfer structures are satisfactory.	
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:	The whole structural system is free of settlement cracking, excessive perimeter separations, and unlevel floors attributable to foundation settlements.	
Source of Findings:	Visual Assessment: The whole structural system is free of settlement cracking, excessive perimeter separations, and unlevel floors attributable to foundation settlements.	
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:	The structural system is free of deflections (sagging), rotations (twisting), perceivable vibrations, or other noticeable movements of the structure.	
Source of Findings:	Visual Assessment: The structural system is free of deflections (sagging), rotations (twisting), perceivable vibrations, or other noticeable movements of the structure.	
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:	The structural system is free of distress, separations, or cracking that indicates lack of performance or overstress of the lateral load-carrying system.	
Source of Findings:	Visual Assessment: The structural system is free of distress, separations, or cracking that indicates lack of performance or overstress of the lateral load-carrying system.	
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:	There is no visual sign of distress, settlement, shifting or craking in column or wall.	
Source of Findings:	Visual Assessment: There is no visual sign of distress, settlement, shifting or craking in column or wall.	



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:	No repair to correct structural deficiencies or reinforce the existing structure has been found.	
Source of Findings:	Visual Assessment: No repair to correct structural deficiencies or reinforce the existing structure has been found.	
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:	1	
Description:	Masonry-chip aggregate concrete (MCAC) was used in slab and beam of the building.	
Source of Findings:	Visual Assessment: Masonry-chip aggregate concrete (MCAC) was used in slab and beam of the building.	
Suggested Plan of Action:	Have a qualified structural engineer assess the durability aspects as suggested in Alliance Standard Part 7 Section 7.2 and take appropriate remedial measures.	
Suggested Deadline Date:	03 Sep 2014	
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 structural members constructed with MCAC have not been investigated by an appropriate program of in-situ testing and representative destructive testing or core samples. The column stress was calculated taking into account the strength of concrete either from the standard or from the test result of NDT, does not show any overstress.
Source of Findings:	Visual Assessment: 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. The column stress was calculated taking into account the strength of concrete either from the standard or from the test result of NDT, does not show any overstress.
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:	2
Description:	The rooftop is constructed with MCAC and is exposed to rainfall, but it is not water sealed with a protective coating to prevent water intrusion.
Source of Findings:	Visual Assessment: The rooftop is constructed with MCAC and is exposed to rainfall, but it is not water sealed with a protective coating to prevent water intrusion.
Suggested Plan of Action:	Provide a protective coating at the structural elements. Provide protective coating or a two percent slope to avoid water intrusion.
Suggested Deadline Date:	23 Jul 2014
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:	There is a steel stair adjacent to the building and its free of corrosion and physical damage.
Source of Findings:	Visual Assessment: There is a steel stair adjacent to the building and its free of corrosion and physical damage.
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:	No post-tensioned reinforced concrete systems or elements have been found.
Source of Findings:	Document Review: No post-tensioned reinforced concrete systems or elements have been documented. , Visual Assessment: No post-tensioned reinforced concrete systems or elements have been found during the site inspection.
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:	The structure is free from major/progressive distress.
Source of Findings:	Visual Assessment: The structure is free from major/progressive distress.
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 on the first floor are not properly braced and anchored.	
Source of Findings:	Visual Assessment: Racks on the first floor are not properly braced and anchored.	
Suggested Plan of Action:	Adequately anchor and brace all non-structural elements to resist earthquake forces to comply with the BNBC and Alliance Standards.	
Suggested Deadline Date:	03 Sep 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 renovated/expanded yet.	
Source of Findings:	Document Review: The building is not renovated/expanded yet., Visual Assessment: The building is not renovated/expanded yet.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 9 Construction Practices and Safety.	
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:	2	
Description:	No Load Plan has been prepared.	



Source of Findings:	Document Review: Documents on Load Plans are not available.	
Suggested Plan of Action:	Have a qualified structural engineer to develop Floor Loading Plans per the requirements of Alliance Standards Part 8 Section 8.20.5.3	
Suggested Deadline Date:	23 Jul 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:	2	
Description:	No Floor Load Plan has been prepared yet.	
Source of Findings:	Document Review: Documents on Load Plans are not prepared yet.	
Suggested Plan of Action:	Have a qualified structural engineer to prepare Load Plans including the information required in section 8.20 of the Alliance Standard.	
Suggested Deadline Date:	23 Jul 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:	No Floor Load Plan have been prepared yet.	
Source of Findings:	Document Review: No Floor Load Plan have been prepared yet.	
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:	2	
Description:	Storage of work materials and work products are not marked to indicate the	



	acceptable loading limit. Further, Floor Load Plans are not available in the floor.
Source of Findings:	Document Review: No Floor Load Plan is available in the floor.
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:	23 Jul 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:	The live loads may be in compliance with the floor live load based on our simple calculation. There is no program available to manage floor and roof live loads.
Source of Findings:	Document Review: No evidence of such a program has been documented.
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:	09 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:	Factory Load Manager is not available in the factory.
Source of Findings:	Document Review: The HR file of the Factory Load Manager has not been found in the submitted document., Visual Assessment: The presence of Load Manager is not evident.
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.

Factory Name: **LENNY FASHIONS LIMITED(UNIT-2)**

Address: **SFB-1,DHAKA EXPORT PROCESSING ZONE,, GANAKBARI,, SAVAR, DHAKA, 0, 1349, BD SAVAR SAVAR Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **07 May 2014**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

Suggested Deadline Date:	09 Jul 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:	There are no post tensioned reenforced concrete systems available.	
Source of Findings:	Document Review: There are no post tensioned reenforced concrete systems available.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 8 Section 8.26 Durability and Maintenance	