

INITIAL STRUCTURAL INTEGRITY ASSESSMENT REPORT (SIAR)

Factory Name: **That's It Garments Ltd**
Address: **Nishat Nagor Tongi, Gazipur Tongi, Gazipur Dhaka
Bangladesh**
Assessor: **Emkay Enterprises LTD**
Date: **07 Jun 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:	That's It Garments Ltd
Address:	Nishat Nagor Tongi, Gazipur Tongi, Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Tongi, Gazipur
Zip Code:	1711
Audit Duration:	1 Days 7 Hours
Re-Audit:	Re-Audit After 0 Months
Draft Report Date :	10/07/2014
Final Report Date :	10/13/2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex :	3-Buildings in complex.
Number of Building Levels (Stories) :	All are single storied buildings.
Approximate Building Area (SF) :	Total Building Area-66558 (SF). Building-1(Sewing Section)- 32235 (SF); Building-2(Cutting , BS, Store Section)- 11823 (SF); Building-3(Bonded ware house)- 22500(SF).
Date of Building Construction :	Building-1(Sewing Section): 1963; Building-2(Cutting , BS, Store Section): 1963; Building-3(Bonded ware house): 2011-12.
Date of Last Building Renovation/Addition :	No addition in the buildings as informed by the factory
Is the Building mixed use?:	No
Ancillary Structures in Complex :	5-Ancillary structures in complex.
Number of Ancillary Levels (Stories) :	All are single storied buildings.
Approximate Ancillary Structures Area (SF) :	Total area-2564 (SF) APPX, Medical center- 764 (SF); Generator room -500(SF); Prayer Room- 400 (SF); Child care- 300(SF); Compressor Room- 600 (SF) APPX

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FOR BANGLADESH WORKER SAFETY

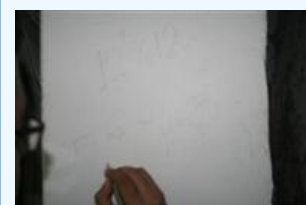
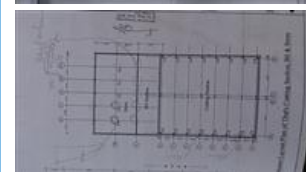
Number of Occupants :	Total worker in all functional floor area- 1025
Exterior Facade Description :	Brick masonry wall with interior and exterior plaster finish and paint
Structural System Description :	Building 1- Steel Truss and steel column framing system with isolated column footing; Building 2- Steel Truss and steel column and RCC column framing system with isolated column footing; Building 3- RCC column and corrugated curve roof top shed with isolated column footing.



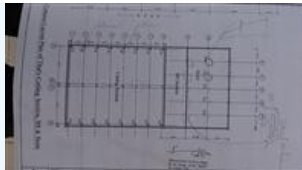
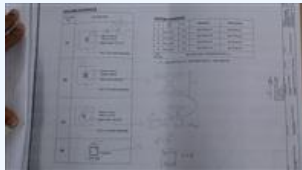
ASSESSMENT FINDINGS

Structural System Design

Question:	Are credible structural design documents available for review and kept on site?
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Alliance Standard Part 8 Section 8.19 Required Structural Documentation for New and Existing Factories: are available. The factory authority submitted as built drawings of bldg 1 & 2. But the column sections, the re-bar of RCC columns do not match with the field inspection
Source of Findings:	Photograph: As built drawing of main building, As built drawing of bonded ware house, As built drawing of medical center
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:	15 Nov 2014
Standard:	Alliance Standard Part 8 Section 8.19 Required Structural Documentation for New and Existing Factories
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:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment: Ferro-scanning results does not match with the provided structural design documents. The reinforcement numbers in RCC columns of building 2 do not match with the drawings that provided
Source of Findings:	Photograph: Column inspected, Column inspected 2



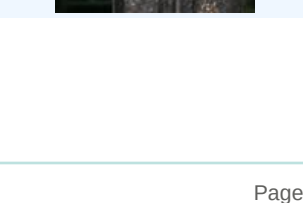


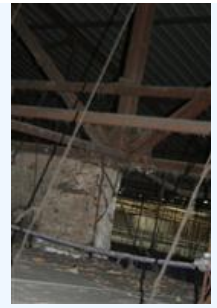
Suggested Plan of Action:	Revise the as built drawings and engage qualified engineer to perform assessment of existing conditions.	 
Suggested Deadline Date:	15 Nov 2014	
Standard:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment	
Question:	Are Certificates of Occupancy available for review?	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	No occupancy certificate found.	
Source of Findings:	Document Review: Not found.	
Suggested Plan of Action:	Provide Certificates of Occupancy for review.	
Suggested Deadline Date:	15 Nov 2014	
Standard:	Alliance Standard Part 8 Section 8.3 Preliminary Structural Assessment	
Structural System Construction		
Question:	Are structural steel members free of corrosion, physical damage or other types of deterioration?	 
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Alliance Standard Part 8 Section 8.26 The roof truss system is fully corroded and partially column sections are corroded. Steel overhead tank is fully corroded.	
Source of Findings:	Photograph: Corroded section, Corroded section 1, Column roof truss system, Corroded and damaged joints and bolts, partially maintained sections, corroded steel water tank, Visual Assessment: Site visit 7 June, 2014	
Suggested Plan of Action:	Complete further testing on areas of deterioration and have a qualified structural engineer develop a remediation plan	



Suggested Deadline Date:	15 Nov 2014	   
Standard:	Alliance Standard Part 8 Section 8.26	
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:	Alliance Standards Part 8 Section 8.18 Seismic Bracing of Key Non-Structural Elements and 2006 BNBC Part 6 Some unbraced pipes and unbolted steel racks with floor were found. The storage racks of Building 3 are not anchored to resist earthquake loading.	
Source of Findings:	Photograph: Unbraced of pipes, non-anchored steel rack with floor, only one sided bracing of steel rack, Visual Assessment: Site visit 7 June, 2014	
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:	15 Nov 2014	



Standard:	Alliance Standards Part 8 Section 8.18 Seismic Bracing of Key Non-Structural Elements and 2006 BNBC Part 6	
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:	1	
Description:	There are some findings of dampness and extensive corrosion on all roof trusses all through the structures. steel overhead water tank is fully corroded.	
Source of Findings:	Photograph: dampness, dampness 1, dampness 2. Corroded section, Corroded sections, Corroded section 1, all through corroded truss, Corroded and damaged joints and bolts, corroded steel water tank 1, corroded steel water tank 2	
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:	15 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:	2	
Description:	No program in place according to 2006 BNBC Part 6 Chapter 1 Section 1.4.6 and Alliance Standard Part 13 Section 13.7 and Part 8 Section 8.9.	
Source of Findings:	Visual Assessment: Site visit 7 June, 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:	15 Nov 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:	2	
Description:	Floor load plans have not been prepared according to Alliance Standards Part 8 Structural Design Section 8.10 Floor Loading Plans (Load Plans).	
Source of Findings:	Document Review: Not found.	
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:	15 Nov 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:	Alliance Standard Part 8 Section 8.20.5.3: No floor load plan was available to post.	
Source of Findings:	Visual Assessment: Site visit 7 June, 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:	15 Nov 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:	2	
Description:	Storage of work materials and work products are not marked according to Alliance Standards Part 8 Structural Design Section 8.11 Floor Load Markings are not according to the guideline	
Source of Findings:	Visual Assessment: Site visit 7 June, 2014	
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:	15 Nov 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:	
Description:	Alliance Standards Part 8 Section 8.9 Factory Load Manager There is no designated load manager for full time.
Source of Findings:	Document Review: Not found.
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:	15 Nov 2014
Standard:	Alliance Standards Part 8 Section 8.9 Factory Load Manager