



MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
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www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

All Points Industries, Inc.
 1590 NW 27th Avenue # 9
 Pompano Beach, FL 33069

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: All Points Solid-Set Anchors

APPROVAL DOCUMENT: Drawing No. 15-2923, titled "Solid-Set Anchors", sheet 1 of 1, dated 10/22/2015, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each box shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 11-0816.06 and consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
 03/14/2016

NOA No: 15-1201.01
 Expiration Date: December 21, 2016
 Approval Date: March 24, 2016
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **15-2923**, titled "Solid-Set Anchors", sheet 1 of 1, dated 10/22/2015, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS "Submitted under NOA # 11-0816.06"

	<u>Test Report No.</u>	<u>Standard</u>	<u>Date</u>	<u>Signature</u>
1.	CTC 11-004	ASTM E488-90	08/05/2011	Yamil G. Kuri, P.E.

"Submitted under NOA # 05-1116.04"

	<u>Test Report No.</u>	<u>Standard</u>	<u>Date</u>	<u>Signature</u>
2.	CTC 02-007A	ASTM E488	05/06/2002	George Dotzler, P.E.

C. CALCULATIONS

1. None.

D. MATERIAL CERTIFICATIONS

1. None.

E. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Engineering Express, dated 11/11/2015, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest issued by Engineering Express, dated 11/11/2015, signed and sealed by Frank L. Bennardo, P.E.



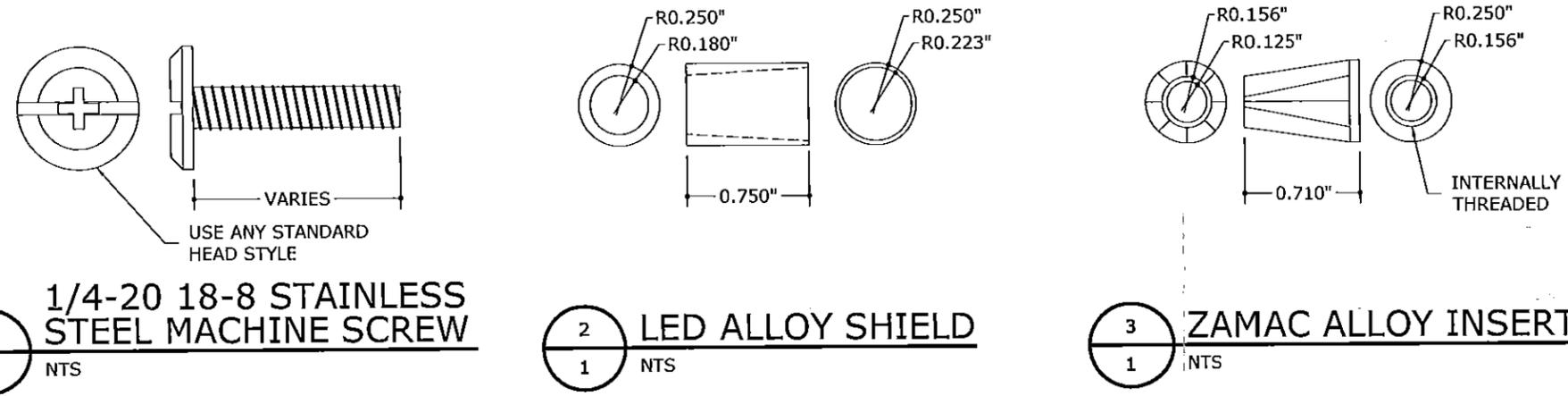
03/14/2016

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 15-1201.01
Expiration Date: December 21, 2016
Approval Date: March 24, 2016

V:\Projects\15-2923 Solid Set Machine Screw Anchor\WP15-2923c - Solid Set Machine Screw Anchor.dwg intern1 08/11/2016 - 3:46pm

**ALL POINTS
SOLID-SET ANCHORS**

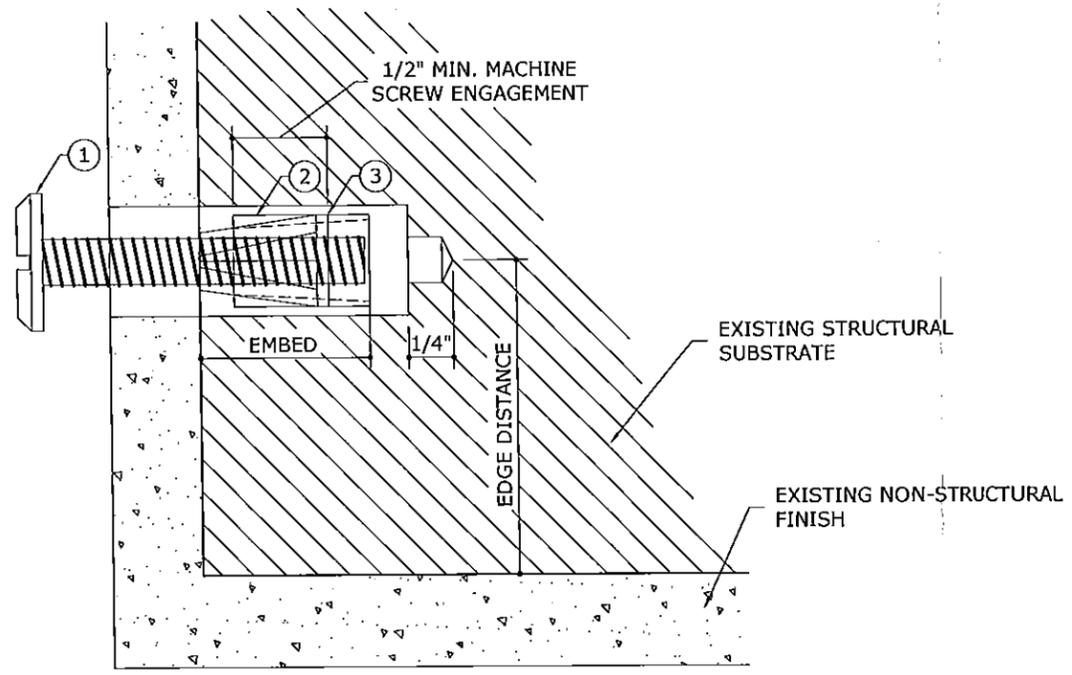
ALLOWABLE LOADS (LBS.)													
MIN. EMBED.	CONCRETE ($f_c = 3000$ PSI MIN.)						MIN. EMBED.	CMU ($f_m = 1800$ PSI MIN.)					
	EDGE DISTANCE							EDGE DISTANCE					
	1-1/4"		2"		3"			1-1/4"		2"		3"	
	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)		TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)
7/8"	328	187	428	429	544	565	7/8"	166	122	286	199.5	316	317.5



1 1/4-20 18-8 STAINLESS STEEL MACHINE SCREW
1 NTS

2 LED ALLOY SHIELD
1 NTS

3 ZAMAC ALLOY INSERT
1 NTS



4 SOLID-SET ASSEMBLY
1 NTS SECTION

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 15-1201.01
Expiration Date 12/21/2016
By *[Signature]*
Miami Dade Product Control

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED & TESTED ACCORDANCE WITH THE FLORIDA BUILDING CODE FIFTH EDITION (2014) FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE.
- ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS NOTICE OF ACCEPTANCE.
- CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS, WITH STRENGTH PROPERTIES AS SPECIFIED HEREIN. HOLLOW AND GROUT-FILLED CONCRETE BLOCK SHALL CONFORM TO ASTM C-90.
- SOLID-SET ANCHORS SHALL BE USED WITH 1/4-20 18-8 STAINLESS STEEL MACHINE SCREWS. MACHINE SCREWS REQUIRE A MINIMUM 1/2" ENGAGEMENT OF THREADS.
- ALLOWABLE LOAD SHOWN=ULTIMATE LOAD DIVIDED BY 4.0 FOR CONCRETE ANCHORS AND ULTIMATE LOAD DIVIDED BY 5.0 FOR MASONRY ANCHORS. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN PREPARATION OF THIS DOCUMENT.
- ANCHOR YIELD STRENGTH $F_y=122$ KSI, ANCHOR ULTIMATE STRENGTH $F_u=137$ KSI.
- ANCHOR CAPACITY AT SPECIFIC EDGE DISTANCE, EMBEDMENT, AND SPACING ARE BASED ON TEST RESULTS. EDGE DISTANCES, EMBEDMENT, AND SPACING BELOW THESE TABULATED VALUES ARE NOT ACCEPTABLE. INTERPOLATION BETWEEN THE SPACINGS LISTED IN THESE DESIGN TABLES IS PERMISSIBLE.
- ANCHOR SPACING SHALL BE 3" MIN FOR 100% TENSION AND SHEAR CAPACITY.
- ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE.
 - DRILL A PILOT HOLE AT LEAST 1/4" DEEPER THAN THE 1/2" HOLE.
 - CLEAN HOLES OF DEBRIS AND DUST BEFORE INSTALLATION OF ANCHOR.
 - ANCHORS SHALL NOT BE INSTALLED BEFORE THE CONCRETE HAS DEVELOPED ITS DESIGN STRENGTH.
 - ANCHORS SHALL NOT BE INSTALLED IN CRACKED CONCRETE AS DEFINED ON ACI 355.2.
- THESE PRODUCT DOCUMENTS ARE GENERIC AND DO NOT PERTAIN TO A SITE-SPECIFIC APPLICATION.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
- ANCHOR VALUES LISTED HEREIN ARE DETERMINED THROUGH TESTING REPORT DATA AND CHECKED FOR CONSISTENCY WITH EACH TEST PERFORMED.
- REFERENCE THE FOLLOWING TEST REPORTS: CONSTRUCTION TESTING CORPORATION REPORT NO. 02-007A DATED 05/06/02 AND REPORT NO. 11-004 DATED 07/29/2011 & REFERENCE WINGERTER LABORATORIES, INC. REPORT NO. 2 DATED 4/11/02 AND REPORT NO. 3

FRANK BENNARDO, P.E.
PE# 004580
02/11/2016
FRANK BENNARDO, P.E.
PE# 46549
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ALL POINTS SCREW, BOLT & SPECIALTY
1590 NW 27TH AVE. POMPANO BEACH, FL
(954) 984-0116
SOLID SET MACHINE SCREW ANCHOR
FL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	JAC	SPB	10/22/15

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15-2923

SCALE: N.T.S.

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