



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

**Porteous Fastener Company
1040 Watson Center Road
Carson, CA 90745**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Ultrawedge-Zinc Plated Steel Wedge Anchor.

APPROVAL DOCUMENT: Drawing No. **JH33104b**, titled "Ultrawedge-Zinc Plated Steel Wedge Anchor", sheet 1 of 1, prepared by Porteous Fastener Company, dated 07/05/06, with revision 1 dated 06/13/08, signed and sealed by Lee W. Mattis, 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 Division.

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", 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 # 04-0430.02 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



Signature
6/26/08

NOA No. 08-0131.01
Expiration Date: September 9, 2009
Approval Date: July 17, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **JH33104b**, titled "Ultrawedge-Zinc Plated Steel Wedge Anchor", sheet 1 of 1, dated 07/05/06, with revision 1 dated 06/13/08, prepared by Porteous Fastener Company, signed and sealed by Lee W. Mattis, P.E.

B. TESTS

	<u>Report No.</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1.	ARL 30189	ICBO AC 01	08/14/01	C. A. Hamon, P.E.
2.	ARL 30190	ICBO AC 01	01/23/02	C. A. Hamon, P.E.
3.	ARL 30191	ICBO AC 01	10/08/01	C. A. Hamon, P.E.
4.	ARL 30505	PA 114 App. E	12/18/03	C. A. Hamon, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

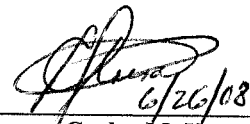
1. None.

F. STATEMENTS

1. Code compliance letter issued by Cel Consulting on 08/06/04, signed and sealed by L.W. Mattis, P.E.
2. No financial interest letter issued by U.S. Anchor Corporation on 07/07/04, signed by J.Hanley and notarized by K. Greider.
"Evidence Submitted under NOA # 04-0430.02"
1. Asset sales/purchase agreement between U.S. Anchor Corp. and Porteous Fastener Co., dated 08/31/04, signed by Hart McIntyre and Barry Porteous.
2. Distributor Agreement between Porteous Fastener Co. and Nanshan Development Co., dated 01/24/08, signed by Bob Porteous and Xu Huai Chong.

G. OTHER

1. Notice of Acceptance No. **04-0430.02**, issued to U.S. Anchor Corporation, approved on 09/09/04 and removed on 06/21/06.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-0131.01

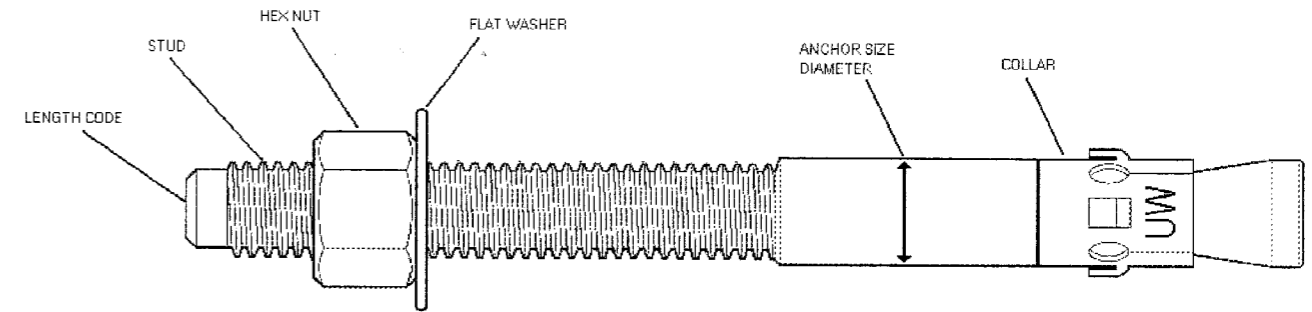
Expiration Date: September 9, 2009

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ULTRAWEDGE - Zinc Plated Steel Wedge Anchor

TABLE 1 - ALLOWABLE LOAD FOR PORTEOUS FASTENER ULTRAWEDGE WEDGE ANCHOR

Anchor Size (in)	Embedment Depth (in)	Critical Edge Distance (in)	Based on Concrete Strength $f'_c = 2000$ psi		Based on Concrete Strength $f'_c = 4000$ psi	
			Allowable Tension Load Value (lbs)	Allowable Shear Load Value (lbs)	Allowable Tension Load Value (lbs)	Allowable Shear Load Value (lbs)
1/4	1 1/8	3	354	363	507	363
	2 3/4		780			
3/8	1 1/2	4 1/2	584	-	807	-
	5		1,113			
1/2	2 1/4	6	969	-	1,672	-
	6		1,635			
5/8	2 3/4	7 1/2	1,357	2,882	2,466	2,882
	7		2,547			
3/4	3 1/4	9	2,203	-	3,371	-
	8		3,734			
7/8	3 7/8	10 1/2	3,011	-	4,331	-
	8 3/4		4,887			
1	4 1/2	12	3,642	4,149	5,973	4,149
	10		7,684			
1 1/4	5	15	3,736			
	10		10,109			



DESCRIPTION:

The Ultrawedge Anchor is used for heavy duty fastening applications where high pullout values are required. The anchor and the hole diameter are the same. The advanced design of the collar reduces the likelihood of the anchor "spinning". Proper installation requires cleaning out the hole. Install using a torque wrench set to the suggested level as provided in the instruction sheet. The Ultrawedge is used in a wide variety of structural applications.

General Notes:

- Values shown in Table 1 are allowable load values. Allowable loads are ultimate divided by 4.
- In order to achieve the allowable loads:
A minimum edge distance and spacing of 12 times the anchor diameter for installation in 2000 psi and 4000 psi concrete shall be observed. Concrete shall conform to ACI 301.
- Anchors shall be installed in accordance with Porteous Fastener published installation instructions.

TABLE 3 - DRILL BIT TOLERANCES
ANSI B-212.15-94

Anchor Diameter (in)	Minimum Diameter (in)	Maximum Diameter (in)
1/4	0.260	0.268
3/8	0.390	0.398
1/2	0.520	0.530
5/8	0.650	0.660
3/4	0.775	0.787
7/8	0.905	0.917
1	1.030	1.042
1 1/4	1.285	1.300

TABLE 4 - TORQUE REQUIREMENTS

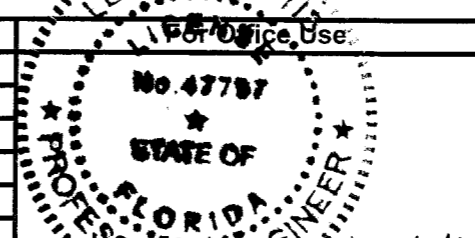
Anchor Diameter (in)	Torque Range (ft-lbs.)
1/4	5 - 10
3/8	25 - 30
1/2	50 - 60
5/8	75 - 90
3/4	150 - 175
7/8	200 - 250
1	250 - 300
1 1/4	400 - 450

TABLE 2 - LENGTH IDENTIFICATION SYSTEM CODE

Stamp On Anchors	A	B	C	D	E	F	G	H	I	J	K	L	M
Length Of Anchors (in)	From 1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2
	Up to but not including 2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8
Stamp On Anchors	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Length Of Anchors (in)	From 8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12	12 1/2	13	13 1/2	14
	Up to but not including 8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12	12 1/2	13	13 1/2	14	14 1/2

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 08-0131.01
Expiration Date 07/09/2009
By *[Signature]*
Miami Date Product Control Division

Rev No.	Revisions	Date
1	All references to U.S. Anchor replaced with Porteous Fastener. Product description revised.	6/13/2008



PC PORTEOUS FASTENER CO.
1040 Watson Center Road
Carson, CA 90745

Drawing Number	JH33104b	Sheet Number	1 of 1	Drawing Date	7/5/06
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Lee W. Mattioli 6/13/08