



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.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: US Anchor Drop-in

APPROVAL DOCUMENT: Drawing No. **PFC001**, titled "Drop-In Anchor, Notes & Anchor Details", Sheet 1 of 1, dated 09/26/08, with last revision B dated 04/07/09, prepared by Porteous Fasteners Co., signed and sealed by Kristina S. Daugherty, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval 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 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.**



Utrera
4/14/09

NOA No. 08-0320.07
Expiration Date: May 06, 2014
Approval Date: May 06, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **PFC001**, titled "Drop-In Anchor, Notes & Anchor Details", Sheet 1 of 1, dated 09/26/08, with last revision B dated 04/07/09, prepared by Porteous Fasteners Co., signed and sealed by Kristina S. Daugherty, P.E.

B. TESTS

1. Test report on Tension and Shear Resistance per ASTM E 488 of US Anchor Drop-In, prepared by C.E.L Consulting, Report No. **7P156**, dated 12/07/07, signed and sealed by Lee W. Mattis, P.E.
2. Corrosion Resistance Test per ASTM G 85 as noted in TAS 114(E), prepared by Applied Research Laboratories, Report No. **30505**, dated 12/18/03, signed and sealed by Christopher A. Hamon, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

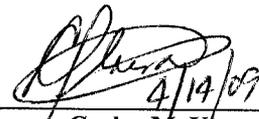
1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Change of engineer letter, dated 03/30/09, issued, signed and sealed by Kristina S. Daugherty, P.E.
2. No financial interest letter, dated 03/30/09, issued, signed and sealed by Kristina S. Daugherty, P.E.
3. Distributor agreement between Charng Yuh (Gau) Co.,Ltd, and Porteous Fastener Company, signed by Tsung-Ming Kao and Bob Porteous respectively.



Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 08-0320.07

Expiration Date: May 06, 2014

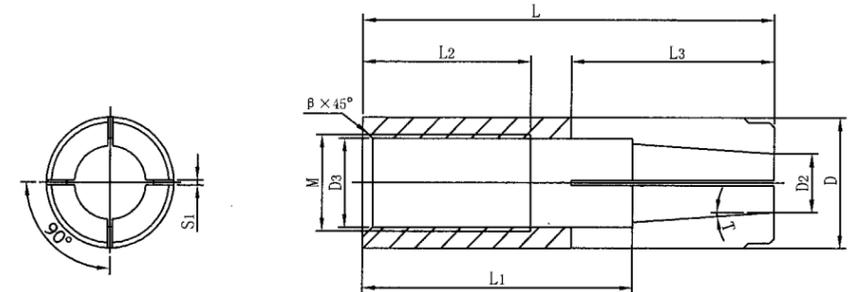
Approval Date: May 06, 2009

PORTEOUS FASTENER CO.

DROP-IN ANCHOR

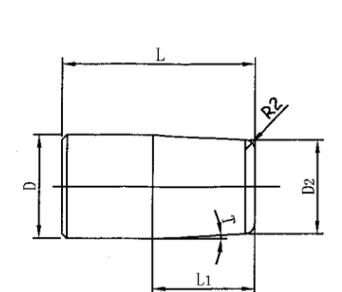


1 LONG SHIELD

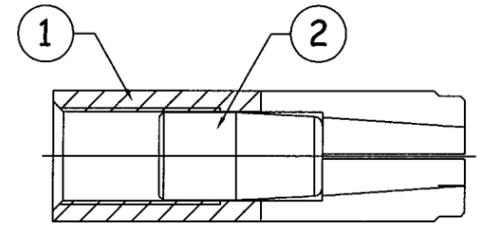


SIZE	D	L	S1	D2	D3	L1	L2	L3	β	T	M
U 3/8"	Ø0.50"	1.58"	0.06"	Ø0.22"	Ø0.32"	0.91"	0.60"	0.79"	1.2	3°30'	3/8-16 UNC
U 1/2"	Ø0.63"	2.00"	0.06"	Ø0.32"	Ø0.43"	1.07"	0.79"	1.00"	1.5	3°	1/2-13 UNC
U 5/8"	Ø0.88"	2.50"	0.10"	Ø0.43"	Ø0.54"	1.38"	1.19"	1.26"	1.5	2°30'	5/8-11 UNC
U 3/4"	Ø1.00"	3.19"	0.12"	Ø0.56"	Ø0.65"	1.97"	1.19"	1.60"	2.0	2°	3/4-10 UNC
TOL	±0.002"	±0.02"		0 -0.008"	+0.012" 0	0 -0.004"	+0.12" 0	+0.063" 0		±20'	

2 LONG INSERT



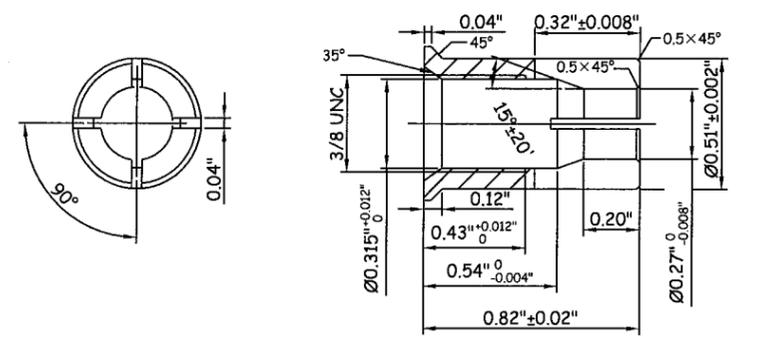
SIZE	D	D2	L	L1	T
3/8"	Ø0.32"	Ø0.28"	0.63"	0.29"	3°30'
1/2"	Ø0.41"	Ø0.37"	0.79"	0.42"	3°
5/8"	Ø0.54"	Ø0.49"	1.19"	0.59"	2°30'
3/4"	Ø0.65"	Ø0.61"	1.19"	0.63"	2°
TOL	0 -0.003"	0 -0.004"	±0.008"	±0.008"	±20'



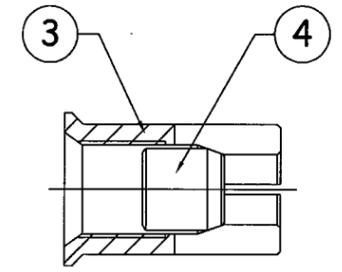
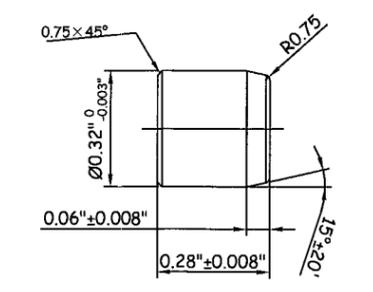
DROP-IN ANCHOR			
ALLOWABLE LOADS IN POUNDS (LBS.)			
ANCHOR DIA. (in)	EMBEDMENT DEPTH (in)	TENSION	SHEAR
*3/8"	3/16"	442	468
3/8"	1 1/2"	961	1164
1/2"	2"	1623	1729
5/8"	2 1/2"	1396	3193
3/4"	3 1/8"	3293	4776

* SHORT FLANGED DROP-IN ANCHOR

3 SHORT FLANGED SHIELD



4 SHORT INSERT



INSTALLATION NOTES:

- CLEAN HOLES OF DEBRIS AND DUST BEFORE INSTALLATION.
- ANCHORS SHALL NOT BE INSTALLED BEFORE CONCRETE HAS DEVELOPED DESIGN STRENGTH
- SOLID-SET ANCHORS SHALL BE USED WITH 1008 OR EQUIVALENT STEEL MACHINE SCREWS. MACHINE SCREWS REQUIRE A MINIMUM 1/2" ENGAGEMENT THREADS.
- CONCRETE SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE MANUAL OF CONCRETE PRACTICE ACI 301 WITH NORMAL WEIGHT AND A MINIMUM COMPRESSION STRENGTH (F_c) OF 3000 psi AT 28 DAYS.
- ALLOWABLE LOADS ARE BASED ON ULTIMATE DIVIDED BY 4.
- RECOMMENDED EDGE DISTANCE: FOR 100% EFFICIENCY, USE DIAMETER OF ANCHOR MULTIPLIED BY 14. FOR 50% EFFICIENCY, USE DIAMETER MULTIPLIED BY 7.
- RECOMMENDED CENTER TO CENTER DISTANCE: FOR 100% EFFICIENCY, USE 4 TIMES THE EMBEDMENT DISTANCE. FOR 50% EFFICIENCY, USE 2 TIMES EMBEDMENT DISTANCE.

GENERAL NOTES:

- THIS APPROVAL DOCUMENT REPRESENT PORTEOUS FASTENER CO DROP-IN ANCHOR ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION FOR HIGH VELOCITY HURRICANE ZONE (HVHZ) OF FLORIDA BUILDING CODE 2007.
- REFERENCE CEL CONSULTING TEST REPORTS REPORT NO. 7P156 DATED 12/07/07
- NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN PREPARATION OF THIS DOCUMENT.
- THESE PRODUCT DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION.
- USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
- ANY MODIFICATION OR ADDITION TO THESE APPROVAL DOCUMENTS ARE NOT PERMITTED
- LOCATION OF MANUFACTURING: YUYAO NANSHAN DEVELOPMENT CO. LTD. INDUSTRIAL PARK WUMA VILLAGE, LUBU TOWN YUYOU CITY, ZHEJIANG, CHINA

TITLE: DROP-IN ANCHOR NOTES & ANCHORS DETAILS

PREPARED FOR: PORTEOUS FASTENERS Co. 1040 WATSON CENTER ROAD CARSON, CA 90745
PH: 310.949.9180 FX: 310.835.0415

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	ADDED LOCATION OF MANUF.	JLR	03.18.09
B	CONVERTED MM TO INCHES	JLR	04.07.09

Handwritten signature and date: 4-7-09

KRISTINA S. DALCHERTY
FLORIDA P.E. NO. 68485
1117 LIVINGSTON STREET
DADECO, FL 33275

Approved as complying with the Florida Building Code
Date: 05/06/2009
NOA#: 08-0320.07
Miami Dade Product Control Division
Handwritten signature

DATE: 09.26.08
DWN BY: GRN
CHK BY: HN
SCALE: NTS
DWG #: PFC001
SHEET: 1 OF 1