



MIAMI-DADE COUNTY
 DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
 AFFAIRS (PERA)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

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 and accepted by Miami-Dade County PERA-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. PERA 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: Drop-in Anchor

APPROVAL DOCUMENT: Drawing No. **PFC001**, titled "Drop-In Anchor, Notes & Anchor Details", Sheet 1 of 1, dated 09/26/2008, with last revision C dated 02/29/2012, prepared by Porteous Fasteners Company, signed and sealed by Hermes F. Norero, 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", unless otherwise noted herein.

LIMITATION: Anchors shall not be installed into cracked concrete as defined by ACI 355.2.

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 # **08-0320.07** 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.**



[Handwritten Signature]
 06/14/2012

NOA No. 12-0326.05
Expiration Date: May 06, 2014
Approval Date: June 21, 2012
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 C dated 02/29/2012, prepared by Porteous Fasteners Company, signed and sealed by Hermes F. Norero, P.E.

B. TESTS *"Submitted under NOA # 08-0320.07"*

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 12/07/2007, 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 12/18/2003, signed and sealed by Christopher A. Hamon, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

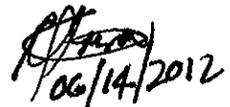
1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 02/29/2012, issued, signed and sealed by Hermes F. Norero, P.E.

"Submitted under NOA # 08-0320.07"

2. Distributor agreement between Charng Yuh (Gau) Co.,Ltd, and Porteous Fastener Company, signed by Tsung-Ming Kao and Bob Porteous respectively.



A handwritten signature in black ink, followed by the date "06/14/2012" written in a similar style.

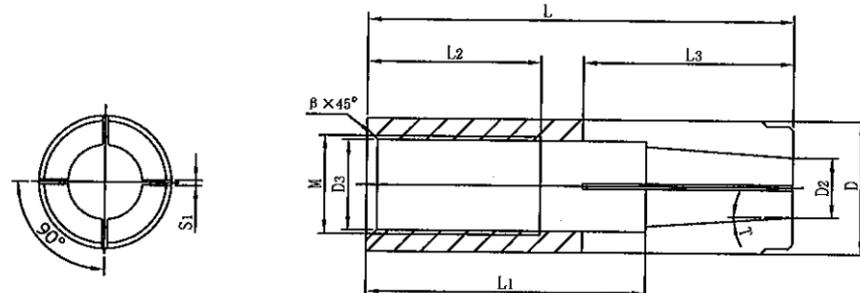
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0326.05
Expiration Date: May 06, 2014
Approval Date: June 21, 2012

PORTEOUS FASTENER CO.

DROP-IN ANCHOR

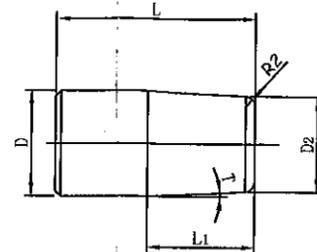


1 LONG SHIELD

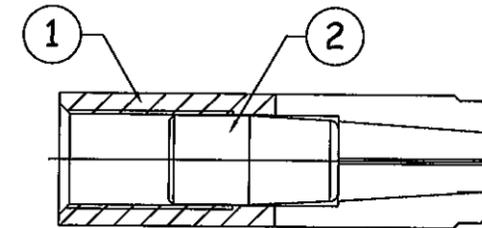


| SIZE | D | L | S1 | D2 | D3 | L1 | L2 | L3 | β | T | M |
|--------|---------|--------|-------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|-----|-------|------------|
| 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



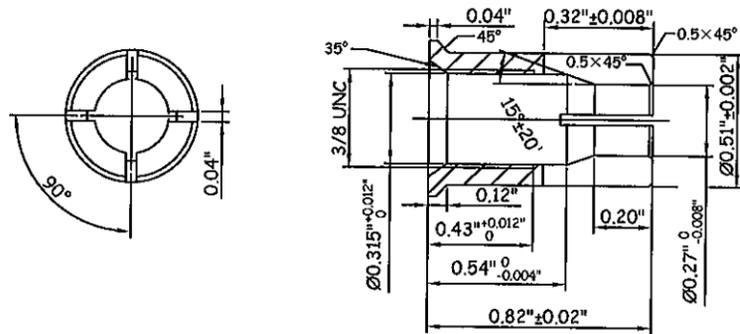
| SIZE | D | D2 | L | L1 | T |
|------|------------------------------------|------------------------------------|---------|---------|-------|
| 3/8" | Ø0.32" | Ø0.28" | 0.63" | 0.29" | 3°30' |
| 1/2" | Ø0.41" | Ø0.37" | 0.79" | 0.42" | 3° |
| 5/8" | Ø0.54" | Ø0.49" | 1.19" | 0.59" | 2°30' |
| 3/4" |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



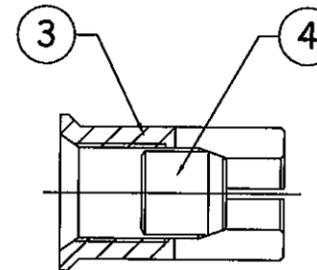
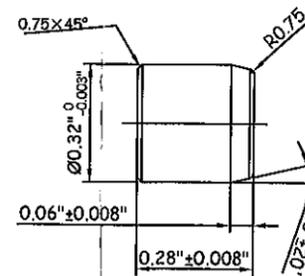
| DROP-IN ANCHOR | | | |
|----------------------------------|----------------------|---------|-------|
| ALLOWABLE LOADS IN POUNDS (LBS.) | | | |
| ANCHOR DIA. (in) | EMBEDMENT DEPTH (in) | TENSION | SHEAR |
| *3/8" | 3/16" | 442 | 468 |
| 3/8" | 1 1/2" | 961 | 1164 |
| 1/2" | 2" | 1623 | 1729 |
| 5/8"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

* SHORT FLANGED DROP-IN ANCHOR

3 SHORT FLANGED SHIELD



4 SHORT INSERT



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 2010.
- 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

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.

TITLE: DROP-IN ANCHOR
NOTES & ANCHORS DETAILS

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|-----|-----------------------------|-----|----------|
| A. | ADDED LOCATION OF MANUF. | JLR | 03.18.09 |
| B. | CONVERTED MM TO INCHES | JLR | 04.07.09 |
| C. | FBC 2010 CODE CHANGE UPDATE | JLA | 02.29.12 |

Signature: *[Handwritten Signature]*
DATE: 5-15-2012
PORTEOUS FASTENER CO.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PERMITS & INSPECTION DIVISION NO. 656278

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0326.05
Expiration Date 05/10/2014
By: *[Signature]*
Miami Dade Product Control

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

2/29/2012 8:56 AM
p:\projects\porteous fastener\ind-p-12-0219 (ind 2010 fbc code change)\dwg\pfc001_2010.rvt