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/economy

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

NOTICE OF ACCEPTANCE (NOA)

Porteous Fastener Company
5855 Obispo Avenue
Long Beach, CA 90805

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: Tapking Concrete Screw

APPROVAL DOCUMENT: Drawing No. **PFC002**, titled "Tapking Concrete Anchor, Notes & Anchor Details", sheet 1 of 1, dated 09/26/2008, with revision A dated 02/29/2012, prepared by Building Drops, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control renewal 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 **renews NOA # 12-0326.04** 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.**

MIAMI-DADE COUNTY APPROVED

05/07/2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS ***"Submitted under NOA # 12-0326.04"***

1. Drawing No. **PFC002**, titled "Tapking Concrete Anchor, Notes & Anchor Details", sheet 1 of 1, dated 09/26/2008, with revision A dated 02/29/2012, prepared by Building Drops, signed and sealed by Hermes F. Norero, P.E.

B. TESTS ***"Submitted under NOA # 08-0320.06"***

1. Test report on Tension and Shear Resistance per ASTM E 488 of 3/16" and ¼" Diameter Carbon Steel Tapking, prepared by C.E.L Consulting, Report No. **7P155**, dated 09/21/2007, 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 Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS ***"Submitted under NOA # 12-0326.04"***

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

"Submitted under NOA # 08-0320.06"

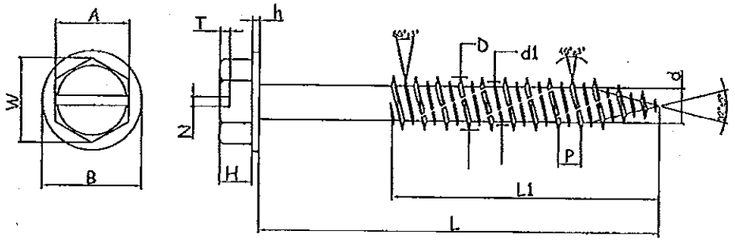
2. Distributor agreement dated 12/24/2007.

05/07/2019

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0325.02
Expiration Date: May 06, 2019
Approval Date: May 15, 2014

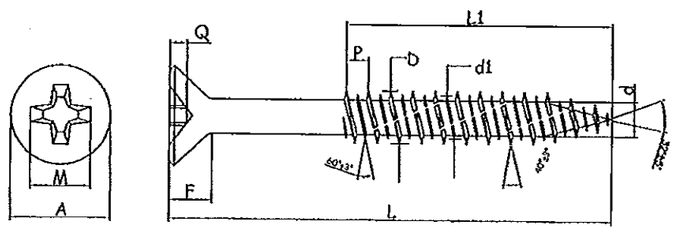
PORTEOUS FASTENER CO.

TAPKING CONCRETE ANCHOR



SLOTTED HEX WASHER HEAD CONCRETE ANCHOR

SIZE	H	A	W	B	h	N	T
3/16"	0.0964" 0.1102"	0.2440" 0.25"	0.2716" MIN	0.3228" 0.3464"	0.0196" 0.0307"	0.0448" 0.0539"	0.0519" 0.0740"
1/4"	0.1389" 0.1547"	0.3055" 0.3149"	0.3385" MIN	0.3976" 0.4330"	0.0220" 0.0389"	0.0559" 0.0669"	0.0771" 0.1023"



PHILIPS FLAT HEAD CONCRETE ANCHOR

SIZE	A	F	Q	P	d	M	D	d1	WIRE DIA
3/16"	0.3464" 0.3740"	0.1377" REF	0.1019" 0.1240"	0.1299" ±10%	0.1299" 0.1437"	0.2165" 0.2244"	0.1988" 0.2106"	0.1625" REF	0.1496" -0.0007"
1/4"	0.4566" 0.4921"	0.1771" REF	0.1311" 0.1555"	0.1456" ±10%	0.1712" 0.1811"	0.2755" 0.2834"	0.2440" 0.2559"	0.2007" REF	0.1889" -0.0007"

3/16" DIAMETER CARBON STEEL TAPKING ALLOWABLE LOADS (lbs)		
MIN 3000 P.S.I CONCRETE		
EMBEDMENT	2 1/2" EDGE DISTANCE	
	TENSION	SHEAR
1"	153	257
1 1/2"	320	267

1/4" DIAMETER CARBON STEEL TAPKING ALLOWABLE LOADS (lbs)		
MIN 3000 P.S.I CONCRETE		
EMBEDMENT	2 1/2" EDGE DISTANCE	
	TENSION	SHEAR
1"	123	211
1 1/2"	341	350

MATERIAL PROPERTIES	
1.	MATERIAL : C1022
2.	SURFACE HARDNESS : MIN 450 HV
3.	CORE HARDNESS : 240~450 HV
4.	CASE DEPTH : 0.10~0.23mm

LENGTH TOLERANCE
L=±1.5 mm
L≤1-3/4 L1= F/T
L>2" L1= 2/3T±2.0 mm
L≥3-1/4 L1=55±2.0 mm

GENERAL NOTES:

1. THIS APPROVAL DOCUMENTS REPRESENT PORTEOUS FASTENER CO CONCRETE 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.
2. CONCRETE WILL CONFORM TO AMERICAN CONCRETE INSTITUTE MANUAL OF CONCRETE PRACTICE ACI 301.
3. REFERENCE CEL CONSULTING TEST REPORTS: REPORT NO. 7P155 DATED 09/21/07
4. NO ALLOWABLE STRESS INCREASE HAS BEEN USED IN PREPARATION OF THIS DOCUMENT.
5. THESE PRODUCT DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION.
6. USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
7. ANY MODIFICATION OR ADDITION TO THESE APPROVAL DOCUMENTS ARE NOT PERMITTED

3/16" DIA. TAPKING

1. FOR 3/16" TAPKING, PILOT HOLE DIA. SHALL BE 0.171" AND DRILLED 1/4" LONGER THAN NECESSARY EMBEDMENT.
2. ALLOWABLE LOADS ARE BASED ON ULTIMATE TEST LOAD DIVIDED BY 4.
3. RECOMMENDED CENTER TO CENTER DISTANCE OF 3" IS REQUIRED FOR 100% EFFICIENCY AND 1 1/2" FOR 50% EFFICIENCY

1/4" DIA. TAPKING

1. FOR ALL 1/4" TAPKING, PILOT HOLE DIA. SHALL BE 0.200" AND DRILLED 1/4" LONGER THAN NECESSARY EMBEDMENT.
2. ALLOWABLE LOADS ARE BASED ON ULTIMATE TEST LOAD DIVIDED BY 4.
3. RECOMMENDED CENTER TO CENTER DISTANCE OF 4" IS REQUIRED FOR 100% EFFICIENCY AND 2" FOR 50% EFFICIENCY

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 14-0325.02
Expiration Date 05/06/2019
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0326.04
Expiration Date 05/06/2014
By
Miami Dade Product Control

PFC
FIRST CLASS SERVICE
PORTEOUS FASTENER COMPANY

TITLE: TAPKING CONCRETE ANCHOR NOTES & ANCHOR 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	FBC 2010 CODE CHANGE UPDATE	JLA	02.29.12

3-15-2012
NEREIDES E. NORDRO
BLUCRADLE E.N. 73778
120 W. FAIRBANKS AVE. STE. 428
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION No. 26575

DATE: 09.26.08
DWN BY: GRN
CHK BY: HN
SCALE: NTS

DWG #: PFC002

SHEET: 1 OF 1