



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
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/economy](http://www.miamidade.gov/economy)

**PrimeSource Building Products, Inc. (TX)**  
1321 Greenway Drive  
Irving, TX 75038

**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: Pro-Twist Concrete and Masonry Screws**

**APPROVAL DOCUMENT:** Drawing No. **PBP.12001**, titled "Pro-Twist Concrete and Masonry Screws", Sheet 1 of 1, dated 07/05/2012, with last revision dated 10/31/2012, prepared by Nu-Wind Engineering, signed and sealed by Christian Langley, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance (NOA) 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.

**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 and revises** NOA # **05-0526.03** 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]*  
10/07/2013

NOA No. 12-0809.02  
Expiration Date: October 4, 2017  
Approval Date: January 17, 2013  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawings No. **PBP.12001**, titled "Pro-Twist Concrete and Masonry Screws", Sheet 1 of 1, dated 07/05/2012, with last revision dated 10/31/2012, prepared by Nu-Wind Engineering, signed and sealed by Christian Langley, P.E.

**B. TESTS *"Submitted under NOA # 05-0526.03"***

1. Test report on Tension and Shear Strength of anchor in Concrete per ASTM E488 and in wood per ASTM D1761, prepared by Construction Testing Corporation, Test Report No. **06-010**, dated 03/31/2007, signed and sealed by Yamil G. Kuri, P.E.

**C. CALCULATIONS**

1. Evaluation of test results and dimensional tables prepared by Nu-Wind Engineering, dated 07/20/2012, signed and sealed by Christian Langley, P.E.

*"Submitted under NOA # 05-0526.03"*

2. Anchors capacity calculations, prepared R W Building Consultants, Inc., dated 06/29/2007 and 08/08/2007, signed and sealed by Wendell W. Haney, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS *"Submitted under NOA # 05-0526.03"***

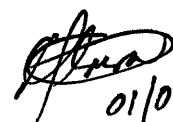
1. Test report on corrosion resistance per ASTM G-85, Annex 5, prepared by Testing Evaluation Laboratories, Inc, Test Report No. **TEL 05-0930-50**, dated 09/30/2005, signed by Vivian K. Wright.

**F. STATEMENTS**

1. Statement letters of code conformance to 2010 FBC and no financial interest issued by Nu-Wind Engineering, dated 08/02/2012, signed and sealed by Christian Langley, P.E.
2. Distributor agreement dated 08/20/2007.

*"Submitted under NOA # 05-0526.03"*

3. Code compliance and no financial letter issued by R W Building Consultants, Inc., dated 09/07/2007, signed and sealed by Wendell W. Haney, P.E.

  
01/07/2013

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-0809.02  
Expiration Date: October 4, 2017  
Approval Date: January 17, 2013

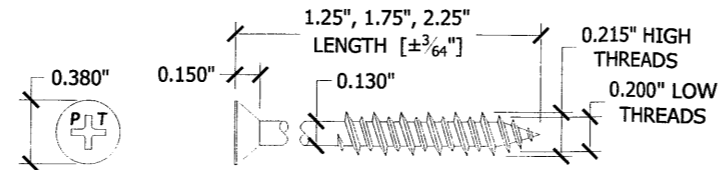


### COMPLIANCE SUMMARY

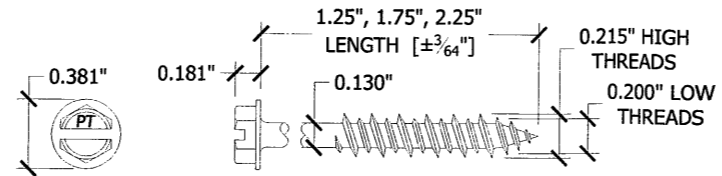
- CODE:** 2010 FLORIDA BUILDING CODE COMPLIANT
- HVHZ:** HVHZ COMPLIANT
- MATERIALS:** SAE 1018 OR SAE 1022 STEEL WITH CORROSION RESISTANT COATING
  - 3/16" SCREWS: Fu = 66.49 ksi  
Fy = 66.45 ksi
  - 1/4" SCREWS: Fu = 59.61 ksi  
Fy = 58.10 ksi

### GENERAL NOTES

- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- ALLOWABLE DESIGN LOAD CAPACITIES ARE BASED ON ULTIMATE LOAD DIVIDED BY SAFETY FACTOR AS FOLLOWS:
  - CONCRETE: SAFETY FACTOR = 4
  - MASONRY: SAFETY FACTOR = 5
  - WOOD: SAFETY FACTOR = 4
- SUBSTRATES SHALL CONFORM TO:
  - CONCRETE: ACI 318
  - MASONRY: ASTM C90
  - WOOD: SPECIFIC GRAVITY G=0.56 MIN
- ANCHORS SHALL NOT BE INSTALLED INTO CRACKED CONCRETE AS DEFINED IN ACI 355.2
- ALLOWABLE DESIGN LOAD CAPACITIES FOR WOOD SUBSTRATE ARE LESSER OF VALUES DETERMINED FROM TESTING (ASTM D1761) AND VALUES DETERMINED PER NDS-05 USING THE FOLLOWING SPECIFICATIONS:
  - SPECIFIC GRAVITY: SG = 0.55
  - SIDE MEMBER: Ls = 0.75"
  - MAIN MEMBER: Lm = 1.5"
  - PENETRATION: P = 1.0"
- FOR INSTALLATION TO WOOD SUBSTRATE, USE CODE-REFERENCED STANDARDS (e.g. NDS) WITH SPECIFIC MAIN MEMBER MATERIAL AND THREAD PENETRATION TO DETERMINE CONNECTION CAPACITY. IN NO CASE SHALL THE ANCHOR CAPACITY BE GREATER THAN ALLOWABLE LOADS SHOWN HEREIN.
- THIS PRODUCT EVALUATION DOCUMENT IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS APPROVAL AND APPLY FOR MIAMI-DADE COUNTY PRODUCT CONTROL ONE-TIME NOTICE OF ACCEPTANCE.



PHILLIPS FLAT HEAD

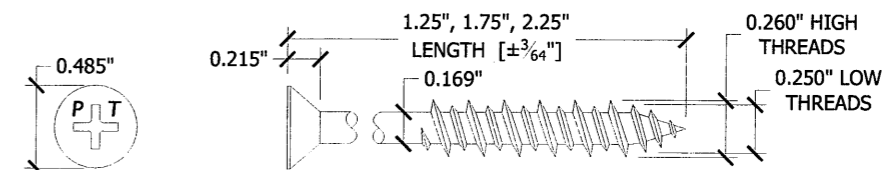


SLOTTED HEX WASHER HEAD

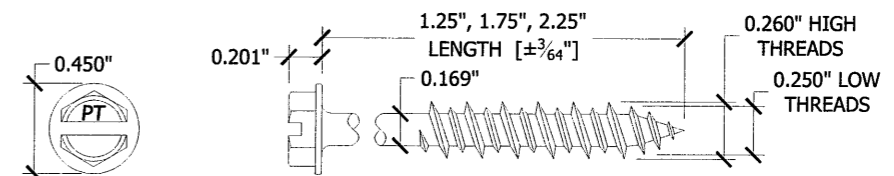
### 1 3/16" CONCRETE & MASONRY SCREWS

SCALE: 1:1 2-SIDED VIEWS

- ANCHOR SPACING: 3" MINIMUM
  - PILOT HOLE DIAMETER: 5/32" TYPICAL
  - PILOT HOLE DEPTH: 1/4" DEEPER THAN EMBEDMENT
- NOTE: USE PRIMESOURCE CARBIDE MASONRY BITS



PHILLIPS FLAT HEAD



SLOTTED HEX WASHER HEAD

### 2 1/4" CONCRETE & MASONRY SCREWS

SCALE: 1:1 2-SIDED VIEWS

- ANCHOR SPACING: 4" MINIMUM
  - PILOT HOLE DIAMETER: 3/16" TYPICAL
  - PILOT HOLE DEPTH: 1/4" DEEPER THAN EMBEDMENT
- NOTE: USE PRIMESOURCE CARBIDE MASONRY BITS

### ALLOWABLE DESIGN LOAD CAPACITIES

#### CONCRETE SUBSTRATE

NOMINAL DIAMETER	MINIMUM EMBEDMENT	MINIMUM EDGE DIST	ALLOWABLE CAPACITY PER ANCHOR			
			2000 PSI CONCRETE		3050 PSI CONCRETE	
			TENSION [ LBS ]	SHEAR [ LBS ]	TENSION [ LBS ]	SHEAR [ LBS ]
3/16"	1.00"	1.875"	131	234	208	235
	1.25"	1.875"	236		364	
	1.50"	1.875"	324	231	396	230
1/4"	1.00"	2.25"	132	262	207	298
	1.25"	2.50"	275		432	
	1.50"	2.25"	370	457	569	464

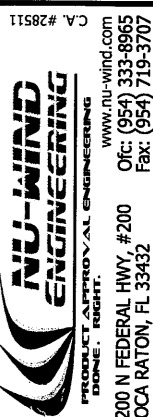
#### HOLLOW MASONRY BLOCK SUBSTRATE

NOMINAL DIAMETER	MINIMUM EMBEDMENT	MINIMUM EDGE DIST	ALLOWABLE CAPACITY PER ANCHOR	
			TENSION [ LBS ]	SHEAR [ LBS ]
3/16"	1.25	0.938"	198	133
	1.25	1.875"	169	186
1/4"	1.25	1.25"	277	160
	1.25	2.50"	310	363

#### WOOD SUBSTRATE (SG = 0.56 MIN)

NOMINAL DIAMETER	MINIMUM EMBEDMENT	MINIMUM EDGE DIST	ALLOWABLE CAPACITY PER ANCHOR	
			TENSION [ LBS ]	SHEAR [ LBS ]
3/16"	1.00"	0.75"	201	
	1.25"	0.75"	251	
	1.50"	0.75"	338	138
1/4"	1.00"	0.75"	221	
	1.25"	0.75"	296	
	1.50"	0.75"	372	208
	1.75"	0.75"	463	

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 12-0809.02  
 Expiration Date 10/04/2017  
 By *[Signature]*  
 Miami Dade Product Control



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DATE	DESCRIPTION	BY
7/5/12	INITIAL SUBMITTAL	CL
10/31/12	REVIEWER COMMENTS	CL



DRAWING NUMBER:  
**PBP.12001**

SHEET

1 OF 1