



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

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, Masonry and Wood Screws

APPROVAL DOCUMENT: Drawing No. **AD18-19**, titled "Pro-Twist Concrete and Masonry Screws", sheet 1 of 1, dated 07/13/2023, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, 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 # 21-0414.05** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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



NOA No. 23-0706.01
Expiration Date: October 4, 2028
Approval Date: August 10, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOAs

A. DRAWINGS “Submitted under NOA #12-0809.02”

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 “Submitted under NOA #12-0809.02”

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 “Submitted under NOA #12-0809.02”

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.
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.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0706.01
Expiration Date: October 4, 2028
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 17-1005.01

A. DRAWINGS

1. Drawing No. **AD18-19**, titled “Pro-Twist Concrete and Masonry Screws”, sheet 1 of 1, dated 03/16/2018, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letters of code conformance to the 6th edition (2017) FBC and of no financial interest issued by MCY Engineering, Inc., dated 03/27/2018, signed and sealed by Yiping Wang, P.E.
2. Testing contract letter issued by Hurricane Engineering & Testing Inc., dated 02/09/2018, signed by Waqar Ali.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0706.01
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under NOA # 18-1115.02

A. DRAWINGS

1. Drawing No. **AD18-19**, titled “Pro-Twist Concrete and Masonry Screws”, sheet 1 of 1, dated 01/22/2019, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

	<u>Test Report</u>	<u>Standard</u>	<u>Date</u>	<u>Signature</u>
1.	HETI-18-A1021	ASTM E488-15	10/01/18	Rafael E. Droz-Seda, P.E.
2.	HETI-18-C100	ASTM C39-18	07/31/18	Rafael E. Droz-Seda, P.E.
3.	HETI-18-C101	ASTM C39-18	08/06/18	Rafael E. Droz-Seda, P.E.
4.	HETI-18-S303	ASTM G85-11	02/15/19	Rafael E. Droz-Seda, P.E.
5.	HETI-18-S304	ASTM G85-11	02/15/19	Rafael E. Droz-Seda, P.E.
6.	HETI-18-M515	ASTM F606-16	09/26/18	Rafael E. Droz-Seda, P.E.
7.	HETI-18-M530	ASTM F606-16	09/26/18	Rafael E. Droz-Seda, P.E.

C. CALCULATIONS

1. Anchors capacity calculations prepared by MCY Engineering, Inc., dated 01/24/2019, signed and sealed by Yiping Wang, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by MCY Engineering, Inc., dated 01/24/2019, signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest issued by MCY Engineering, Inc., dated 01/24/2019, signed and sealed by Yiping Wang, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0706.01
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under NOA # 21-0414.05 and new

A. DRAWINGS

1. Drawing No. **AD18-19**, titled “Pro-Twist Concrete and Masonry Screws”, sheet 1 of 1, dated 07/13/2023, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) and the 8th Edition (2023) of the FBC and of no financial interest issued by MCY Engineering, Inc., dated 07/27/2023, signed and sealed by Yiping Wang, P.E.
2. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest issued by MCY Engineering, Inc., dated 04/13/2021, signed and sealed by Yiping Wang, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0706.01
Expiration Date: October 4, 2028
Approval Date: August 10, 2023

PRIMESOURCE BUILDING PRODUCTS, INC. PRO-TWIST CONCRETE AND MASONRY SCREWS

COMPLIANCE SUMMARY:

THIS PRODUCT COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/ 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

MATERIALS: SAE 1018 OR SAE 1022 STEEL WITH CORROSION RESISTANT COATING

3/16" SCREWS: $F_u = 189.1 \text{ ksi}$
 $F_y = 167.9 \text{ ksi}$

1/4" SCREWS: $F_u = 186.5 \text{ ksi}$
 $F_y = 170.9 \text{ ksi}$

GENERAL NOTES:

1- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATION.

2-ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.

3-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

4- SUBSTRATES SHALL CONFORM TO:

- CONCRETE: ACI 318
- MASONRY: ASTM C90
- WOOD: SPECIFIC GRAVITY SG=0.56 MIN.

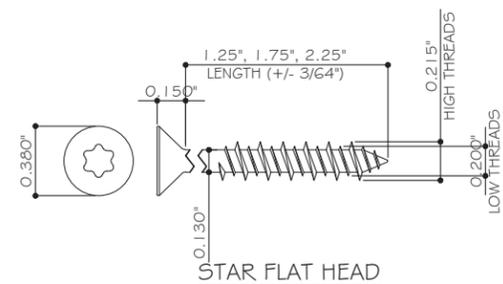
5-ANCHORS SHALL NOT BE INSTALLED INTO CRACKED CONCRETE AS DEFINED IN ACI 355.2.

6-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:

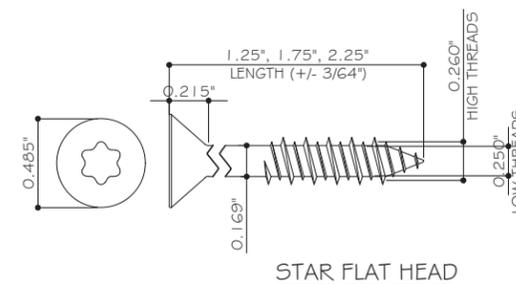
- SPECIFIC GRAVITY SG=0.56 MIN.
- SIDE MEMBER $L_s = 0.75"$
- MAIN MEMBER $L_m = 1.5"$
- PENETRATION $P_p = 1.0"$

7- 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 SHOW HEREIN.

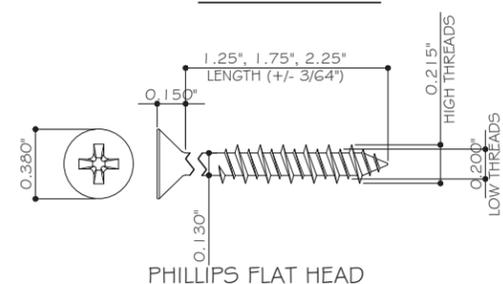
8- THIS PRODUCT EVALUATION DOCUMENT IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE-SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THE APPROVAL AND APPLY FOR MIAMI-DADE COUNTY PRODUCT CONTROL ONE-TIME NOTICE OF ACCEPTANCE.



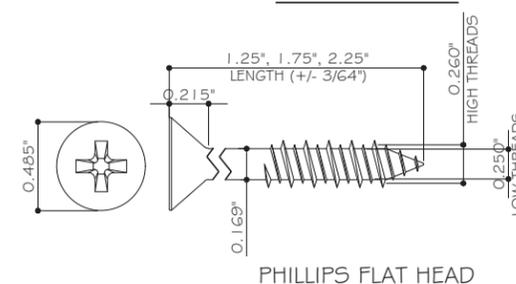
STAR FLAT HEAD



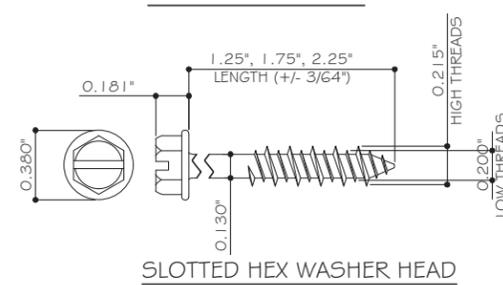
STAR FLAT HEAD



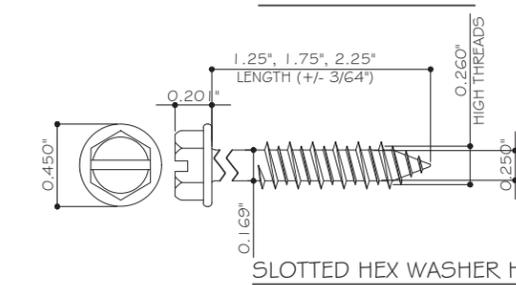
PHILLIPS FLAT HEAD



PHILLIPS FLAT HEAD



SLOTTED HEX WASHER HEAD



SLOTTED HEX WASHER HEAD

1 3/16" CONCRETE & MASONRY SCREWS

- ANCHOR SPACING: 3" MIN.
- PILOT HOLE DIAMETER : 5/32" TYP.
- PILOT HOLE DEPTH: 1/4" DEEPER THAN EMBEDMENT

NOTE: USE PRIMESOURCE CARBIDE MASONRY BITS

2 1/4" CONCRETE & MASONRY SCREWS

- ANCHOR SPACING: 4" MIN.
- PILOT HOLE DIAMETER : 3/16" TYP.
- PILOT HOLE DEPTH: 1/4" DEEPER THAN EMBEDMENT

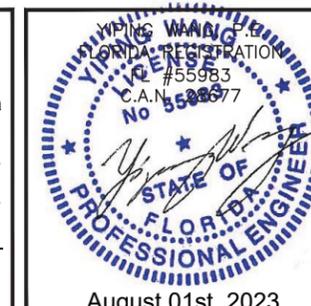
NOTE: USE PRIMESOURCE CARBIDE MASONRY BITS

WOOD SUBSTRATE (SG=0.56 MIN.)				
ALLOWABLE CAPACITIES PER ANCHOR				
NOMINAL DIAMETER (in)	MINIMUM EMBEDMENT (in)	MINIMUM EDGE DIST. (in)	TENSION (LBS)	SHEAR (LBS)
3/16	1	3/4	151	-
	1 1/4	3/4	195	-
	1 1/2	3/4	258	142
	1 3/4	3/4	308	-
1/4	1	3/4	137	-
	1 1/4	3/4	198	-
	1 1/2	3/4	252	247
	1 3/4	3/4	277	-

CONCRETE SUBSTRATE						
ALLOWABLE CAPACITIES PER ANCHOR						
NOMINAL DIAMETER (in)	MINIMUM EMBEDMENT (in)	MINIMUM EDGE DIST. (in)	2000 PSI CONCRETE		3000 PSI CONCRETE	
			TENSION (LBS)	SHEAR (LBS)	TENSION (LBS)	SHEAR (LBS)
3/16	1	1 7/8	125	197	206	258
	1 1/4	1 7/8	172	-	253	-
	1 1/2	1 7/8	293	254	371	273
	1 3/4	1 7/8	293	254	371	273
1/4	1	2 1/4	151	226	185	323
	1 1/4	2 1/2	222	-	298	-
	1 1/2	2 1/4	317	331	476	287
	2 1/4	1 1/4	-	-	298	-
	2 1/4	1	151	-	185	-
	2 1/2	1 1/4	222	-	-	-

HOLLOW MASONRY SUBSTRATE				
ALLOWABLE CAPACITIES PER ANCHOR				
NOMINAL DIAMETER (in)	MINIMUM EMBEDMENT (in)	MINIMUM EDGE DIST. (in)	TENSION (LBS)	SHEAR (LBS)
3/16	1 1/4	1	159	95
	1 1/4	1 1/4	127	-
	1 1/4	1 7/8	138	182
1/4	1 1/4	1 1/4	-	125
	1 1/4	2 1/2	161	251

MIAMI-DADE COUNTY
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0706.01
Expiration Date 10/04/2028
By *[Signature]*
Miami-Dade Product Control



PRO-TWIST CONCRETE & MASONRY SCREWS

PRIMESOURCE
BUILDING PRODUCTS, INC.
1321 GREENWAY DR. IRVING, TX 75038
TEL. (972)-999-8500

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com MCY@mcyengineering.com

Yr.	Rev.	Capacity into Concrete 3000 PSI	Add Star Drive Style	Renewal	Description
09/2017	R1				
04/2021	R2				
07/2023	R3				
Drawn Date	07.13.2023	Scale	AS SHOWN		
DRAWING NO. AD18-19					
1					
Sheet No. 01 OF 01					