



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
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

ITW Buildex
1349 West Bryn Mawr Avenue
Itasca, IL 60143

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: Tapcon SG and Sammy SSC Concrete Anchors

APPROVAL DOCUMENT: Drawing No. **04-ITW-0001**, Sheet 1 of 1, titled "Tapcon SG Screw and Sammy SSC Screw Concrete Anchors", dated 01/05/09, with last revision dated 12/30/08, prepared by Engineering Express, signed and sealed by Frank L. Bernnardo, 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 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 revises NOA # **06-0222.07** 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.**



[Signature]
 2/12/09

NOA No. 09-0121.18
Expiration Date: July 6, 2011
Approval Date: March 4, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **04-ITW-0001**, Sheet 1 of 1, titled "Tapcon SG Screw and Sammy SSC Screw Concrete Anchors", dated 01/05/09, with last revision dated 12/30/08, prepared by Engineering Express, signed and sealed by Frank L. Bernardo, P.E.

B. TESTS

	<u>Test Number</u>	<u>Test Name</u>	<u>Test Date</u>	<u>Test Certification</u>
1.	ARL-30498	ASTM E488	11/18/05	C. A. Hamon, P.E.
2.	ARL-30500	ASTM E488	11/18/05	C. A. Hamon, P.E.
3.	ARL-30499	ASTM E488	11/18/05	C. A. Hamon, P.E.
4.	ARL-30602	ASTM G85	11/18/05	C. A. Hamon, P.E.
5.	ARL-30503	ASTM E488	11/18/05	C. A. Hamon, P.E.
6.	ARL-30502	ASTM E488	11/18/05	C. A. Hamon, P.E.
7.	ARL-30501	ASTM E488	11/18/05	C. A. Hamon, P.E.
8.	ARL-30496	ASTM E488	11/18/05	C. A. Hamon, P.E.
9.	ARL-30497	ASTM E488	11/18/05	C. A. Hamon, P.E.

"Submitted under NOA # 06-0222.07"

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

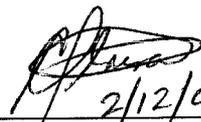
F. STATEMENTS

1. Code compliance letter issued by Engineering Express, dated 01/05/09, signed and sealed by Frank L. Bennardo PE.
2. No interest letter issued by Engineering Express, dated 02/13/06, signed and signed by Frank L. Bennardo, P.E.

"Submitted under NOA # 06-0222.07"

G. OTHER

1. Notice of Acceptance No. **06-0222.07**, issued to ITW Buildex, approved on 07/06/06 and expiring on 07/06/11.



Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 09-0121.18

Expiration Date: July 6, 2011

Approval Date: March 4, 2009

"TAPCON® SG" & "SAMMYS® SSC"

DIRECT MOUNT STORM PANEL ANCHORING SYSTEMS

FRANK L. BENNARDO, P.E.
PE0046549

01/05/2009

GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE) AND THE FOLLOWING STANDARDS: ASTM E488, ASTM D1761, ASTM G85, & TAS 114.
- 2) ANCHORS REPRESENTED HEREIN ARE MANUFACTURED FROM HEAT-TREATED STEEL AND SHALL HAVE CORROSION-RESISTANT COATINGS AS DESCRIBED BELOW:
TAPCON SG: ULTRASHIELD & WHITE ULTRASHIELD
SAMMY SSC: BLUE CLIMASEAL
- 3) ANCHOR INSTALLATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS NOTICE OF ACCEPTANCE.
- 4) CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS, WITH STRENGTH PROPERTIES AS SPECIFIED HEREIN. HOLLOW AND GROUT-FILLED CONCRETE BLOCK SHALL CONFORM TO ASTM C-90.
- 5) PILOT HOLES FOR ALL INSTALLATIONS SHALL BE 3/16"Ø WITH DEPTH 1/4" LONGER THAN INTENDED EMBEDMENT DEPTH.

ANCHORS TO CONCRETE

(MIN 3295 PSI)

ANCHOR	EMBED	1 1/4" EDGE DISTANCE		2 1/2" EDGE DISTANCE	
		TENSION	SHEAR	TENSION	SHEAR
1/4" TAPCON SG	1"	307 lb	335 lb	425 lb	583 lb
	1 3/4"	676 lb	344 lb	711 lb	655 lb
1/4" SAMMYS SSC	1"	383 lb	292 lb	506 lb	316 lb
	2 1/4"	743 lb	335 lb	775 lb	477 lb

ANCHORS TO HOLLOW BLOCK

(MIN 1500 PSI)

ANCHOR	EMBED	1 1/4" EDGE DISTANCE		2 1/2" EDGE DISTANCE	
		TENSION	SHEAR	TENSION	SHEAR
1/4" TAPCON SG	1 1/4"	489 lb	134 lb	485 lb	272 lb
1/4" SAMMYS SSC	1 1/4"	347 lb	///	357 lb	///

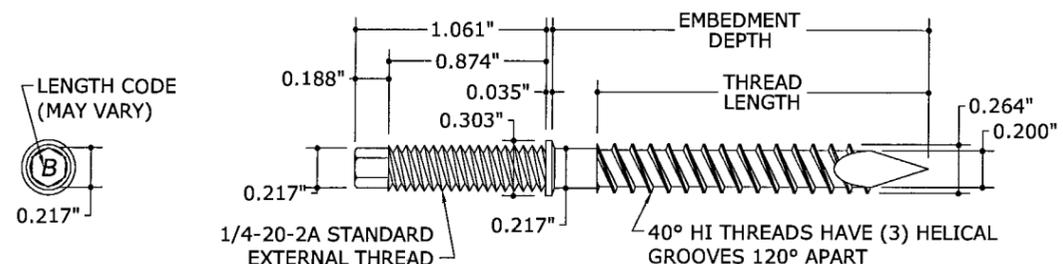
ANCHORS TO GROUT-FILLED BLOCK

(MIN 2000 PSI GROUT)

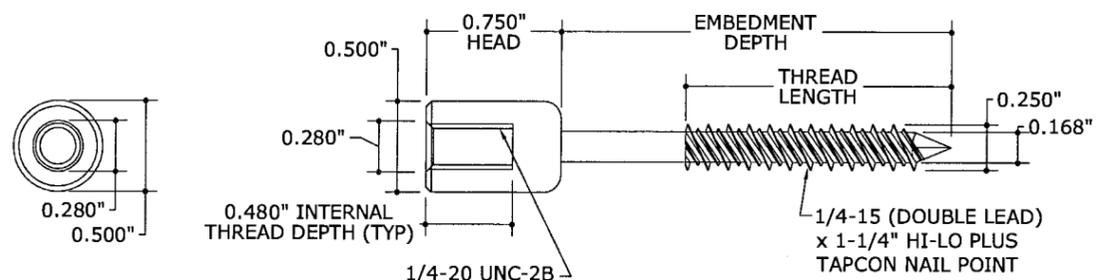
ANCHOR	EMBED	1 1/4" EDGE DISTANCE		2 1/2" EDGE DISTANCE	
		TENSION	SHEAR	TENSION	SHEAR
1/4" TAPCON SG	1 3/4"	834 lb	302 lb	945 lb	515 lb
1/4" SAMMYS SSC	2 1/2"	///	271 lb	///	///

CAPACITY TABLE NOTES:

- 1) DESIGN CAPACITIES SHOWN IN TABLES ABOVE HAVE BEEN DETERMINED USING A SAFETY FACTOR OF 4:1
- 2) EMBEDMENT DEPTH TO HOLLOW BLOCK AND GROUT-FILLED BLOCK IS THROUGH 1-1/4" FACE SHELL.
- 3) /// DESIGNATES CONDITIONS WHICH ARE NOT ACCEPTABLE FOR USE.
- 4) ANCHORS SHALL BE INSTALLED A MINIMUM OF 12 DIAMETERS ON CENTER FOR 100% ANCHOR CAPACITY (AS LISTED IN TABLES). SPACING MAY BE REDUCED TO 6 DIAMETERS ON CENTER PROVIDED THAT ANCHOR CAPACITIES ARE REDUCED TO 50% OF VALUES LISTED IN TABLES.
- 5) INTERPOLATION MAY BE USED FOR EDGE DISTANCE AND SPACING BETWEEN MINIMUM AND MAXIMUM DISTANCES SHOWN IN TABLES.



1 "TAPCON SG" SCREW
1 1:1 SCALE TOP & SIDE VIEWS



2 "SAMMYS SSC" SCREW
1 1:1 SCALE TOP & SIDE VIEWS

ENGINEERING EXPRESS®
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #8885
A FRANK L. BENNARDO, P.E., INC. INNOVATION

Buildex
Buildex Division of Illinois Tool Works, Inc.
1349 West Bryn Mawr Avenue
Itasca, IL 60143
SAMMY SCREW CONCRETE ANCHORS
SSC "SAMMY" (FEMALE) & SG "TAPCON" (MALE)
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	CL	FLB	2/13/06
BCCO COMMENTS	CL	FLB	5/26/06
REVISE FOR 07 FBC	TSB	CL	12/30/08

04-ITW-0001

SCALE: 1/2"

PAGE DESCRIPTION:

1

PRODUCT REVISED
on complying with the Florida Building Code
Approval No: 09-012178
Expiration Date: 07/06/2011
Miami-DADE Product Control Division