

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Simpson Strong-Tie Company, Inc.
4120 Dublin Boulevard Suite 400
Dubuque ,CA 94568

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Notice of Acceptance (NOA) of:

Concrete Expansion Anchors

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0820.06
EXPIRES: 08/17/2006



Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.



Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 10/04/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews the Notice of Acceptance No. 98-0608.09 which was issued on 11/26/98. It approves concrete anchors as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County. For the locations where the actual loads as determined by SFBC Chapter 23, do not exceed the allowable load indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Simpson Strong-Tie concrete anchors** shall be fabricated and used in strict compliance with the following documents: Drawing No MA-OF, titled "Mechanical Anchors", prepared by Simpson Strong-Tie Co., Inc. dated 10/15/98 sheet 1 of 1, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 Allowable loads are for Concrete of 2000 psi and 4000 psi compressive strength .

4. INSTALLATION

4.1 The concrete anchor shall be installed in strict compliance with the installation instructions published by Simpson Strong Tie.

5. LABELING

5.1 Each concrete anchors shall have a mark identifying the manufacturer and each box of anchors shall have a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT

6.1 Application for Building Permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings as identified in Section 2 of this Notice of Acceptance, clearly marked to show the hangers and angles selected for the proposed installation.

6.1.3 Any other document required by the Building Official or the SFBC in order to properly evaluate the installation of these products.



Candido Font, PE, Sr. Product Control Examiner
Product Control Division

Simpson Strong-Tie Co., Inc.

ACCEPTANCE NO: 01-0820.06

APPROVED: OCT 04 2001

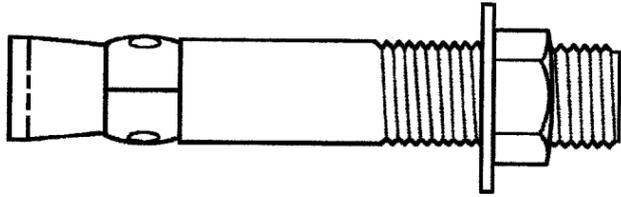
EXPIRES: 08/17/2006

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Candido Font, PE, Sr. Product Control Examiner
Product Control Division

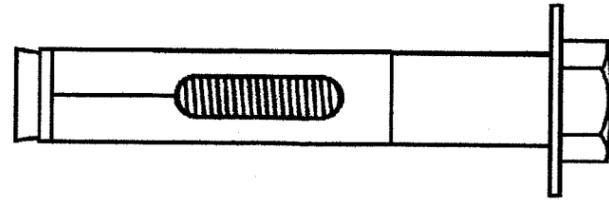
END OF THIS ACCEPTANCE



WEDGE-ALL ANCHOR. Manufactured from mild steel coated with commercial zinc plate.

WEDGE-ALL ANCHOR
Allowable loads in pounds

Anchor Dia. (in)	Embedment Depth (in)	2000 psi Concrete		4000 psi Concrete		Torque ft. lbs
		Tension	Shear	Tension	Shear	
1/4	1-1/8	170	313	238	-	8
1/4	1-1/2	-	-	540	-	8
1/4	2-1/4	450	-	586	-	8
3/8	1-5/8	437	569	718	-	30
3/8	2-1/2	833	-	1376	-	30
3/8	3-3/8	924	-	1335	-	30
1/2	2-1/4	915	1641	1322	-	60
1/2	3-3/8	1512	-	2462	-	60
1/2	4-1/2	1736	-	2957	-	60
5/8	2-3/4	1261	2177	2146	-	90
5/8	4-1/2	2092	-	3937	-	90
5/8	5-1/2	2005	-	3917	-	90
3/4	3-3/8	1890	2836	2492	-	150
3/4	5	2526	-	3937	-	150
3/4	6-3/4	2492	-	4247	-	150
7/8	3-7/8	2079	3438	2679	-	200
7/8	7-7/8	4264	-	5078	-	200
1	4-1/2	4281	5727	3923	-	300
1	9	5193	-	7513	-	300
1-1/4	5-5/8	3868	7327	6191	-	400
1-1/4	9-1/2	5038	-	12330	-	400

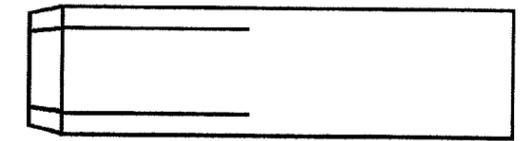


SLEEVE-ALL ANCHOR. Manufactured from mild steel coated with commercial zinc plate.

SLEEVE-ALL ANCHOR
Allowable loads in pounds

Anchor Dia. (in)	Embedment Depth (in)	2000 psi Concrete		4000 psi Concrete		Torque ft. lbs
		Tension	Shear	Tension	Shear	
1/4	1-1/8	240	357	336	-	5
5/16	1-1/2	312	542	332	-	8
3/8	1-3/4	406	766	671	-	15
1/2	2-1/4	793	1254	1186	-	25
5/8	2-3/4	1139	2131	1544	-	50
3/4	3-3/8	1735	2509	2381	-	90

- a) Allowable loads are based on ultimate divided by 4.
- b) Recommended edge distance. Diameter of anchor multiplied by 12.
- c) Recommended center to center distance. Two times the edge distance.



DROP-IN ANCHOR. Manufactured from mild steel coated with commercial zinc plate.

DROP-IN ANCHOR
Allowable loads in pounds

Anchor Dia. (in)	Embedment Depth (in)	2000 psi Concrete		4000 psi Concrete		Number of Blows
		Tension	Shear	Tension	Shear	
1/4	1	301	588	542	-	3
3/8	1-1/2	657	1037	990	-	3
1/2	2	800	1748	1560	-	4
5/8	2-1/2	1261	2767	2170	-	5
3/4	3	2664	5400	2750	-	8

- a) Allowable loads are based on ultimate divided by 4.
- b) Recommended edge distance. Diameter of anchor multiplied by 12.
- c) Recommended center to center distance. Two times the edge distance.

PRODUCT RENEWED

ACCEPTANCE No. 0170820.06

EXPIRATION DATE 08/17/2006

By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE November 26, 1998
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-0608-09

- a) Allowable loads are based on ultimate divided by 4.
- b) Recommended edge distance. Diameter of anchor multiplied by 12.
- c) Recommended center to center distance. Two times the edge distance.

Simpson Strong-tie Co., Inc.
4637 Chabot Drive
Pleasanton, CA 94588

Metropolitan Dade County - Product Approval

TITLE: **Mechanical Anchors**

DRAWING #: **MA—0F**

SHEET #: **1 OF 1**

DATE OF ISSUE & REVISION: **10/15/98**

NAME, DISCIPLINE & REGISTRATION OF P.E.:

**LEE W. MATTIS, CIVIL ENGINEER
REGISTRATION # 47797**

Lee W. Mattis
10/22/98