MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

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

Your application for Notice of Acceptance (NOA) of:
Epoxy Anchor Systems
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.: 01-1026.02
EXPIRES: 12/15/2006

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: 11/29/2001

Simpson Strong Tie Co. Inc.

ACCEPTANCE NO: 01-1026.02

APPROVED: NOV 2 9 2001

EXPIRES: 12/15/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an epoxy anchoring system 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 Epoxy Anchoring System** shall be fabricated and used in strict compliance with the following documents: Drawing No SETADHOF, titled "Set and Et adhesives", prepared by Simpson Strong –Tie Co., Inc., dated 11/11/98 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. or higher compressive strength.

4. INSTALLATION

4.1 The epoxy anchoring system shall be installed in strict compliance with the installation instructions published by Simpson Strong-Tie Co., Inc.

5. LABELING

5.1 Each box and container of epoxy anchoring system 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: 01-1026.02

APPROVED: _____

EXPIRES: 12/15/2006

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

SIMPSON STRONG-TIE SET & ET ADHESIVES

DESCRIPTION: IT IS A TWO-COMPONENT ADHESIVE (EPOXY) DESIGNED FOR ANCHORING STAINLESS STEEL THREADED RODS (ASTM A 193 - 137) INTO 2000 PSI OR HIGHER COMPRESSIVE STRENGTH CONCRETE. THE EPOXY TIE MEETS ASTM C 881-90 STANDARD SPECIFICATION FOR EPOXY RESIN BASE BONDING SYSTEM FOR CONCRETE.

Allowable Load in Concrete(1)

Rod Size In	Drill Size In	Embedment In	Edge Distance In	MODEL SET Tension Lbs	MODEL SET Shear Lbs	MODEL ET Tension Lbs	MODEL ET Shear Lbs
3/8	7/16	3 1/2	5 1/4	2587	1734	2672	1904
1/2	9/16	4 1/4	6 3/8	3719	2779	3993	2818
5/8	3/4	5	7 1/2	7073	4875	7133	4890
3/4	7/8	6 3/4	10 1/8	9329	6311	9476	6924
1	1 1/8	9	13 1/2	13985	12546	14145	13490

(1) Critical Edge Distance

Allowable Load in Concrete(2)

Rod Size In	Drill Size In	Embedment In	Edge Distance In	MODEL SET Tension Lbs	MODEL SET Shear Lbs	MODEL ET Tension Lbs	MODEL ET Shear Lbs
3/8	7/16	3 1/2	1 3/4	1693	552	1722	555
1/2	9/16	4 1/4	1 3/4	2480	552	2349	555
5/8	3/4	5	1 3/4	3410	742	3670	645
3/4	7/8	6 3/4	1 3/4	5118	990	5003	929
1	1 1/8	9	1 3/4	7518	1309	7002	1049

(2) Minimum Edge Distance

11/17/98
Evon M. C. Ballash

GENERAL NOTES:

1. ALLOWABLE LOADS ARE EQUAL TO ULTIMATE LOAD DIVIDED BY 4.
2. IN ORDER TO ACHIEVE THE ALLOWABLE LOADS A MINIMUM EDGE DISTANCE OF 1.5 E AND A MINIMUM CENTER TO CENTER DISTANCE OF 1.0 E SHALL BE OBSERVED. "E" IS EQUAL TO EMBEDMENT.
3. ADHESIVE PERFORMANCE IS AFFECTED BY THE TEMPERATURE OF THE ENVIRONMENT; SEE TABLE BELOW IN ORDER TO ADJUST THE ALLOWABLE LOADS.
4. ALL INSTALLATIONS SHALL BE MADE IN ACCORDANCE WITH SIMPSON'S PUBLISHED TECHNICAL INFORMATION IN THEIR CATALOG C-SAS98-2.

Percent Load vs Temperature

MODEL SET

Adhesive Temperature °F.	% of Original 70° F. Ultimate Tensile Strength
32	100.5
70	100.0
110	96.7
135	80.6
150	61.0
180	22.9

MODEL ET

Adhesive Temperature °F.	% of Original 70° F. Ultimate Tensile Strength
32	97.8
70	100.0
110	97.5
135	94.9
150	78.8
180	60.8

PRODUCT RENEWED
ACCEPTANCE No. 01-1026.02
EXPIRATION 12/15/2006
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE December 15 1998
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0730.04

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

Metropolitan Dade County - Product Approval

TITLE:	SET and ET Adhesives
DRAWING #:	SETADH0F
SHEET #:	1 OF 1
DATE OF ISSUE & REVISION:	11/11/98
NAME, DISCIPLINE & REGISTRATION OF P.E.:	EVON BALLASH, CIVIL ENGINEER REGISTRATION # PE 0051762