



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**

**Phillips Fastener Products, Inc.**  
**330 Whitney Ave, Ste. 435**  
**Holyoke, MA 01040**

Your application for Notice of Acceptance (NOA) of:

### **Concrete Screw Anchor**

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.: 01-0402.05**

**EXPIRES: 06/28/2006**

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: 06/28/2001**

**Phillips Fastener Products, Inc.**

**ACCEPTANCE NO: 01-0402.05**

**APPROVED: JUN 28 2001**

**EXPIRES: JUN 28 2006**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1** This approves concrete screws as described in Section 2 of this Notice of Acceptance. They are 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 **ConGrip** concrete screws shall be fabricated and used in strict compliance with the following documents: Drawing No. PFPO30701, titled "Phillips Fastener Products, Concrete Screw Anchors", prepared by Phillips Fastener Products, Inc. dated 03/07/01 sheet 1 of 1. It bears 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 2000, 3000 & 4000 psi Compressive Strength Concrete.

**4. INSTALLATION**

- 4.1** The Concrete Screws shall be installed in strict compliance with the installation instructions published by Phillips Fastener Products, Inc.

**5. LABELING**

- 5.1** Each concrete screws shall have a mark in the head identifying the manufacturer and each box of screws 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

Phillips Fastener Products, Inc.

ACCEPTANCE NO.: 01-0402.05

APPROVED: JUN 28 2001

EXPIRES: JUN 28 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**

**Phillips Fastener Products, Inc.**

**ACCEPTANCE NO: 01-0402.05**

**APPROVED: JUN 28 2001**

**EXPIRES: JUN 28 2006**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**  
**(For File ONLY. Not part of NOA)**

**A DRAWINGS:**

1. Drawings prepared by Phillips Fastener Products, Inc. titled "Phillips Fastener Products Concrete Screw Anchors"; Drawing No.PFP030701, dated 03/07/01, with no revisions, sheet 1 of 1, signed and sealed by J. D. Lee, PE.

**B TEST:**

|    | Laboratory No. | Test Report.      | Date.               | Signature           |
|----|----------------|-------------------|---------------------|---------------------|
| 1. | TCTC 030275    | ASTM E 488        | 02/26/01 & 03/14/01 | J.D. Lee, PE.       |
| 2. | TCTC 030275    | PA 114 Appendix E | 11/21/00            | R. N. Sailappan, PE |

**C CALCULATIONS:**

N/A

**D MATERIAL CERTIFICATIONS:**

1. ConGrip Installation Instructions published by Phillips Fastener Products, Inc. without date and without signature.

**E STATEMENTS:**

1. Code compliance letter issued by Twin City Testing Corporation on 05/30/2001, signed and sealed by J. D. Lee, PE.



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

## Phillips Fastener Products Concrete Screw Anchors

### DESIGN LOADS:

| Anchor Size | Embedment Depth | Concrete 2000 psi shear | Concrete 2000 psi tension | Concrete 3000 psi shear | Concrete 3000 psi tension | Concrete 4000 psi shear | Concrete 4000 psi tension |
|-------------|-----------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|
| 3/16"       | 1"              | 190 lbs                 | 100 lbs                   | 190 lbs                 | 125 lbs                   | 250 lbs                 | 150 lbs                   |
| 3/16"       | 1-1/4"          | 190 lbs                 | 125 lbs                   | 190 lbs                 | 150 lbs                   | 250 lbs                 | 175 lbs                   |
| 3/16"       | 1-1/2"          | 210 lbs                 | 200 lbs                   | 240 lbs                 | 225 lbs                   | 275 lbs                 | 250 lbs                   |
| 3/16"       | 1-3/4"          | 210 lbs                 | 275 lbs                   | 240 lbs                 | 300 lbs                   | 275 lbs                 | 325 lbs                   |
| 1/4"        | 1"              | 185 lbs                 | 155 lbs                   | 310 lbs                 | 190 lbs                   | 400 lbs                 | 250 lbs                   |
| 1/4"        | 1-1/4"          | 235 lbs                 | 175 lbs                   | 310 lbs                 | 270 lbs                   | 400 lbs                 | 310 lbs                   |
| 1/4"        | 1-1/2"          | 295 lbs                 | 250 lbs                   | 425 lbs                 | 345 lbs                   | 500 lbs                 | 410 lbs                   |
| 1/4"        | 1-3/4"          | 410 lbs                 | 400 lbs                   | 545 lbs                 | 460 lbs                   | 540 lbs                 | 550 lbs                   |

Values are valid for Flat Head or Hex Washer Head Concrete Screw Anchors

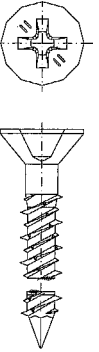
### GENERAL NOTES:

- 1) Design loads are based on ultimate loads divided by a minimum of 4.
- 2) Design loads are based on a minimum spacing distance of 2-1/4" for 3/16" anchors.
- 3) Design loads are based on a minimum spacing distance of 3" for 1/4" anchors.
- 4) Design loads are based on a minimum edge distance of 1-1/8" for 3/16" anchors.
- 5) Design loads are based on a minimum edge distance of 1-1/2" for 1/4" anchors.
- 6) Design loads are based on installation in accordance with manufacturer's instruction sheet.

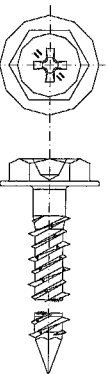
### DESCRIPTION:

Phillips Fastener Concrete Screw Anchors are manufactured of AISI 1022 hardened carbon steel with corrosion resistant coating which exceeds ASTM G 85, Annex 5 at 140 cycles as detailed in PA114 Appendix E. Anchors are available with Phillips® Flat Head, or Phillips Hex Washer

FLAT HEAD



HEXAGON WASHER HEAD



### ENGINEERING

John D. Lee, P.E.  
Twin City Testing  
662 Cromwell Avenue  
St. Paul, MN 55114  
Tel: (651) 659 7340  
Fax: (651) 659 7348  
Florida Reg. #52493

*[Signature]*  
5/5/01

PHILLIPS FASTENER  
PRODUCTS, INC.

330 Whitney Avenue, Suite 435  
Holyoke, MA 01040

Phillips Fastener Products  
Concrete Screw Anchors

REVISION DATE:  
DATE: March 7th, 2001  
DRAWING: PFP030701  
SCALE: 1" = 1"  
SHEET NO. 1 OF 1

FOR OFFICE USE

APPROVED AS SHOWN FOR  
SOUTH FLORIDA PROJECT  
DATE JUN 28 2001  
BY *[Signature]*  
PROJECT ENGINEER  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0402.05