



**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) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**Cobra Anchors Corporation.  
504 Mt. Laurel Ave.  
Temple, PA 19560**

**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 South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

**DESCRIPTION: Parawedge Concrete Anchor.**

**APPROVAL DOCUMENT:** Drawing No. **B-6897**, Sheets 1 of 1, titled "Parawedge Concrete Anchor" dated 08/24/01 with last revision on 04/01/02, prepared by Cobra Anchors Corporation, signed and sealed by J. D. Mitrani PE., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance (NOA) number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Each unit 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 consists of this page 1 as well as approval document mentioned above.

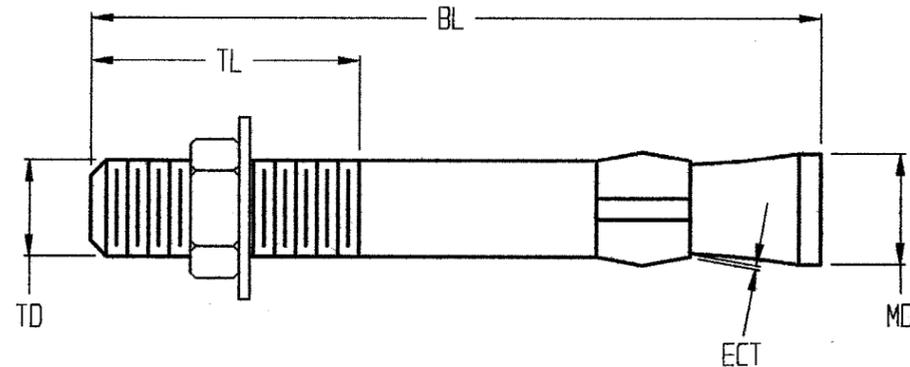
The submitted documentation was reviewed by **Candido F. Font PE.**



**NOA No: 00-1227.04  
Expiration Date: Jan 08, 2006  
Approval Date: May 02, 2002  
Page 1**

**DESCRIPTION:**

Parawedge concrete anchor; zinc plated to ASTM 633 Type III SC 1 with clear chromate as a standard finish. The body is manufactured from 1008/1018 cold finish steel and the clip from 1008-1010 cold finished steel. They have passed the corrosion resistant requirements of PA-114 Appendix E



| Average Dimension |                |                    |                  |                    |                        |
|-------------------|----------------|--------------------|------------------|--------------------|------------------------|
| Nominal Size      | Body Length BL | Madrel Diameter MD | Thread Length TL | Thread Diameter TD | Expansion Clip Th, ECT |
| 1/4 x 2 1/4       | 2.267          | 0.253              | 1.384            | 0.243              | 0.031                  |
| 3/8 x 3           | 3.071          | 0.375              | 1.898            | 0.370              | 0.046                  |
| 1/2 x 4 1/4       | 4.261          | 0.505              | 2.953            | 0.492              | 0.056                  |
| 5/8 x 4 1/2       | 4.623          | 0.628              | 1.679            | 0.615              | 0.056                  |
| 3/4 x 5 1/2       | 5.551          | 0.759              | 2.106            | 0.742              | 0.060                  |

**CONDITION OF USE:**

1. Allowable loads are indicated in pounds
2. Design loads are based on ultimate load divided by 4
3. Apply factor as indicated for Edge & Center to Center Distance
4. Allowable loads for 3000 PSI concrete are linearly interpolated between 2000 & 4000-PSI concrete
5. Tension and Shear Factor for Edge and Center to Center distance are linearly interpolated between standard & minimum distances

**Allowable Loads**

| Anchor Dia. | Minimum Embedment | Torque (in. lbs) | 2000 PSI Concrete Tension | 2000 PSI Concrete Shear | 3000 PSI Concrete Tension | 3000 PSI Concrete Shear | 4000 PSI Concrete Tension | 4000 PSI Concrete Shear |
|-------------|-------------------|------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|
| 1/4"        | 1 1/2"            | 20               | 640                       | 435                     | 640                       | 435                     | 640                       | 435                     |
| 3/8"        | 1 3/4"            | 30               | 745                       | 695                     | 865                       | 770                     | 985                       | 850                     |
| 1/2"        | 2 1/2"            | 60               | 1525                      | 1325                    | 1685                      | 1435                    | 1845                      | 1540                    |
| 5/8"        | 3"                | 90               | 1525                      | 1930                    | 1890                      | 2060                    | 2260                      | 2185                    |
| 3/4"        | 3 1/2"            | 120              | 2530                      | 2790                    | 2845                      | 3035                    | 3160                      | 3280                    |

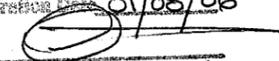
**Edge Distance Factor**

| Anchor Diameter | Standard Distance | Calculated Distance |       | Minimum Distance |
|-----------------|-------------------|---------------------|-------|------------------|
| 1/4"            | 2 1/4             | 1 7/8               | 1 1/2 | 1 1/8            |
| 3/8"            | 2 5/8             | 2 1/8               | 1 3/4 | 1 3/8            |
| 1/2"            | 3 3/4             | 3 1/8               | 2 1/2 | 1 7/8            |
| 5/8"            | 4 1/2             | 3 7/8               | 3 1/8 | 2 3/8            |
| 3/4"            | 5 1/4             | 4 3/8               | 3 1/2 | 2 5/8            |
| Shear Factor    | 1.00              | 0.79                | 0.57  | 0.35             |
| Tension Factor  | 1.00              | 0.91                | 0.83  | 0.75             |

**Center to Center Distance Factor**

| Anchor Diameter | Standard Distance | Calculated Distance |       | Minimum Distance |
|-----------------|-------------------|---------------------|-------|------------------|
| 1/4"            | 2 1/4             | 2 1/4               | 2 1/4 | 2 1/4            |
| 3/8"            | 5 1/4             | 4 1/2               | 3 3/4 | 3                |
| 1/2"            | 7 1/2             | 6 1/4               | 5     | 3 3/4            |
| 5/8"            | 9                 | 7 1/2               | 6     | 4 1/2            |
| 3/4"            | 10 1/2            | 8 3/4               | 7     | 5 1/4            |
| Shear Factor    | 1.00              | 0.91                | 0.83  | 0.75             |
| Tension Factor  | 1.00              | 0.85                | 0.70  | 0.55             |

PRODUCT RENEWED  
in compliance with the Florida  
Building Code  
Acceptance No. 00-1227.04  
Expiration Date 01/08/06

By   
Miami Dade Product Control  
Division

  
04/08/2002  
19943

|                |  |                   |                      |                       |
|----------------|--|-------------------|----------------------|-----------------------|
| FOR OFFICE USE | Cobra Anchors Corp.<br>504 Mt. Laurel Ave.<br>Tempe, PA 19560        |                   |                      |                       |
|                | Title: Parawedge Concrete Anchor                                     |                   |                      |                       |
|                | Dwg. #<br>B-6897   | Sheet #<br>1 of 1 | Dwg. Date<br>8-24-01 | Rev. Date<br>04-01-02 |
|                | JOSE D. MITRANI P.E., C.G.C., C.P.C.<br>Florida Registration # 19943 |                   |                      |                       |

Prof. Jose D. Mitrani, P.E.  
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Miami, Florida 33186