



**MIAMI-DADE**  
**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**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**NOTICE OF ACCEPTANCE (NOA)**

**United Steel Products Co.**  
**14305 Southcross Drive # 200.**  
**Burnsville, MN 55306**

**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. BCPRC 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 High velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: UGTS/LUGT Tie-downs**

**APPROVAL DOCUMENT:** Drawing No.102-2, titled UGTS SERIES (Uplift Girder Tie down Short) & LUGT2 (Light Uplift Girder Tie down)" sheet 1 & 2, with revision No. 1, dated 04/16/03 & 02/07/03, prepared by United Steel Products Company signed and sealed by Robert W. Lutz, PE, bearing the Miami-Dade County Product Control Renewal 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 **renews NOA # 03-0219.02** and consists of this page 1, evidence page E-1 & approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



**NOA No: 07-0322.15**  
**Expiration Date: June 20, 2012**  
**Approval Date: June 28, 2007**  
**Page 1**

**United Steel Products Company.**

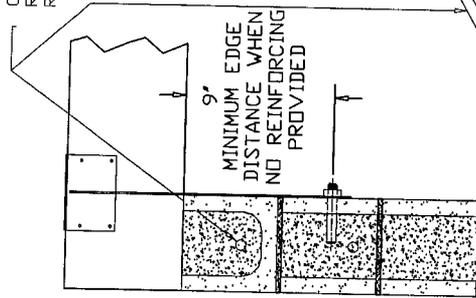
**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

- A DRAWINGS:**
1. Drawings prepared by United Steel Products Company, titled "UGTS SERIES (Uplift Girder Tie down Short)& LUGT2 (Light Uplift girder Tie down)", Drawing No. 102-2, sheets No. 1 & 2, dated 04/16/03 & 02/07/03 with revision No. 1, signed and sealed by Robert W. Lutz, PE.
- B. TESTS: (submitted under NOA # 03-0219.02)**
- | Laboratory Report       | Test       | Date     | Engineer.      |
|-------------------------|------------|----------|----------------|
| 1. Stork 031205         | ASTM D1761 | 12/30/01 | J. D. Lee, PE. |
| 2. Stork 031205         | ASTM D1761 | 11/30/01 | J. D. Lee, PE. |
| 3. Stork 031205 Revised | ASTM D1761 | 04/18/02 | J. D. Lee, PE. |
| 4. Stork 301802-508833  | ASTM D1761 | 11/19/02 | J. D. Lee, PE. |
- C. CALCULATION: (submitted under NOA # 03-0219.02)**
1. Calculated capacities of UGTS/USC Rafter Ties, pages 1 and 2, dated 01/15/02, prepared by Robert W. Lutz, PE.
  2. Calculated capacities of LUGT2 Light Uplift Girder Tie, pages 1 through 3, dated 01/16/02, prepared by Robert W. Lutz, PE.
  3. Calculated capacities of UGTS Series Uplift girder Ties, pages 1 through 3, dated 01/31/03 signed and sealed by Robert W. Lutz, PE.
- D. QUALITY ASSURANCE:**
1. Miami-Dade County. Building Code Compliance Office.
- E. STATEMENTS: (submitted under NOA # 03-0219.02)**
1. No-financial interest letter issued by USP Lumber Connectors on 01/18/02 and signed by Robert W. Lutz, PE.
  2. No-financial interest letter issued by Twin City Testing Corporation, on 11/30/01, signed by J. D. Lee, PE and notarized by C. L. Jacobson.
  3. Code compliance letter, prepared by USP Lumber Connectors on 01/18/01, signed and sealed by Robert W. Lutz, PE.
  4. Confirmation letter verifying capacity of ¾ Power Wedge Anchor with 5" embedment, prepared by Power Fastener on 07/22/03 and signed by M. Ziegler.
  5. Confirmation letter verifying letter of Powers Fasteners to United Steel Products, prepared by Stork Twin City Testing Corporation on 07/30/03, signed and sealed by J. D. Lee, PE.
- F. OTHERS:**
1. No change of Product Letter issued by United Steel Products Co., dated March 20, 2007, signed by Robert W. Lutz, P.E.

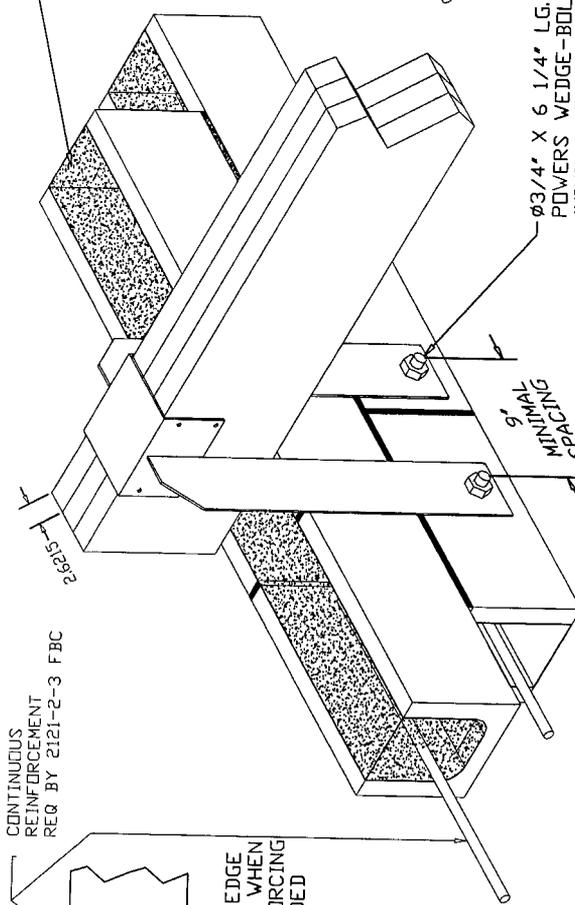


Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 07-0322.15

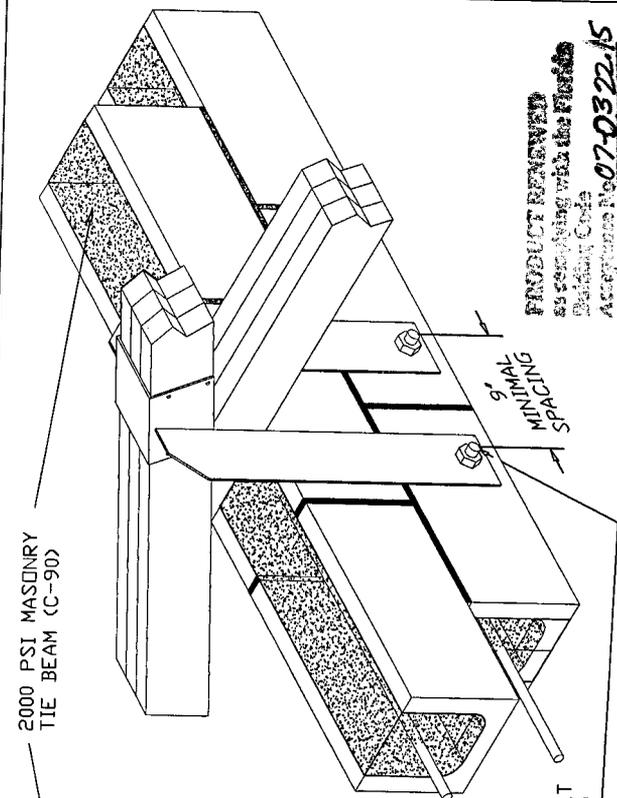
Expiration Date: June 20, 2012  
Approval Date: June 28, 2007



CONTINUOUS REINFORCEMENT REQ. BY 2121-2-3 FBC

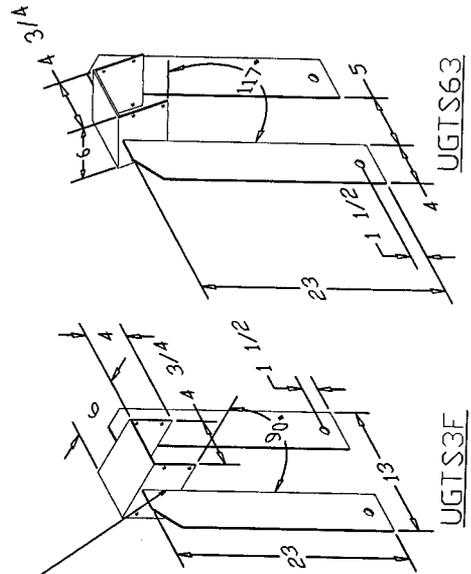


2000 PSI MASONRY TIE BEAM (C-90)



Ø3/4" X 6 1/4" LG. POWERS WEDGE-BOLT (MINIMUM EMB. = 5") (MANUFACTURED BY POWERS FASTENERS, INC.)

1/8" X 3 1/2" 70XX WELD (TYP)



**GENERAL NOTES**

- 1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURAL GRADE 33, AND A MINIMUM GALVANIZED COATING OF G90 OR EQUIVALENT FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- 2) ALLOWABLE LOADS HAVE BEEN INCREASED BY A SHORT TERM DURATION FACTOR OF 60% FOR WIND LOAD CONDITION. NO FURTHER INCREASE IS ALLOWED.
- 3) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 2001 EDITION FOR SOUTHERN YELLOW PINE (G= 0.55 OR BETTER AND MOISTURE CONTENT OF 19% OR BETTER). ALL TESTS PERFORMED IN ACCORDANCE WITH ASTM D1761.

**PRODUCT REVIEWED**  
as complying with the Florida Building Code  
Acceptance No. **07-0322-15**  
Expiration Date **12/28/2012**  
*[Signature]*  
Florida State Product Control  
Orlando

ALL UGTS PRODUCTS ARE 10 GAUGE MATERIAL.

TRUSS/RAFTER PITCH RANGE BETWEEN 4/12 & 8/12

F UCT L UDE	H O H E A	FASTENERS SCHEDULE		CONCRETE/ MASONRY WALL	WIDTH	ALLOWABLE LOADS
		RAFTER/ TRUSS	UPLIFT			
UGTS3F	0/12	(8) 10d	(2) 3/4	4 3/4	6390	
UGTS4F	0/12	(8) 10d	(2) 3/4	6 1/2	6390	
UGTS43	4/12	(8) 10d	(2) 3/4	4 3/4	6390	
UGTS44	4/12	(8) 10d	(2) 3/4	6 1/2	6390	
UGTS53	5/12	(8) 10d	(2) 3/4	4 3/4	6390	
UGTS54	5/12	(8) 10d	(2) 3/4	6 1/2	6390	
UGTS63	6/12	(8) 10d	(2) 3/4	4 3/4	6390	
UGTS64	6/12	(8) 10d	(2) 3/4	6 1/2	6390	
UGTS73	7/12	(8) 10d	(2) 3/4	4 3/4	6390	
UGTS74	7/12	(8) 10d	(2) 3/4	6 1/2	6390	
UGTS83	8/12	(8) 10d	(2) 3/4	4 3/4	6390	
UGTS84	8/12	(8) 10d	(2) 3/4	6 1/2	6390	

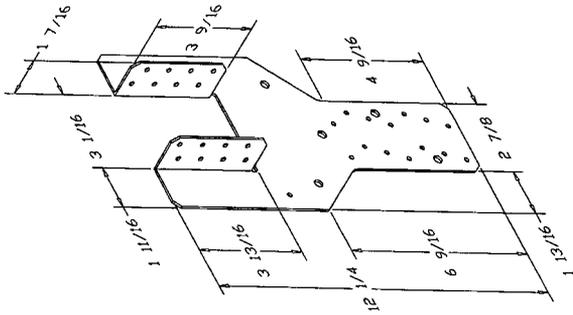
**UNITED STEEL PRODUCTS COMPANY**  
703 ROGERS DRIVE, MONTGOMERY, MN, 56069 PHONE (507) 364-7333

NAME: UGTS SERIES  
(UPLIFT GIRDER TIEDOWN SHORT)

DATE: 4/16/03  
ROBERT W. LUTZ  
PROFESSIONAL ENGINEER (STRUCTURAL)  
FLORIDA REG. NO. 55409

SHEET: 1 OF 2  
DRAWING NO.: 102-2  
REVISION NO.: 1  
MDADE

*[Signature]*  
MAR 20 2003



LUGT2

GROUT FILLED CONCRETE BLOCK (C-90) WITH 2000PSI GROUT

1/4 X 3 1/4 POWER STUD  
(MIN. EMB. 2")  
(MIN. EDGE DIST. 3")  
(MIN. SPACING 2 1/2")

PRODUCT	GA	FASTENERS SCHEDULE		ALLOWABLE LOADS	
		RAFTER/TRUSS	PLATE	CONCRETE	POWER STUD
LUGT2	14	(16) 10d	(2) 10d	(5) 1/4" DIA.	(2) 1/4" DIA.
				L1	L2
				1220	460
				160%	1850

NOTES

- 1) L1 ARE LOADS APPLIED PARALLEL TO BEARING WALL
- 2) L2 ARE LOADS APPLIED PERPENDICULAR TO BEARING WALL.
- 3) ALLOWABLE LOADS FOR UPLIFT, L1 & L2 ARE NOT TO BE COMBINED.

PRODUCT REVIEWED

As complying with the Florida

Building Code

Approval No. 07-0322.15

Expiration Date 06/28/2012

By: [Signature]

Minimum Project Control

Engineer

GENERAL NOTES

- 1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURAL GRADE 33, AND A MINIMUM GALVANIZED COATING OF G90. FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.
- 2) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION 2001 EDITION FOR SOUTHERN YELLOW PINE (G= 0.55 OR BETTER AND MOISTURE CONTENT OF 19% OR LESS) ALL TESTS PERFORMED IN ACCORDANCE WITH ASTM D1761.

**UNITED STEEL PRODUCTS COMPANY**

703 ROGERS DRIVE, MONTGOMERY, MN, 56069 PHONE (507) 364-7333

NAME: LUGT2

DATE: 2/7/03  
(LIGHT UPLIFT GIRDER TIEDOWN)

ROBERT W. LUTZ  
PROFESSIONAL ENGINEER (STRUCTURAL)  
FLORIDA REG. NO. 55409

SHEET:

2 OF 2

DRAWING NO:

102-02

MDAE

[Signature: Robert W. Lutz]  
MAR 20 2003