

## DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

## **NOTICE OF ACCEPTANCE (NOA)**

## MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Nu-Vue Industries, Inc. 1055 East 29<sup>th</sup> Street Hialeah, FL 33013

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section 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 Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series AB, NVSTA, NVHTA, NVTHJ, IKE, NVTT and NVHC-37 Steel Wood Connectors

**APPROVAL DOCUMENT:** Drawing No. **JA-1958.3-22**, titled "NOA No. 20-0901.05 Revision", sheets 1 through 5 of 5, dated 01/05/2022, prepared by Javad Ahmad PE, Inc., signed and sealed by Javad Ahmad, P.E. on 04/11/2023, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

#### MISSILE IMPACT RATING: None

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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** and **revises NOA # 20-0901.05** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

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NOA No. 23-0221.06 Expiration Date: May 22, 2028 Approval Date: May 11, 2023 Page 1

#### 1. Evidence Submitted Under Previous NOAs

#### A. DRAWINGS "Submitted under NOA #16-0201.22"

1. Drawing No. NU-1, titled "Truss and Top Plate Anchors", sheets 1 through 4 of 4, dated 02/18/2008, with last revision dated 01/25/2016, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

#### B. TESTS "Submitted under NOA # 08-0325.02"

Test reports on wood connectors per ASTM D1761-88 by Product Testing, Inc., signed and sealed by C. R. Caudel, P.E.

	Report No.	<b>Wood Connector</b>	<b>Load Direction</b>	<b>Date</b>
1.	05-5195A	AB-5	F1 and F2	02/15/08
2.	05-5196A	AB-7	F1 and F2	02/15/08
3.	04-4995	NVTHJ-26	Upward	01/31/05
4.	04-4996	NVTHJ-28	Upward	01/31/05
5.	05-5612	IKE-1	Upward, L1 and L2	03/20/06
6.	06-5622	IKE-2	Upward, L1 and L2	05/01/06
7.	04-4908	NVTT	Upward and L1	07/21/04
8.	03-4631	NVTT	Upward and L1	06/21/04
9.	08-6711	NVHC-37	Upward, L1 and L2	03/14/08
10.	04-4641	NVSTA	Upward, L1 and L2	03/17/04
11.	04-4642	NVHTA	Upward, L1 and L2	03/22/04

#### C. CALCULATIONS "Submitted under NOA # 08-0325.02"

1. Shear value of common wire nails and steel plate tensile calculations, prepared by Vipin N. Tolat, P.E., Consulting Engineer, dated 03/20/2008, signed and sealed by Vipin N. Tolat, P.E.

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

#### E. MATERIAL CERTIFICATIONS

1. None.

#### F. STATEMENTS "Submitted under NOA #16-0201.22"

1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC and of no financial interest, dated 01/29/2016, signed and sealed by Vipin N. Tolat, P.E.

#### "Submitted under NOA # 13-0206.17"

2. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/31/2013, signed and sealed by Vipin N. Tolat, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0221.06 Expiration Date: May 22, 2028

Approval Date: May 11, 2023

- 2. Evidence submitted under NOA # 17-0802.10
- A. DRAWINGS
  - 1. Drawing No. NU-1, titled "Truss and Top Plate Anchors", sheets 1 through 4 of 4, dated 07/17/2017, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.
- B. TESTS
  - 1. None.
- C. CALCULATIONS
  - 1. None.
- D. QUALITY ASSURANCE
  - 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS
  - 1. None.
- F. STATEMENTS
  - 1. Statement letter of code conformance to the 5<sup>th</sup> Edition (2014) and 6<sup>th</sup> Edition (2017) FBC and of no financial interest, dated 07/25/2017, signed and sealed by Vipin N. Tolat, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0221.06

#### 3. Evidence Submitted under NOA # 18-0312.06

#### A. DRAWINGS

1. Drawing No. **NU-1**, titled "Truss and Top Plate Anchors", sheets 1 through 4 of 4, dated 03/06/2018, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

#### B. TESTS

1. None.

#### C. CALCULATIONS

1. Adjustment factor calculations per ASTM D7147, prepared by Vipin N. Tolat, P.E., Consulting Engineer, dated 03/06/2018, signed and sealed by Vipin N. Tolat, P.E.

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

#### E. MATERIAL CERTIFICATIONS

1. None.

#### F. STATEMENTS

1. Statement letter of code conformance to the 6<sup>th</sup> Edition (2017) FBC and of no financial interest, dated 03/10/2018, signed and sealed by Vipin N. Tolat, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0221.06

- 4. Evidence Submitted under NOA # 20-0901.05
- A. DRAWINGS
  - 1. Drawing No. NU-1, titled "Truss and Top Plate Anchors", sheets 1 through 4 of 4, dated 08/18/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.
- B. TESTS
  - 1. None.
- C. CALCULATIONS
  - 1. None.
- D. QUALITY ASSURANCE
  - 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS
  - 1. None.
- F. STATEMENTS
  - 1. Statement letter of code conformance to the 6<sup>th</sup> Edition (2017) and 7<sup>th</sup> Edition (2020) FBC and of no financial interest, dated 08/18/2020, signed and sealed by Vipin N. Tolat, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0221.06

#### 5. NEW EVIDENCE SUBMITTED

### A. DRAWINGS

1. Drawing No. **JA-1958.3-22**, titled "NOA No. 20-0901.05 Revision", sheets 1 through 5 of 5, dated 01/05/2022, prepared by Javad Ahmad PE, Inc., signed and sealed by Javad Ahmad, P.E. on 04/11/2023.

#### B. TESTS

1. None.

#### C. CALCULATIONS

1. Allowable loads calculations, prepared by Javad Ahmad PE, Inc., dated 04/11/2023, signed and sealed by Javad Ahmad, P.E.

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

#### E. MATERIAL CERTIFICATIONS

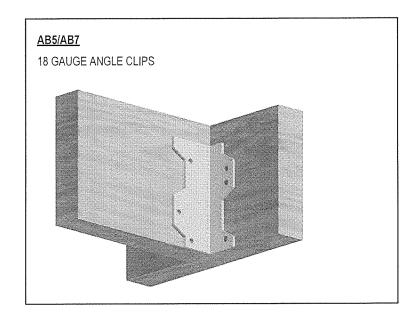
1. None.

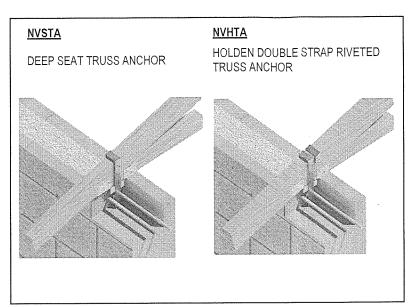
#### F. STATEMENT

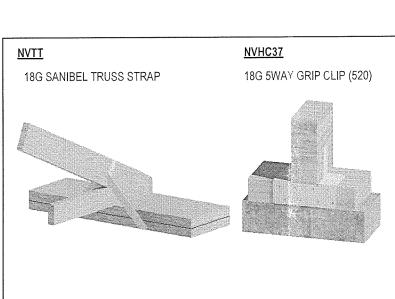
1. Statement letter of code conformance to the 7<sup>th</sup> Edition (2020) of the FBC and of no financial interest, issued by Javad Ahmad PE, Inc., dated 02/08/2023, signed and sealed by Javad Ahmad, P.E.

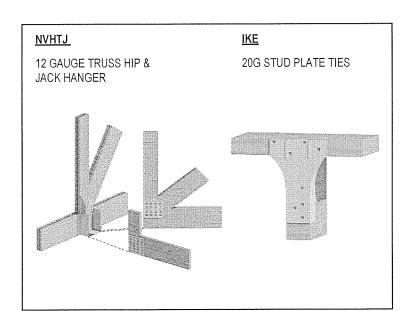
## **NU-VUE INDUSTRIES, INC.**

1055 EAST 29TH HIALEAH, FL 33013, TEL. 305-694-0397









#### MATERIAL

WOOD MEMBERS MUST BE S.P. NO. 1, SPECIFIC GRAVITY 0.55 OR AN APPROVED MEMBER WITH AN EQUIVALENT GRADE. DESIGN LOADS FOR OTHER SPECIES SHALL BE ADJUSTED PER NDS 2018. WOOD MEMBERS SHALL HAVE A MOISTURE CONTENT NOT EXCEEDING 19 PERCENT (16 PERCENT FOR STRUCTURAL ENGINEERED LUMBER). WOOD MEMBERS MUST BE USED UNDER CONTINUOUSLY DRY CONDITIONS AND WHERE SUSTAINED TEMPERATURES ARE LIMITED TO 100° F.

PRESERVATIVE AND FIRE RETARDANT WOOD
CONNECTORS OR FASTENERS USED IN CONTACT WITH PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE IN ACCORDANCE WITH SECTION 2304.10.5.

NAILS SHALL MEET THE REQUIREMENTS IN TABLE AND THE REQUIREMENTS SPECIFIED IN ASTM F 1667.

MATERIAL AND QUALITY OF MASONRY CONSTRUCTION MUST COMPLY WITH THE APPLICABLE SECTIONS OF FBC 2020. MINIMUM CONCRETE OR GROUT COMPRESSIVE STRENGTH SHALL BE 1500 PSI. CONCRETE MASONRY SHALL COMPLY WITH ASTM C90

MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI.

CONNECTOR STEEL SHALL CONFORM TO ASTM A653 SS GRADE 33, MIN, YIELD 33 KSI, MIN. TENSILE STRENGTH 45 KSI AND MIN. GALVANIZED COATING OF G 60 PER ASTM A653.

#### **GENERAL NOTES:**

ALLOWABLE LOADS AND ALL FASTENERS ARE BASED ON NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION 2018.

DESIGN LOADS ARE BASED ON SOUTHERN YELLOW PINE WOOD SPECIES WITH A SPECIFIC GRAVITY OF 0.55. ALLOWABLE LOADS FOR OTHER SPECIES OR CONDITIONS MUST BE ADJUSTED ACCORDING TO NDS

THIS CATALOG REFLECTS DESIGN CHANGES AND DESIGN ADJUSTMENTS TO SOME NU-VUE PRODUCTS. THE TABLES AND NOTES IN THIS CATALOG SUPERCEDE ALL PREVIOUS DOCUMENTS. NU-VUE RESERVES THE RIGHT TO CHANGE DESIGN SPECIFICATIONS WITHOUT NOTICE AND IS NOT LIABLE FOR SUCH

DESIGN LOADS DO NOT INCLUDE 33% INCREASE FOR STEEL AND CONCRETE.
ALLOWABLE UPLIFT LOADS HAVE BEEN ADJUSTED FOR LOAD DURATION FACTOR CD OF 1.6. APPLICABLE
TO WIND AND EARTHQUAKE LOAD PER NDS 2018.

DESIGN CONFORMS TO 2020 EDITION OF FLORIDA BUILDING CODE AND NDS 2018. COMBINED LOAD OF UPLIFT, LI AND L2 SHALL SATISFY THE FOLLOWING EQUATION.

ACTUAL UPLIFT + ACTUAL L1 + ALLOWABLE UPLIFT ALLOWABLE L1

ALL TESTS HAVE BEEN CONDUCTED IN ACCORDANCE WITH ASTM D-1761.

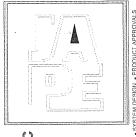
THE DESIGN LOADS LISTED ARE BASED ON THE LEAST VALUE OF THE FOLLOWING: 1, THE LOWEST ULTIMATE LOAD DIVIDED BY THREE.

2, THE LOWEST LOAD PRODUCING 1/8 " DEFLECTION.

3. CALCULATIONS BASED ON NDS,AISI AND OTHER APPLICABLE CODES.

#### REFERENCES:

AISI S100-16 FBC 2020 ACI 318-19



<u>C</u> 8800 NW 23rd St, Miami FL Ш С JAVAD

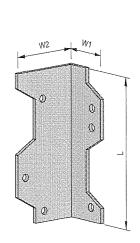
support@ja-pe.com NU-VUE INDUSTRIES, INC. **PROJECT** 0.5 NOA NO.

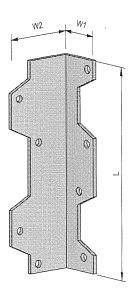
**PRODUCT REVISED** as complying with the Florida Building Code 23-0221.06 NOA-No.

Expiration Date 05/22/2028

Sturs Miami-Dade Product Control

# **18 GAUGE ANGLE CLIPS**



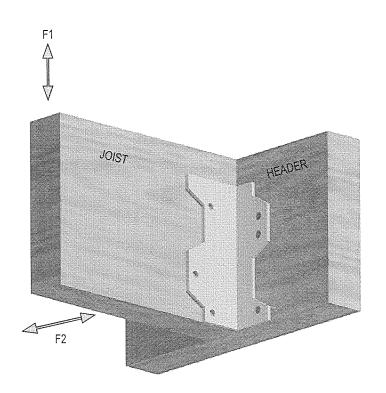


AB-5

AB-7

#### TABLE 1

			18	3 GAUGE ANGL	E CLIPS								
PRODUCT	PRODUCT DIMENSIONS (in.) FASTENER SCHEDULE ALLOWABLE LOADS (lbs)												
CODE	W1	W2	L	HEADER (10dx1-1/2")	JOIST (10dx1-1/2")	F1	F2						
AB5	1-1/2	2-5/16	5	3	3	491	595						
AB7	1-1/2	2-5/16	7	4	4	573	794						



TYPICAL INSTALLATION

NOTES:

SEE GENERAL NOTES, SHEET 1 NAIL WIDER ANGLE LEG TO JOIST AND SHORTER LEG TO HEADER.

PRODUCT REVISED
as complying with the Florida
Building Code 23-0221.06

Expiration Date 05/22/2028

By Miami-Dade Product Control



JAVAD AHMAD PE, inc

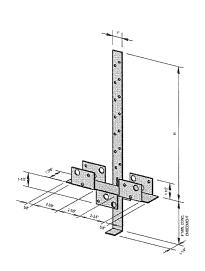
8800 NW 23rd St, Miami FL 33172 Ph: (305) 424-8001 support@ja-pe.com

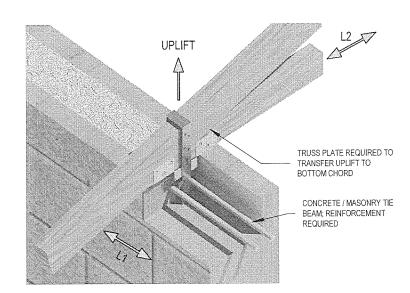
20-0901.05 REVISION PROJECT:

REVISION

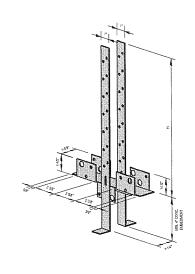
## **NVSTA & NVHTA**

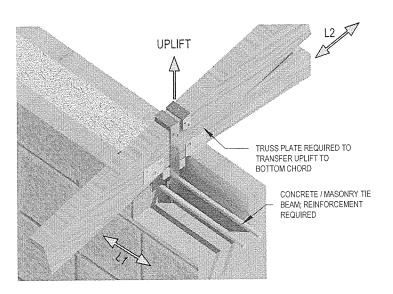
**DEEP SEAT TRUSS ANCHOR:** THEY ARE DESIGNED TO RESIST LATERAL AND UPLIFT FORCES. THE STRAP IS MADE OF 14 GAUGE STEEL AND SEATS OF 20 GAUGE STEEL.





HOLDEN DOUBLE STRAP RIVETED TRUSS ANCHOR: THEY ARE DESIGNED OF 14 GAUGE STEEL PLATES TO RESIST LATERAL AND UPLIFT FORCES. THE SEATS ARE MADE OF 20 GAUGE STEEL





### TABLE 2

ASSEMBLY PRODUCT CODE	DIMENSION H (in.)
NVSTA-12	12
NVSTA-16	16
NVSTA-20	20
NVSTA-22	22
NVSTA-24	24

TOTAL NO. OF FASTENERS IN STRAP	TOTAL NO. OF FASTENERS IN 20 GA. SEAT	ALLOWABLE LOADS (lbs.)							
10d X 1-1/2"	10d X 1-1/2"	UPLIFT*	L1*	L2*					
5	6	1046	700	1049					
6	6	1141	760	1144					
7	6	1236	823	1239					
8	6	1331	887	1335					
9	6	1426	950	1430					

## **TABLE**

ASSEMBLY PRODUCT	DIMENSION	TOTAL NO. OF FASTENERS IN 2 STRAPS	TOTAL NO. OF FASTENERS IN 20 GA. SEAT	ALLOWABLE LOA					
CODE	H (in.)	10d X 1-1/2"	10d X 1-1/2"	UPLIFT*	UPLIFT**				
NVHTA-12	12	10	6	1506	1766	1			
NVHTA-16	16	12	6	1695	1987	1			
NVHTA-20	20	14	6	1883	2208	1			
NVHTA-22	22	16	6	2071	2429	1			
NVHTA-24	24	18	6	2259	2649	1			

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TOTAL NO. OF FASTENERS IN 2 STRAPS	TOTAL NO. OF FASTENERS IN 20 GA. SEAT	AL	ALLOWABLE LOADS (lbs.)									
10d X 1-1/2"	10d X 1-1/2"	UPLIFT*	UPLIFT**	L1*	L2*							
10	6	1506	1766	1050	1450							
12	6	1695	1987	1181	1631							
14	6	1883	2208	1312	1812							
16	6	2071	2429	1444	1994							
18	6	2259	2649	1575	2175							

#### NOTES:

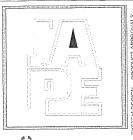
NAILS ARE NECESSARY IN STRAPS AND SEAT TO ACHIEVE DESIGN LOADS.
NAILS THROUGH CHORDS SHALL NOT FORCE THE TRUSS PLATES.
\*BASED ON MINIMUM 2500 psi CONCRETE
\*\*FOR HIGHER UPLIFT LOADS, CONCRETE SHALL BE 3000 PSI.

SEE GENERAL NOTES, SHEET 1

**PRODUCT REVISED** as complying with the Florida Building Code 23-0221.06 NOA-No.

Expiration Date 05/22/2028

Miami-Dade Product Control

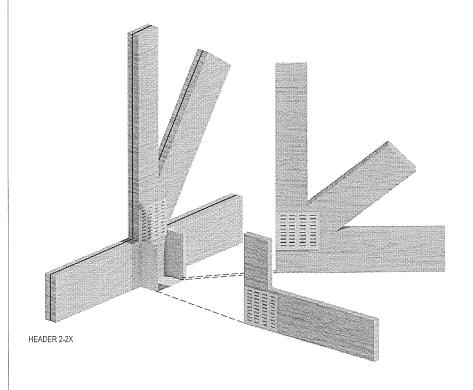


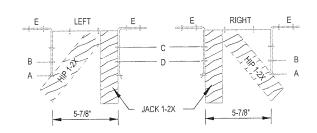
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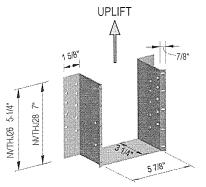
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# **NVTHJ & IKE**

## 12 GAUGE NVTHJ TRUSS HIP & JACK HANGER







NVTHJ-26 AS SHOWN **NVTHJ-28 SIMILAR** 

US PATENT NO. 4,964,253

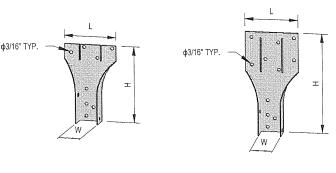
## TABLE 4

PRODUCT CODE				ALLOWABLE LOADS (lbs)					
	H	IP NAIL	.10d	J,	ACK NAI	L 10d	HEADER NAILS	UPLIFT LOADS (lbs)	
	Α	В	TOTAL	С	D	TOTAL	16d (E)	S. PINE	
NVTHJ26	4	3	7	2	3	5	16	1478	
NVTHJ28	5	4	9	2	3	5	20	1931	

#### NOTES:

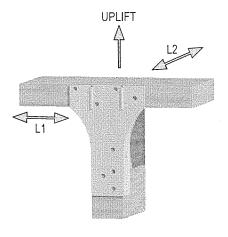
FOR 1-2X MEMBERS, 10d X 1-1/2" NAILS CAN BE USED SEE GENERAL NOTES, SHEET 1

## **20G STUD PLATE TIES**



IKE-1

IKE-2



TYPICAL IKE-1 INSTALLATION

## TABLE 5

PRODUCT	DIN	IENSION	S (in.)	FASTI	ENERS	ALLOWABLE LOADS (lbs.)					
CODE	W	Н	L	STUD	PLATE	UPLIET	L1	L2			
IKE 1	1-1/2	5	3-1/2	6-10d	4-10d	787	337	337			
IKE 2	1-1/2	6-5/8	3-1/2	6-10d	7-10d	932	451	318			

PRODUCT REVISED
as complying with the Florida
Building Code 23-0221.06 NOA-No.

Expiration Date 05/22/2028

Miami-Dade Product Control

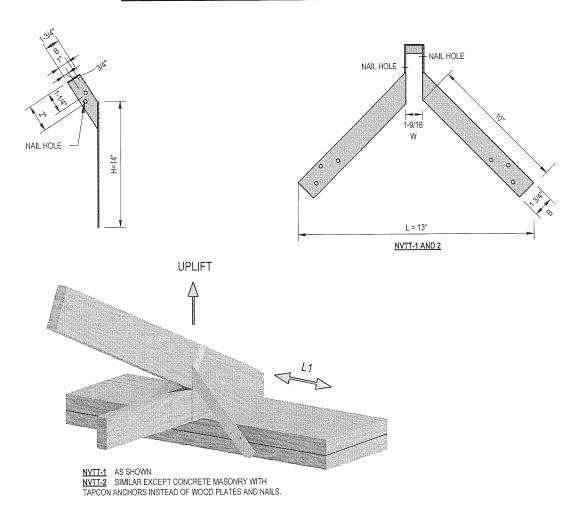


JAVAD AHMAD PE, inc

8800 NW 23rd St, Miami FL 33172 Ph: (305) 424-8001 support@ja-pe.com 20-0901.05 REVISION PROJECT:

## **NVTT & NVHC**

### 18 GAUGE NVTT SANIBEL TRUSS STRAP



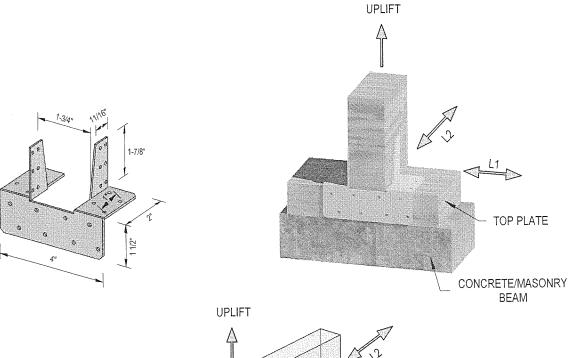
## TABLE 6

PRODUCT	DIM	IENSIO	NS (i	n.)	F/	ASTENER SCHE	ALLOWABLE LOADS (lbs)		
CODE	w	В	Н	L	TRUSS	TOP PLATES	HOLLOW CONCRETE MASONRY	UPLIFT	L1
NVTT-1	1-9/16	1-3/4	14	13	2-10d x 1-1/2"	6-10d		984	543
NVTT-2	1-9/16	1-3/4	14	13	2-10d x 1-1/2"		6-1/4" DIA. x 1-1/2" TAPCONS	1584*	465*

#### NOTES:

- SEE GENERAL NOTES, SHEET 1 1-10d X 1-1/2" NAIL IS PLACED ON EACH SIDE OF TRUSS AND 3-10d NAILS IN EACH LEG ARE PLACED IN TWO
- 3-1/4" DIA, X 1-1/2" LONG, 1-1/4" EMBED, TAPCONS ARE PLACED IN EACH LEG AND INTO HOLLOW CONCRETE MASONRY, MAINTAIN 2-1/2" EDGE DISTANCE FROM TOP OF THE BLOCK AND SPACING OF 3" BETWEEN THE
- \*DESIGN VALUE APPLICABLE FOR 8" OR GREATER CMU MASONRY

## 18 GAUGE NVHC 37 5WAY GRIP CLIP (520)



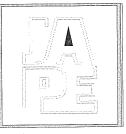
## TABLE 7

PRODUCT CODE		NAIL SC	HEDULE	ALLOWABLE LOADS (lbs)					
	DESCRIPTION	HEADER OR PLATE	JOIST OR STUD	UPLIFT	L1	L2			
NVHC 37	5 WAY CLIP	16-8d or 16-10d	12-8d or 12-10d	702	559	627			

PRODUCT REVISED
as complying with the Florida
Building Code 23-0221.06 NOA-No.

Expiration Date 05/22/2028

Miami-Dade Product Control



JAVAD AHWAD PE, inc 8800 NW 23rd St, Miami FL

NU-VUE INDUSTRIES, INC. 20-0901.05 PROJECT