

BY:JM DATE:1/30/24
CHECK BY:JM DATE:1/30/24

SUBJECT:10300 sw 70TH ave..
PINECREST, FLORIDA

SHEET No.1OF
JOB #:2001

CALCULATION TITLE SHEET

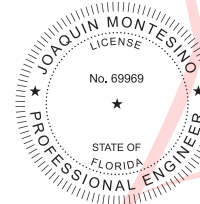
Job Name : ADDITION & RESTORATION

**Client :
10300 SW70TH AVE.
PINECREST, FLORIDA 33156**

Job Type :RESIDENTIAL

Building Code : .F.B.C.-2020-Edition

Building Dept : VILLAGE OF PINECREST

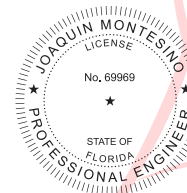


Digitally
signed by
JOAQUIN
MONTESINO
Date:
2024.01.31
12:09:39
-05'00'

The undersigned hereby certifies that the enclosed structural calculations were prepared either by myself or under my direct supervision. For the computer runs, if any, input was prepared and the output data analyzed and interpreted in the same manner prior preparation of the construction documents. Therefore, I accept professional responsibility for my interpretation of any computer outputs.

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Digitally
signed by
JOAQUIN
MONTESINO
Date:
2024.01.31
12:09:57[®]
-05'00'

WIND LOADS PER ASCE7-16

EXPOSURE :C Roof angle: (7Deg.) $< \theta <= (27 \text{ deg})$

Roof angle: $\text{slope} := \frac{4}{12}$ $\theta := \text{atan}(\text{slope})$ $\theta = 18.435 \cdot \text{deg}$

$V := 175$ mph Mean hight $h := 9.5\text{ft}$

Topographic Factor

$\alpha := 9.5$ $Z_g := 900$

$K_{zt} := 1.0$

Velocity pressure Exposure

$$K_z := \text{if} \left[(h < 15\text{ft}), \left[2.01 \cdot \left(\frac{15}{Z_g} \right)^{\frac{2}{\alpha}} \right], \left[2.01 \cdot \left(\frac{h}{Z_g} \right)^{\frac{2}{\alpha}} \right] \right]$$

$K_z = 0.85$

Wind Directionality Factor

$K_d := 0.85$

Ground Elevation Factor

$K_e := 1$

Basic Velocity Pressure

$$q_h := \left[0.00256 \cdot K_z \cdot K_{zt} \cdot K_d \cdot [K_e \cdot (V)]^2 \right] \cdot \text{psf}$$

$q_h = 56.57 \cdot \text{psf}$

"Wood jack trusses"

$$\frac{h}{B} \leq 0.5$$

zone : 1 , Negative without overhang

$$A_j := \frac{(8\text{ft})^2}{3} \quad A_j = 21.333 \text{ft}^2 \quad G_{cpi} := -0.18$$

$$G_{cp} := \begin{cases} -1.3 & \text{if } A_j \leq 20\text{ft}^2 \\ \left(-1.8584 + 0.4292 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) \right) & \text{if } 20\text{ft}^2 \leq A_j \leq 100\text{ft}^2 \\ -1.0 & \text{if } A_j \geq 100\text{ft}^2 \end{cases}$$

$$G_{cp} = -1.288$$

$$P_{1j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10\text{psf}] \cdot 0.6$$

$$P_{1j} = -43.825 \cdot \text{psf}$$

(net wind pressure)

zone2r : Negative without overhang

$$G_{cp} := \begin{cases} -2.4 & \text{if } A_j \leq 10\text{ft}^2 \\ -3.2455 + 0.8455 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) & \text{if } 10\text{ft}^2 \leq A_j \leq 200\text{ft}^2 \\ -1.3 & \text{if } A_j \geq 200\text{ft}^2 \end{cases} \quad G_{cpi} := -0.18$$

$$G_{cp} = -2.122$$

$$P_{2j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10\text{psf}] \cdot 0.6$$

$$P_{2j} = -72.127 \cdot \text{psf}$$

(net wind pressure)

zone3,2e : Negative without overhang

$$G_{cpi} := -0.18$$

$$G_{cp} := \begin{cases} -1.8 & \text{if } A_j \leq 10\text{ft}^2 \\ -2.3380 + 0.5380 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) & \text{if } 10\text{ft}^2 \leq A_j \leq 200\text{ft}^2 \\ -1.1 & \text{if } A_j \geq 200\text{ft}^2 \end{cases}$$

$$G_{cp} = -1.623$$

$$P_{3j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10 \text{psf}] \cdot 0.6$$

$$P_{3j} = -55.196 \cdot \text{psf} \quad (\text{net wind pressure})$$

"Wood trusses"

zone : 1 , Negative without overhang

$$A_j := \frac{(12.67 \text{ft})^2}{3} \quad A_j = 53.51 \text{ft}^2 \quad G_{cpi} := -0.18$$

$$G_{cp} := \begin{cases} -1.3 & \text{if } A_j \leq 20 \text{ft}^2 \\ \left(-1.8584 + 0.4292 \cdot \log \left(\frac{A_j}{\text{ft}^2} \right) \right) & \text{if } 20 \text{ft}^2 \leq A_j \leq 100 \text{ft}^2 \\ -1.0 & \text{if } A_j \geq 100 \text{ft}^2 \end{cases}$$

$$G_{cp} = -1.117$$

$$P_{1j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10 \text{psf}] \cdot 0.6$$

$$P_{1j} = -38.007 \cdot \text{psf} \quad (\text{net wind pressure})$$

zone2r : Negative without overhang

$$G_{cp} := \begin{cases} -2.4 & \text{if } A_j \leq 10 \text{ft}^2 \\ -3.2455 + 0.8455 \cdot \log \left(\frac{A_j}{\text{ft}^2} \right) & \text{if } 10 \text{ft}^2 \leq A_j \leq 200 \text{ft}^2 \\ -1.3 & \text{if } A_j \geq 200 \text{ft}^2 \end{cases} \quad G_{cpi} := -0.18$$

$$G_{cp} = -1.784$$

$$P_{2j} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10 \text{psf}] \cdot 0.6$$

$$P_{2j} = -60.665 \cdot \text{psf} \quad (\text{net wind pressure})$$

zone3,2e : Negative without overhang

$$\underline{\underline{G_{cpi}}} := -0.18$$

$$\underline{\underline{G_{cp}}} := \begin{cases} -1.8 & \text{if } A_j \leq 10\text{ft}^2 \\ -2.3380 + 0.5380 \cdot \log\left(\frac{A_j}{\text{ft}^2}\right) & \text{if } 10\text{ft}^2 \leq A_j \leq 200\text{ft}^2 \\ -1.1 & \text{if } A_j \geq 200\text{ft}^2 \end{cases}$$

$$\boxed{G_{cp} = -1.408}$$

$$\underline{\underline{P_{3j}}} := [q_h \cdot [G_{cp} - (-G_{cpi})] + 10\text{psf}] \cdot 0.6$$

$$\underline{\underline{P_{3j}}} = -47.903 \cdot \text{psf} \quad (\text{net wind pressure})$$

Wall Pressure for building h<60ft

Roof

h =7'-10"

Negative :zone4

$$\underline{\underline{A}} := \frac{(7.83\text{ft})^2}{3} \quad A = 20.436 \text{ ft}^2$$

$$G_{cp4} := -1.2766 + 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4} = -1.045$$

$$p_4 := qh \cdot [G_{cp4} - (-G_{cpi})] \cdot 0.6$$

$$p_4 = -41.585 \cdot \text{psf}$$

Negative : zone5

$$G_{cp5} := -1.7532 + 0.3532 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp5} = -1.29$$

$$p_5 := qh \cdot [G_{cp5} - (-G_{cpi})] \cdot 0.6$$

$$p_5 = -49.907 \cdot \text{psf}$$

positive :zone4 & zone5

$$\underline{\underline{A}} := \frac{(7.83\text{ft})^2}{3} \quad A = 20.436 \text{ ft}^2$$

$$G_{cp4.5} := 1.1766 - 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4.5} = 0.945$$

$$p_{4.5} := qh \cdot [G_{cp4.5} + (-G_{cpi})] \cdot 0.6$$

$$p_{4.5} = 38.191 \cdot \text{psf}$$

Door Pressures for building h<60ft

Negative :zone4

$$A := 21\text{ft}^2$$

$$G_{cp4} := -1.2766 + 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4} = -1.043$$

$$p_4 := q_h \cdot [G_{cp4} - (-G_{cpi})] \cdot 0.6$$

$$p_4 = -41.514 \cdot \text{psf}$$

Negative : zone5

$$G_{cp5} := -1.7532 + 0.3532 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp5} = -1.286$$

$$p_5 := q_h \cdot [G_{cp5} - (-G_{cpi})] \cdot 0.6$$

$$p_5 = -49.765 \cdot \text{psf}$$

positive :zone4 & zone5

$$A := 21\text{ft}^2$$

$$G_{cp4.5} := 1.1766 - 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4.5} = 0.943$$

$$p_{4.5} := q_h \cdot [G_{cp4.5} + (-G_{cpi})] \cdot 0.6$$

$$p_{4.5} = 38.12 \cdot \text{psf}$$

window Pressures for building h<60ft

Negative :zone4

$$A := 10\text{ft}^2$$

$$G_{cp4} := -1.2766 + 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4} = -1.1$$

$$p_4 := q_h \cdot [G_{cp4} - (-G_{cpi})] \cdot 0.6$$

$$p_4 = -43.445 \cdot \text{psf}$$

Negative : zone5

$$G_{cp5} := -1.7532 + 0.3532 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp5} = -1.4$$

$$p_5 := q_h \cdot [G_{cp5} - (-G_{cpi})] \cdot 0.6$$

$$p_5 = -53.628 \cdot \text{psf}$$

positive :zone4 & zone5

$$A := 10\text{ft}^2$$

$$G_{cp4.5} := 1.1766 - 0.1766 \cdot \log\left(\frac{A}{\text{ft}^2}\right)$$

$$G_{cp4.5} = 1$$

$$p_{4.5} := q_h \cdot [G_{cp4.5} + (-G_{cpi})] \cdot 0.6$$

$$p_{4.5} = 40.051 \cdot \text{psf}$$

COMBINED AXIAL LOAD & BENDING COMPRESSION FOR MASONRY WALL:

VERTICAL LOADS :

DEAD LOADS:

DL := 465lbf

ASCE7 – 16

ZONE5 :P=-50psf 8 " cmu

LIVE LOADS:

LL := 0lbf

TRY : MASONRY WALL PARTIALLY
 GROUTED # 6 @48"

Maximun Calculated Axial Loads :

$$P := DL + LL$$

$$P = 465 \cdot \text{lbf}$$

Calculated Axial Stress:

$$f_a := \frac{P}{A_n} \quad A_n := 2 \cdot 1.25 \text{ in} \cdot 12 \text{ in}$$

$$A_n = 30 \cdot \text{in}^2$$

$$f_a = 15.5 \cdot \text{psi}$$

The Allowable Compression Stress is:

$$f_m := 1500 \text{ psi}$$

$$h := 8 \text{ ft}$$

$$r := 2.66 \text{ in}$$

$$F_a := .25 \cdot f_m \cdot \left[1 - \left(\frac{h}{140 \cdot r} \right)^2 \right]$$

$$F_a = 350.08 \cdot \text{psi}$$

Check Compressive Stress in Masonry

$$f_b = \frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k}$$

$$b := 48 \text{ in}$$

$$d := 3.81 \text{ in}$$

Concrete Block: Block width: $h_{\text{block}} := 7.625 \text{ in}$
 web thickness: $t_{\text{web}} := 1 \text{ in}$
 Shell thickness: $t_{\text{fs}} := 1.25 \text{ in}$
 Block cell width: $b_{\text{cell}} := 8 \text{ in} - 2 \cdot t_{\text{web}}$ $b_{\text{cell}} = 6 \cdot \text{in}$

Proposed spacing: $\text{Spacing} := 48 \text{ in}$ $\text{No_R_Cell} := 1$

Height of Wall: $h := 8 \text{ ft}$ $A_c := \left[(\text{Spacing}) \cdot t_{\text{fs}} \right] + \left[\left(\frac{h_{\text{block}}}{2} - t_{\text{fs}} \right) \cdot (b_{\text{cell}} + t_{\text{web}}) \right] \cdot \text{No_R_Cell}$

$$A_c = 77.937 \cdot \text{in}^2$$

$$A_s := .44 \text{ in}^2$$

$$E_s := 29000000 \text{ psi} \quad E_m := 900 \cdot \text{fpm}$$

$$\rho := \frac{A_s}{A_c}$$

$$\rho = 5.646 \times 10^{-3}$$

$$n := \frac{E_s}{E_m}$$

$$P := 50 \text{ psf}$$

$$n = 21.481$$

$$w := \text{Spacing} \cdot P$$

$$\rho \cdot n = 0.121$$

$$w = 200 \cdot \text{plf} \quad l := 8 \text{ ft}$$

$$M_w := \frac{1}{8} \cdot w \cdot l^2$$

$$M_w = 1600 \cdot \text{lb} \cdot \text{ft}$$

$$k := \sqrt{2 \cdot n \cdot \rho + (n \cdot \rho)^2} - n \cdot \rho$$

$$k = 0.386$$

$$j := 1 - \frac{k}{3}$$

$$F_b := \left(\frac{1}{3} \right) \cdot \text{fpm}$$

$$j = 0.871$$

$$f_b := \left(\frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k} \right)$$

$$f_b = 163.883 \cdot \text{psi}$$

$$\frac{f_b}{F_b} = 0.328$$

$$F_b = 500 \cdot \text{psi}$$

$$\left(\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) \right) = 0.372 \quad \blacksquare < 1.0$$

$$\text{Check} := \text{if} \left[\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) > 1.0, \text{"NO GOOD"}, \text{"OK"} \right]$$

$$\text{Check} = \text{"OK"}$$

CHECK BARS TENSION

$$M_w := \frac{1}{8} \cdot w_l \cdot l^2$$

$$w_l := 50 \text{psf}$$

$$l := 8 \text{ft}$$

$$F_s := 32 \text{ksi}$$

$$d := 3.81 \text{in}$$

$$M_w = 400 \cdot \text{lbft} \cdot \frac{\text{ft}}{\text{ft}}$$

$$A_{s'} := \frac{M_w}{j \cdot d \cdot F_s}$$

$$A_{s'} = 0.045 \cdot \frac{\text{in}^2}{\text{ft}}$$

$$A_s := .44 \text{in}^2$$

SPACING OF BARS

$$S := \frac{A_s}{A_{s'}}$$

$$S = 116.859 \cdot \text{in}$$

Zone 5 :Used # 6 @ 48"

COMBINED AXIAL LOAD & BENDING COMPRESSION FOR MASONRY WALL:

VERTICAL LOADS :

DEAD LOADS:

$$DL := 465 \text{ lbf}$$

ASCE7 – 16

ZONE4 : P = -41.6 psf 8 " cmu

LIVE LOADS:

$$LL := 0 \text{ lbf}$$

TRY : MASONRY WALL PARTIALLY
 GROUTED # 6 @ 48"

Maximun Calculated Axial Loads :

$$P := DL + LL$$

$$P = 465 \cdot \text{lbf}$$

Calculated Axial Stress:

$$f_a := \frac{P}{A_n} \quad A_n := 2 \cdot 1.25 \text{ in} \cdot 12 \text{ in}$$

$$A_n = 30 \cdot \text{in}^2$$

$$f_a = 15.5 \cdot \text{psi}$$

The Allowable Compression Stress is:

$$f_m := 1500 \text{ psi}$$

$$h := 8 \text{ ft}$$

$$r := 2.66 \text{ in}$$

$$F_a := .25 \cdot f_m \cdot \left[1 - \left(\frac{h}{140 \cdot r} \right)^2 \right]$$

$$F_a = 350.08 \cdot \text{psi}$$

Check Compressive Stress in Masonry

$$f_b = \frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k}$$

$$b := 48 \text{ in}$$

$$d := 3.81 \text{ in}$$

Concrete Block: Block width: $h_{\text{block}} := 7.625 \text{ in}$
 web thickness: $t_{\text{web}} := 1 \text{ in}$
 Shell thickness: $t_{\text{fs}} := 1.25 \text{ in}$
 Block cell width: $b_{\text{cell}} := 8 \text{ in} - 2 \cdot t_{\text{web}}$ $b_{\text{cell}} = 6 \cdot \text{in}$

Proposed spacing: $\text{Spacing} := 48 \text{ in}$ $\text{No_R_Cell} := 1$

Height of Wall: $h := 8 \text{ ft}$ $A_c := \left[(\text{Spacing}) \cdot t_{\text{fs}} \right] + \left[\left(\frac{h_{\text{block}}}{2} - t_{\text{fs}} \right) \cdot (b_{\text{cell}} + t_{\text{web}}) \right] \cdot \text{No_R_Cell}$

$$A_c = 77.937 \cdot \text{in}^2$$

$$A_s := .44 \text{ in}^2$$

$$E_s := 29000000 \text{ psi} \quad E_m := 900 \cdot \text{fpm}$$

$$\rho := \frac{A_s}{A_c}$$

$$\rho = 5.646 \times 10^{-3}$$

$$n := \frac{E_s}{E_m}$$

$$n = 21.481$$

$$\rho \cdot n = 0.121$$

$$M_w := \frac{1}{8} \cdot w \cdot l^2$$

$$M_w = 1331 \cdot \text{lb} \cdot \text{ft}$$

$$k := \sqrt{2 \cdot n \cdot \rho + (n \cdot \rho)^2} - n \cdot \rho$$

$$k = 0.386$$

$$j := 1 - \frac{k}{3}$$

$$P := 41.6 \text{ psf}$$

$$w := \text{Spacing} \cdot P$$

$$w = 166.4 \cdot \text{plf} \quad l := 8 \text{ ft}$$

$$F_b := \left(\frac{1}{3} \right) \cdot \text{fpm}$$

$$j = 0.871$$

$$f_b := \left(\frac{M_w \cdot 2}{b \cdot d^2 \cdot j \cdot k} \right)$$

$$F_b = 500 \cdot \text{psi}$$

$$f_b = 136.351 \cdot \text{psi}$$

$$\frac{f_b}{F_b} = 0.273$$

$$\left(\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) \right) = 0.317 < 1.0$$

$$\text{Check} := \text{if} \left[\left(\frac{f_a}{F_a} + \frac{f_b}{F_b} \right) > 1.0, \text{"NO GOOD"}, \text{"OK"} \right]$$

Check = "OK"

CHECK BARS TENSION

$$M_w := \frac{1}{8} \cdot w_1 \cdot l^2$$

$$w_1 := 41.6 \text{ psf}$$

$$l := 8 \text{ ft}$$

$$F_s := 32 \text{ ksi}$$

$$d := 3.81 \text{ in}$$

$$M_w = 333 \cdot \text{lb} \cdot \frac{\text{ft}}{\text{ft}}$$

$$A_s' := \frac{M_w}{j \cdot d \cdot F_s}$$

$$A_s' = 0.038 \cdot \frac{\text{in}^2}{\text{ft}}$$

$$A_s := .44 \text{ in}^2$$

SPACING OF BARS

$$S := \frac{A_s}{A_s'}$$

$$S = 140.456 \cdot \text{in}$$

Zone 4 :Used # 6 @ 48"



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 Street
Hialeah, Florida 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 NVTa, NVTAS, NVBH, NVUH, NVRT and NVTH Steel Wood Connectors

APPROVAL DOCUMENT: Drawing No. **NU-2**, titled “NVTa and NVTAS, NVBH 24 and NVUH 26, NVRT and NVTH”, sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance (NOA) number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: A permanent mark with the manufacturer’s name, acronym or logo is to be located on each unit. A permanent label with the manufacturer’s name or logo, city, state, model/series, and the statement reading ‘Miami-Dade County Product Control Approved’ is to be located on each packaging carton.

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 # **17-0802.09** and consists of this page 1 and evidence pages E1, E-2 and E3, as well as approval document mentioned above.

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



NOA No: 20-0519.03
Expiration Date: July 30, 2025
Approval Date: July 30, 2020
Page 1

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs****A. DRAWINGS**

1. Drawing No. **NU-2**, titled "NVRTA and NVRTAS, NVBH 24 and NVUH 26, NVRT and NVTH", sheets 1 through 4 of 4, dated 04/15/2015, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TEST "Submitted under NOA No. 05-0701.04"

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

	<u>Report No.</u>	<u>Wood Connector</u>	<u>Direction</u>	<u>Date</u>
1.	PT 02-4073	NVRTA	Upward	11/06/02
2.	PT 02-4075	NVRTA	Upward	11/07/02
3.	PT 02-4074	NVRTA	Upward	11/06/02
4.	PT 02-3938	NVRTA	Upward	08/06/02
5.	PT 03-4177	NVRT36	Upward	02/03/03
6.	PT 03-4202	NVRT36-T	Upward	02/19/03
7.	PT 03-4271	NVRT36-T	Upward	03/27/03
8.	PT 03-4270	NVRT24-T	Upward	03/27/03
9.	PT 02-4095	NVUH26	Up & Downward	01/17/03
10.	PT 02-4096	NVBH24	Up & Downward	12/03/02
11.	31-22456.0002	NVRTA & NVRTAS	Lateral	07/06/02
12.	PT 04-4698	NVTH24	Upward Parallel/Perpendicular	04/15/04
13.	PT 04-5036	NVTH24	Upward Load	12/10/04

C. CALCULATIONS "Submitted under NOA No. 04-1202.01"

Report of Design Capacities prepared by Vipin N. Tolat, P.E.

	<u>Product Model</u>	<u>No. of Pages</u>	<u>Date</u>	<u>Signature</u>
1.	NVBM24	7 through 8	05/05/03	V. N. Tolat, P.E.
2.	NVRT	9 through 14	05/05/03	V. N. Tolat, P.E.
3.	NVRTA & NVRTAS	1 through 6	05/05/03	V. N. Tolat, P.E.
4.	NVRTA & NVRTAS	1 through 14	02/06/03	V. N. Tolat, P.E.
5.	NVRT	15 through 15	07/07/03	V. N. Tolat, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 20-0519.03
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****F. STATEMENTS**

1. Statement letter of code conformance to 2010 and 5th (2014) edition of the FBC, issued by Vipin N. Tolat, P.E., dated 04/29/2015, signed and sealed by Vipin N. Tolat, P.E.

“Submitted under NOA No. 04-1202.01”

2. No Financial Interest and code compliance letter issued by Vipin N. Tolat, P.E., on 03/26/2003 signed and sealed by Vipin N. Tolat, P.E.

2. EVIDENCE SUBMITTED UNDER NOA # 17-0802.09**A. DRAWINGS**

1. Drawing No. **NU-2**, titled “NVRTA and NVRTAS, NVBH 24 and NVUH 26, NVRT and NVTH”, 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. TEST

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 5th Edition (2014) and 6th Edition (2017) FBC and of no financial interest, issued by Vipin N. Tolat, P.E., dated 07/25/2017, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 20-0519.03
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****3. NEW EVIDENCE SUBMITTED****A. DRAWINGS**

1. Drawing No. **NU-2**, titled “NVRTA and NVRTAS, NVBH 24 and NVUH 26, NVRT and NVTH”, sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. Verification calculations for compliance with the ASTM D7147-05 and ASTM D7147-11 prepared by Vipin N. Tolat, P.E. dated 04/28/2020, 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 6th Edition (2017) and the 7th Edition (2020) FBC and of no financial interest, issued by Vipin N. Tolat, P.E., dated 06/25/2020, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No: 20-0519.03
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

TABLE 1

Truss Anchors NVTAS and Riveted Truss Anchors with Seat NVTAS

H Length (in)	Product Code	Gauge seat	Gauge strap	No. of Fasteners each strap 10d	Maximum Allowable Load (lbs)
16	NVTAS-16	NVTAS 212	20	14	
18	NVTAS-18	NVTAS 214	20	14	
20	NVTAS-20	NVTAS 216	20	14	
22	NVTAS-22	NVTAS 218	20	14	
24	NVTAS-24	NVTAS 220	20	14	
26	NVTAS-26	NVTAS 222	20	14	
28	NVTAS-28	NVTAS 224	20	14	
30	NVTAS-30	NVTAS 226	20	14	
36	NVTAS-36	NVTAS 232	20	14	
48	NVTAS-48	NVTAS 244	20	14	

*Note: For 8 or more nails per strap, use double truss for double straps.

PRODUCT REVISED
as complying with the Florida Building Code

NOA-No. 20-0519.03

Expiration Date 07/30/2025

By *[Signature]*

Miami-Dade Product Control

1. 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.

2. Allowable loads and fasteners are based on NDS 2015.

3. Design loads are for S. Pine, specific gravity 0.55. Design loads for other species shall be adjusted per NDS 2015.

4. Allowable uplift loads have been adjusted for load duration factor CD of 1.6. Allowable gravity loads have been adjusted for CD values of 1.0, per NDS 2015. Design loads do not include 33% increase for steel and concrete.

5. Concrete in Tie beams shall be min. of 2500 psi. Concrete Masonry, Grout and mortar in concrete masonry shall be min. of 1500 psi. Concrete masonry shall comply with ASTM C90.

6. Combined load of Uplift, L1 and L2 shall satisfy the following equation.

$$\frac{\text{Actual Uplift}}{\text{Allowable Uplift}} + \frac{\text{Actual L1}}{\text{Allowable L1}} + \frac{\text{Actual L2}}{\text{Allowable L2}} \leq 1.0$$

7. Allowable loads are based on 1½" thick wood members unless otherwise noted.

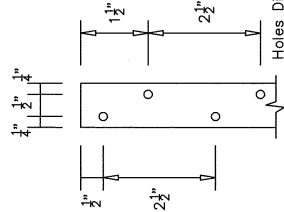
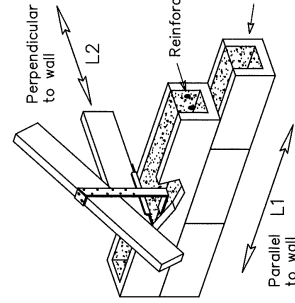
8. All designs Conform to FBC 2017, ASTM D1761 and ASTM D7147.

TABLE 2

Truss Anchors NVTAS and Riveted Truss Anchors with Seat NVTAS

H Length (in)	Product Code	Gauge seat	Gauge strap	No. of Fasteners each strap 10d x 1.5"	Maximum Allowable Load (lbs)
16	NVTAS-16	NVTAS 212	20	14	
18	NVTAS-18	NVTAS 214	20	14	
20	NVTAS-20	NVTAS 216	20	14	
22	NVTAS-22	NVTAS 218	20	14	
24	NVTAS-24	NVTAS 220	20	14	
26	NVTAS-26	NVTAS 222	20	14	
28	NVTAS-28	NVTAS 224	20	14	
30	NVTAS-30	NVTAS 226	20	14	
36	NVTAS-36	NVTAS 232	20	14	
48	NVTAS-48	NVTAS 244	20	14	

*Note: For 8 or more nails per strap, use double truss for double straps.



NVTAS, NVTAS

VIPIN N. TOLAT, PE (CIVIL)
FL REG. # 12847
15123 LANTERN CREEK LANE
HOUSTON, TX 77068

Nu-Vue Industries, Inc.

1053-1059 East 29 Street
Hialeah, Florida 33013
PHONE: (305) 694-0397
FAX: (305) 694-0398

NVTAS AND NVTAS TRUSS ANCHORS

DWG #:

Sheet:

Date:

1 of 4

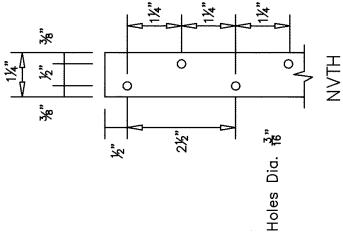
Mar 5, 2020

[Signature]
5/17/2020

TABLE 7

Truss Anchors NVTH

H Length (in)	Product Code	Gauge seat	Gauge strap	No. of Fasteners in each Strap 10d x 1.5"	Maximum Uplift Loads (lbs)	
					Single Strap on Single Truss	Double Straps on Double Truss
12	NVTH-16	18	14	5	1032	2064
14	NVTH-18	18	14	6	1222	2444
16	NVTH-20	18	14	7	1275	2550
18	NVTH-22	18	14	8	1329	2658
20	NVTH-24	18	14	9	1383	2766
22	NVTH-26	18	14	10	1437	2874
24	NVTH-28	18	14	11	1490	2980
26	NVTH-30	18	14	12	1544	3088
32	NVTH-36	18	14	13	1598	3196
44	NVTH-48	18	14			

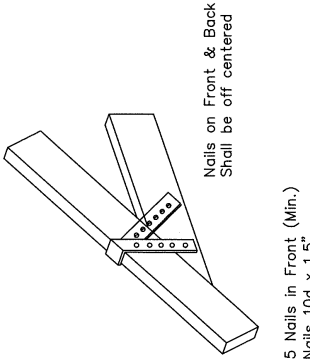
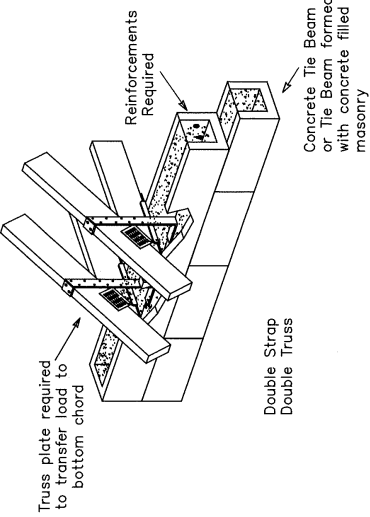
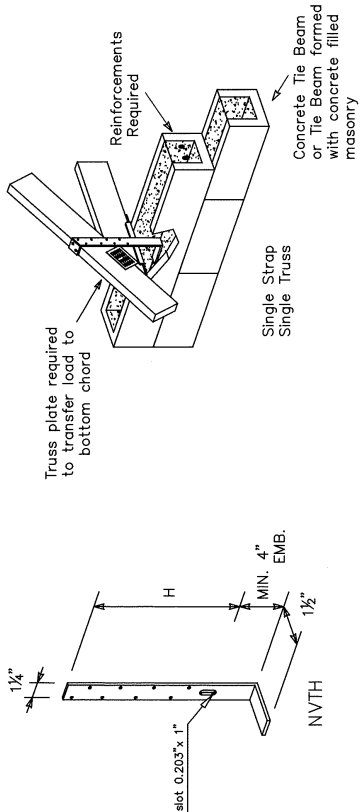


VIPIN N. TOLAT, PE (CIVIL)
FL. REG. # 12847
15123 LANTERN CREEK LANE
HOUSTON, TX 77068

Nu-Vue Industries, Inc.
1053-1059 East 29 Street
Hialeah, Florida 33013
Phone: (305) 694-0397
Fax: (305) 694-0398

NVTH ANCHORS

DWG #:	Sheet:	Date:	Revisions:
NU-2	4 of 4	May 5, 2020	



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0519.03
Expiration Date 07/30/2025
By [Signature]
Miami-Dade Product Control

For General Notes, see sheet 1



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 29th Street
Hialeah, Florida 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 NVSNP, NV/NVTH, NVTHS, NVHC, NVSTA and NVHTA Steel Wood Connectors

APPROVAL DOCUMENT: Drawing No. **NU-5**, titled "Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat", sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E., 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: A permanent mark with the manufacturer's name, acronym or logo is to be located on each unit. A permanent label with the manufacturer's name or logo, city, state, model/series, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on each packaging carton.

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 # 17-0802.07** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020
Page 1

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs****A. DRAWINGS “Submitted under NOA #15-0507.03”**

1. Drawing No. NU-5, titled “Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat”, sheets 1 through 4 of 4, dated 04/15/2015, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS “Submitted under NOA # 04-0510.03”

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

	<u>Report No.</u>	<u>Wood Connector</u>	<u>Direction</u>	<u>Date</u>
1.	PT # 03-4482	NVSNP3	Downward	09/15/03
2.	PT # 03-4625	NVHCL/R	Up& Sideways	01/21/04
3.	PT # 04-4641	NVSTA-24H	Up& Sideways	03/17/04
4.	PT # 04-4698	NVTH24	Up& Sideways	04/15/04
5.	PT # 03-4590	NVTH26/NV458	Sideways	12/31/03
6.	PT # 04-4642	NVHTA-24H	Up& Sideways	03/22/04
7.	PT # 03-4543	NVTH20/NV358	Up& Sideways	12/19/03

C. CALCULATIONS “Submitted under NOA # 09-0721.05”

1. Report of Design Capacities, dated 06/30/2009, sheets 1 through 12 of 12, prepared, signed and sealed by Vipin N. Tolat, P.E.

“Submitted under NOA # 04-0510.03”

2. Report of Design Capacities dated 04/27/2004, sheet 1 through 12, prepared, 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. STATEMENT “Submitted under NOA #15-0507.03”

1. Statement letter of code conformance to 2010 and 5th (2014) edition of the FBC, issued by Vipin N. Tolat, P.E., dated 04/29/2015, signed and sealed by Vipin N. Tolat, P.E.

“Submitted under NOA # 09-0721.05”

2. Statement letter of code conformance, no financial interest and no change of product, dated 07/08/2009, issued, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Nu-Vue Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 17-0802.07

A. DRAWINGS

1. Drawing No. **NU-5**, titled “Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat”, 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. STATEMENT

1. Statement letter of code conformance to the 5th Edition (2014) and 6th Edition (2017) FBC, issued by Vipin N. Tolat, P.E., dated 07/25/2017, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

Nu-Vue Industries, Inc.**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED****3. NEW EVIDENCE SUBMITTED****A. DRAWINGS**

1. Drawing No. **NU-5**, titled “Skewed Nail Plate, NV358 & NV458 with Double NVTH Straps, NVTH/NVTHS Anchors & NVHC Hurricane Clips and NVSTA & NVHTA Heavy Duty Anchors with Seat”, sheets 1 through 4 of 4, dated 06/25/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

B. TESTS

1. Verification calculations for compliance with the ASTM D7147-05 and ASTM D7147-11, prepared by Vipin N. Tolat, P.E. dated 05/18/2020, signed and sealed by Vipin N. Tolat, P.E.

C. CALCULATIONS

1. None.

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 6th Edition (2017) and the 7th Edition (2020) FBC and of no financial interest, issued by Vipin N. Tolat, P.E., dated 06/25/2020, signed and sealed by Vipin N. Tolat, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-0526.05
Expiration Date: July 30, 2025
Approval Date: July 30, 2020

TABLE 3: NV458 - 14G Double NVTH Straps with 3 ply 18G seat

Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in 2 Straps 10d x 3"	Allowable Loads (lbs)	
				Uplift	L1 L2
NV458-12	NVTH16	12	8	2245	2783 2078
NV458-14	NVTH18	14	8	2525	3131 2338
NV458-16	NVTH20	16	12	2806	3479 2597
NV458-20	NVTH24	20	14	3086	3827 2857
NV458-22	NVTH26	22	16	3367	4175 3117

TABLE 2: NV358 - 14G Double NVTH Straps with 2 ply 18G seat

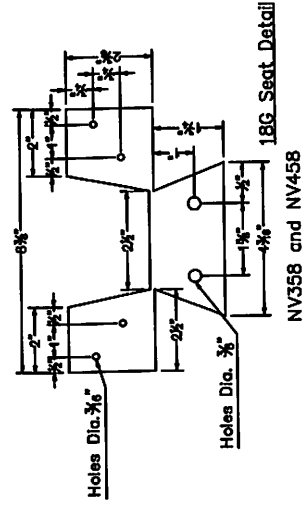
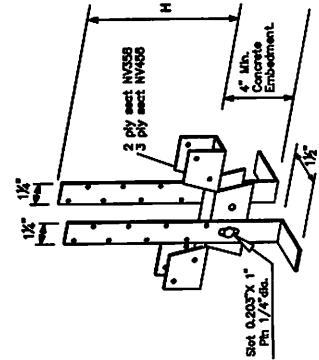
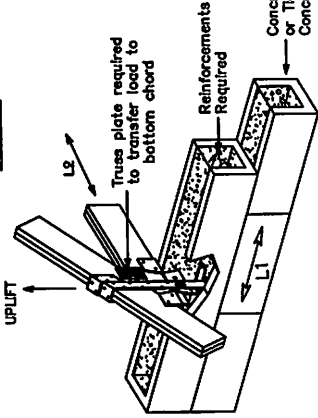
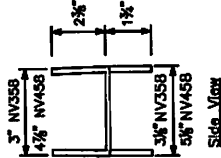
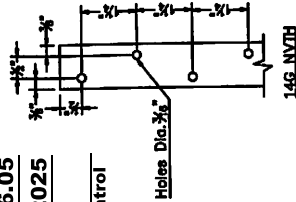
Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in 2 Straps 10d x 3"	Allowable Loads (lbs)	
				Uplift	L1 L2
NV358-12	NVTH16	12	8	2245	1861 1839
NV358-14	NVTH18	14	8	2525	2206 2088
NV358-16	NVTH20	16	12	2806	2452 2288
NV358-20	NVTH24	20	14	3086	2697 2528
NV358-22	NVTH26	22	16	3367	2942 2758

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0526.05

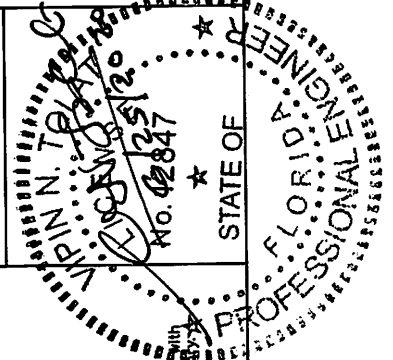
Expiration Date 07/30/2025
By [Signature]
Miami-Dade Product Control

Notes:

1. Minimum embedment into concrete 4".
2. Nails are necessary in straps and seat to achieve design loads.
3. See Note 6 (Sheet 1) for combined load.
4. Nails through chords shall not force the truss plate on the opposite side.
5. For general notes, see sheet 1.



VIPIN N. TOLAT, PE (CIVIL)
FL REG. # 12847
16123 LANTERN CREEK LANE
HOUSTON, TX 77068



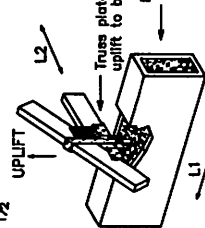
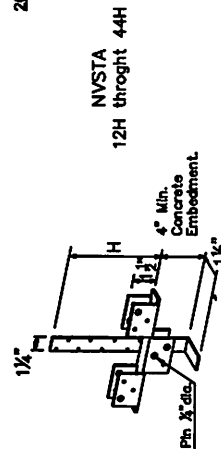
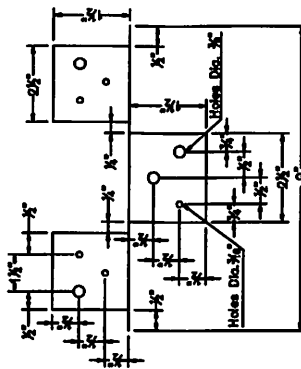
Nu-Vue Industries, Inc.
1089-1089 East 99 Street
Hialeah, Florida 33013
Phone: (305) 894-0897
Fax: (305) 894-0888

NV358 & NV458 WITH DOUBLE NVTH STRAPS
DWG #: Sheet:
NU-5 2 of 4
Date:
June 28, 2020

TABLE 6

NVSTA—Heavy Duty Anchors with 14G NVTH Straps and 1 ply 20G seat

Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in Strap 10d x 1 1/2"	Total No. of Fasteners in 20 GA. Seat 10d x 1 1/2"	Allowable Loads (lbs)		
					Uplift	L1	L2
NVSTA-12H	NVTH16	12	5	6	1308	700	1049
NVSTA-14H	NVTH18	14	6	6	1426	760	1144
NVSTA-16H	NVTH20	16	7	6	1545	823	1239
NVSTA-18H	NVTH24	18	8	6	1664	887	1335
NVSTA-20H	NVTH26	20	9	6	1783	950	1430



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0526.05
Expiration Date 07/30/2025
By *[Signature]*
Miami-Dade Product Control

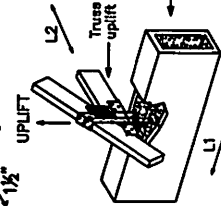
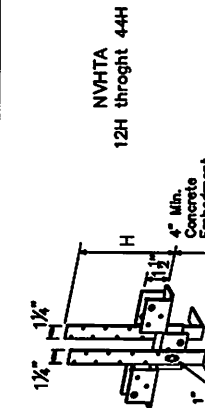
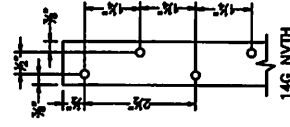
TABLE 7

NVHTA—Heavy Duty Anchors with 14G Double NVTH Straps and 1 ply 20G seat

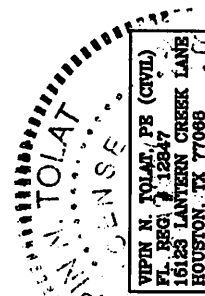
Assembly Product Code	14G Strap Product Code	Dimension H (Inches)	Total No. of Fasteners in two Straps 10d x 1 1/2"	Total No. of Fasteners in 20 GA. Seat 10d x 1 1/2"	Allowable Loads (lbs)		
					Uplift	L1	L2
NVHTA-12H	NVTH16	12	10	6	1772	2078	1450
NVHTA-14H	NVTH18	14	12	6	1994	2338	1631
NVHTA-16H	NVTH20	16	14	6	2215	2588	1812
NVHTA-18H	NVTH24	18	16	6	2437	2858	1994
NVHTA-20H	NVTH26	20	18	6	2658	3117	2175

Notes:

1. Nails are necessary in straps and seat to achieve, design loads.
2. See note 6, sheet 1 for combined loading.
3. Nails through chords shall not force the truss plates.
4. For general notes, see sheet 1.
5. For higher uplift loads, concrete shall be 3000 psi.
6. Based on min. 2500 psi concrete.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0526.05
Expiration Date 07/30/2025
By *[Signature]*
Miami-Dade Product Control



Nu-Vue Industries, Inc.
1063-1069 East 28 Street
Hialeah, Florida 33013
Phone: (305) 894-0397
Fax: (305) 894-0388

NVSTA & NVHTA HEAVY DUTY ANCHORS WITH SEAT
DWG #: Sheet: Date:
NU-5 4 of 4 June 26, 2020



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 29th 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. 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., 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 **revises** NOA # 18-0312.06 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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



NOA No. 20-0901.05
Expiration Date: May 22, 2023
Approval Date: November 5, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**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.

	<u>Report No.</u>	<u>Wood Connector</u>	<u>Load Direction</u>	<u>Date</u>
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 5th 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
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 5th Edition (2014) and 6th 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
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 6th 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. 20-0901.05
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence Submitted

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 6th Edition (2017) and 7th 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
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Deep Seat Truss Anchor.

They are designed to resist lateral and uplift forces. The strap is made of 14 gauge steel and the seats are made of 20 gauge steel.

