



MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

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

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

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

**NOTICE OF ACCEPTANCE (NOA)**

**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: NVWS Wood Screws and NVHGA10 Steel Hurricane Gusset Angle**

**APPROVAL DOCUMENT:** Drawing No. **JA-2029.4-23**, titled "NVWS WOOD SCREWS AND NVHGA10 STEEL HURRICANE GUSSET ANGLE", sheets 1 through 4 of 4, dated 01/11/2024, prepared by Javad Ahmad PE, Inc., signed and sealed by Javad Ahmad, P.E. on 02/06/2024, 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 # 23-0221.07** 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 **Sifang Zhao, P.E.**



*S.Z.*  
04/11/2024

**NOA No. 24-0213.08**  
**Expiration Date: December 30, 2025**  
**Approval Date: April 11, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under NOA # 20-1007.03**

**A. DRAWINGS**

1. Drawing No. NU-4, titled “Wood Screws and Gusset Angle”, sheets 1 through 2 of 2, dated 11/13/2020, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

**B. TESTS**

Test reports on NVWS Fasteners and NVHGA10 Steel Hurricane Gusset Angles, prepared by FTL a QAI Company:

	<u>Report No.</u>	<u>Testing Standard</u>	<u>Date</u>	<u>Seal &amp; Signature</u>
1.	12272	ASTM D1037-12	08/26/20	Idalmis Ortega, P.E.
2.	12272	ASTM D1761-06/-20	08/26/20	Idalmis Ortega, P.E.
3.	12272	AISI S904-17	08/26/20	Idalmis Ortega, P.E.
4.	12272	ASTM F1575-17	08/26/20	Idalmis Ortega, P.E.
5.	11041	ASTM D7147-05/-11	07/06/20	Idalmis Ortega, P.E.
6.	11041	ASTM E8-13a/-16	07/06/20	Idalmis Ortega, P.E.

**C. CALCULATIONS**

1. Design calculations, prepared by Vipin N. Tolat, P.E., dated 11/13/2020, 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. Drawing statement of code conformance to the 6<sup>th</sup> edition (2017) and 7<sup>th</sup> edition of the FBC, issued by Vipin N. Tolat, P.E., dated 11/13/2020, signed and sealed by Vipin N. Tolat, P.E.
2. Statement letter of no financial interest, issued by Vipin N. Tolat, P.E., dated 09/25/2020, signed and sealed by Vipin N. Tolat, P.E.



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**Sifang Zhao, P.E.**  
**Product Control Examiner**  
**NOA No. 24-0213.08**  
**Expiration Date: December 30, 2025**  
**Approval Date: April 11, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under NOA # 21-0201.03**

**A. DRAWINGS**

1. Drawing No. NU-4, titled "Wood Screws and Gusset Angle", sheets 1 through 3 of 3, dated 01/04/2021, prepared by Nu-Vue Industries, Inc., signed and sealed by Vipin N. Tolat, P.E.

**B. TESTS**

1. Test reports on the allowable loads in the F1, F2, F3 and Uplift directions of NVHGA10 Steel Hurricane Gusset Angles attached to the concrete beam using (4) 1/4"x1-3/4" HWH Tapcons and to truss using (4) NVWS1.5 Screws, per ASTM D7147-05 and ASTM D7147-11, ASTM C39-20 and ASTM E8/E8M, prepared by FTL a QAI Company, Test Report No. 12356, dated 12/11/2020, signed and sealed by Idalmis Ortega.

**C. CALCULATIONS**

1. Design calculations, prepared by Vipin N. Tolat, P.E., dated 01/06/2021, 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. None.



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**Sifang Zhao, P.E.**  
**Product Control Examiner**  
**NOA No. 24-0213.08**  
**Expiration Date: December 30, 2025**  
**Approval Date: April 11, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. EVIDENCE SUBMITTED under NOA#23-0221.07 and newer**

**A. DRAWINGS**

1. Drawing No. **JA-1958.4-22**, titled “NOA No. 21-0201.03 Revision”, sheets 1 through 4 of 4, dated 02/07/2023, prepared by Javad Ahmad PE, Inc., signed and sealed by Javad Ahmad, P.E. on 04/11/2023. *“Submitted under NOA # 21-0201.03”*
2. Drawing No. **JA-2029.4-23**, titled “NVWS WOOD SCREWS AND NVHGA10 STEEL HURRICANE GUSSET ANGLE”, sheets 1 through 4 of 4, dated 01/11/2024, prepared by Javad Ahmad PE, Inc., signed and sealed by Javad Ahmad, P.E. on 02/06/2024. *“Submitted under NOA # 24-0213.08”*

**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. *“Submitted under NOA # 21-0201.03”*
2. Allowable loads calculations, prepared by Javad Ahmad PE, Inc., dated 01/23/2024, signed and sealed by Javad Ahmad, P.E. *“Submitted under NOA #24-0213.08”*

**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. *“Submitted under NOA #23-0221.07”*
2. Statement letter of code conformance to the 8<sup>th</sup> Edition (2023) of the FBC and of no financial interest, issued by Javad Ahmad PE, Inc., dated 01/23/2024, signed and sealed by Javad Ahmad, P.E. *“Submitted under NOA #24-0213.08”*



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Sifang Zhao, P.E.  
Product Control Examiner  
NOA No. 24-0213.08  
Expiration Date: December 30, 2025  
Approval Date: April 11, 2024

# NU-VUE INDUSTRIES, INC.

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



**JAVAD AHMAD PE, inc**

8800 NW 23rd St, Miami FL

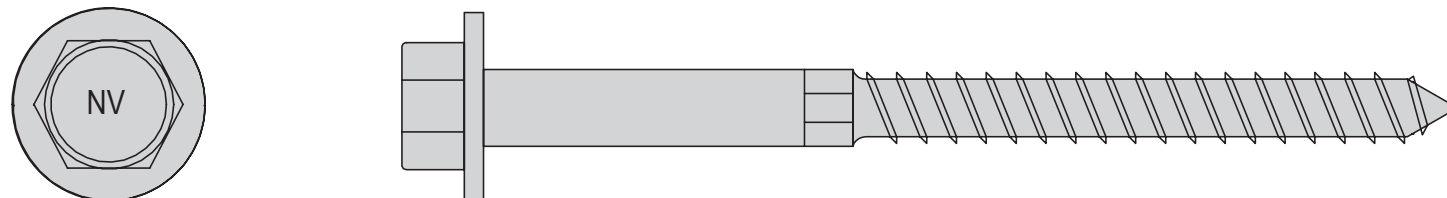
33172

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## NVWS WOOD SCREW



## GENERAL NOTES:

1. ALLOWABLE LOADS AND ALL FASTENERS ARE BASED ON NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION 2018.
2. 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 2018.
3. 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 CHANGES.
4. DESIGN LOADS DO NOT INCLUDE 33% INCREASE FOR STEEL AND CONCRETE.
5. ALLOWABLE UPLIFT LOADS HAVE BEEN ADJUSTED FOR LOAD DURATION FACTOR CD OF 1.6. APPLICABLE TO WIND AND EARTHQUAKE LOAD PER NDS 2018.
6. DESIGN CONFORMS TO 2023 EDITION OF FLORIDA BUILDING CODE AND NDS 2018.
7. COMBINED LOAD OF UPLIFT, L1 AND L2 SHALL SATISFY THE FOLLOWING EQUATION.

$$\frac{\text{ACTUAL UPLIFT}}{\text{ALLOWABLE UPLIFT}} + \frac{\text{ACTUAL L1}}{\text{ALLOWABLE L1}} + \frac{\text{ACTUAL L2}}{\text{ALLOWABLE L2}} \leq 1.0$$

8. ALL TESTS HAVE BEEN CONDUCTED IN ACCORDANCE WITH ASTM D-1761.
9. 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.

## NVHGA10



## NVHGAM10



## MATERIAL

1. **WOOD**  
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.
2. **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.
3. **NAIL**  
NAILS SHALL MEET THE REQUIREMENTS IN TABLE AND THE REQUIREMENTS SPECIFIED IN ASTM F 1667.
4. **GFCMU MASONRY**  
MATERIAL AND QUALITY OF MASONRY CONSTRUCTION MUST COMPLY WITH THE APPLICABLE SECTIONS OF FBC 2023. MINIMUM CONCRETE OR GROUT COMPRESSIVE STRENGTH SHALL BE 1500 PSI. CONCRETE MASONRY SHALL COMPLY WITH ASTM C90
5. **CONCRETE**  
MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI.
6. **STEEL**  
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.

## REFERENCES:


1. AISC 360-16
2. AISI S100-16
3. FBC 2023
4. ACI 318-19

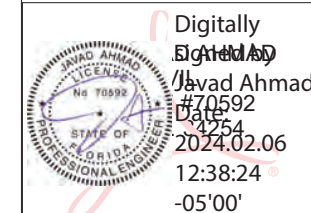
NVWS WOOD SCREWS AND NVHGA10  
STEEL HURRICANE GUSSET ANGLE

**NU-VUE INDUSTRIES, INC**

1055 East 29th Street  
Hialeah, FL. 33013

drawing no.	date:	REVISION	
		DATE	DESCRIPTION
JA-2029-4-23	01/11/2024	BY	

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0213.08  
Expiration Date 12/30/2025  
By   
Miami-Dade Product Control

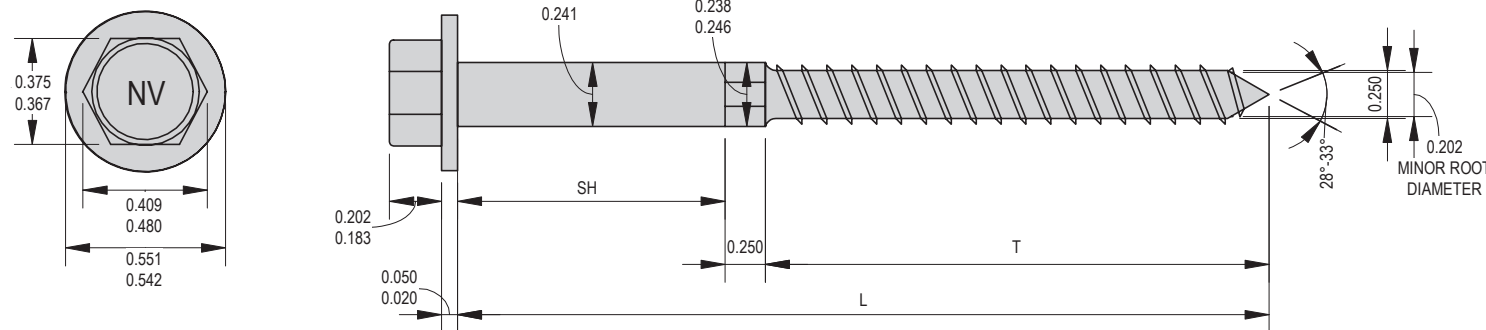


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Javad Ahmad  
Date:  
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# NVWS SCREW

TABLE 1  
NVWS-WOOD SCREW SPECIFICATIONS, BENDING YIELD STRENGTH  
AND ALLOWABLE SCREW STRENGTH

FASTNER DESIGNATION	SCREW DIMENSIONS (inches)			BENDING YIELD 1 STRENGTH Fyb (psi)	SCREW ULTIMATE STRENGTH (lbs)		ALLOWABLE SCREW DESIGN STRENGTH (lbs)	
	OVERALL LENGTH L	SH(in.)	THREAD LENGTH T		TENSION	SHEAR	TENSION*	SHEAR*
NVWS3	3"	3/4"	2-1/4"	156,893	4563	2715	1521	905



**NVWS SCREW**

**NOTES:**

- SEE GENERAL NOTES, SHEET 1.
- DO NOT USE BENDING YIELD STRENGTH TO CALCULATE LATERAL DESIGN VALUES PER NDS. USE LATERAL DESIGN VALUES AS SHOWN IN TABLE 3.
- \*ALLOWABLE DESIGN LOADS ARE ULTIMATE LOADS DIVIDED BY A FACTOR OF SAFETY OF 3.
- NVWS WOOD SCREWS ARE MANUFACTURED FROM SAEC - 1022 STEEL WITH A ZINC YELLOW CHROMATE FINISH.
- LOADS SHOWN IN TABLES 2, 3 AND 4 CAN BE INCREASED BY ADJUSTMENT FACTOR CD=1.6 FOR UPLIFT AND LATERAL LOADS AND OTHER ADJUSTMENT FACTORS IN ACCORDANCE WITH NDS 2018.

TABLE 5  
SPACING AND EDGE DISTANCE  
MINIMUM SPACING BETWEEN FASTENERS = 2"  
MINIMUM EDGE DISTANCE = 3/4"

TABLE 2  
WITHDRAWAL DESIGN VALUES FOR NVWS SCREWS  
WOOD SPECIFIC GRAVITY 0.5, MOISTURE CONTENT > 11%

FASTNER DESIGNATION	SCREW LENGTH (inches)	THREAD LENGTH (inches)	WITHDRAWAL DESIGN VALUE (lbs)	WITHDRAWAL DESIGN VALUE lbs/inch OF THREAD LENGTH
NVWS1.5	1-1/2"	1-1/4"	175	141
NVWS3	3"	2"	296	148

TABLE 3  
LATERAL DESIGN VALUES FOR SINGLE SHEAR NVWS SCREWS  
WOOD SPECIFIC GRAVITY 0.5, MOISTURE CONTENT > 11%

FASTNER DESIGNATION	14G STEEL TO WOOD lbs.	WOOD TO WOOD lbs.
NVWS1.5	201	-
NVWS3	308	236

TABLE 4  
PULL THROUGH DESIGN VALUES FOR NVWS SCREWS  
WOOD SPECIFIC GRAVITY 0.5, MOISTURE CONTENT > 11%

FASTNER DESIGNATION	PULL THROUGH DESIGN VALUE lbs
NVWS1.5	313
NVWS3	351

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By Miami-Dade Product Control



**JAVAD AHMAD PE, inc**  
8800 NW 23rd St, Miami FL 33172  
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NVWS WOOD SCREWS AND NVHGA10 STEEL HURRICANE GUSSET ANGLE

**NU-VUE INDUSTRIES, INC**  
1055 East 29th Street  
Hialeah, FL. 33013

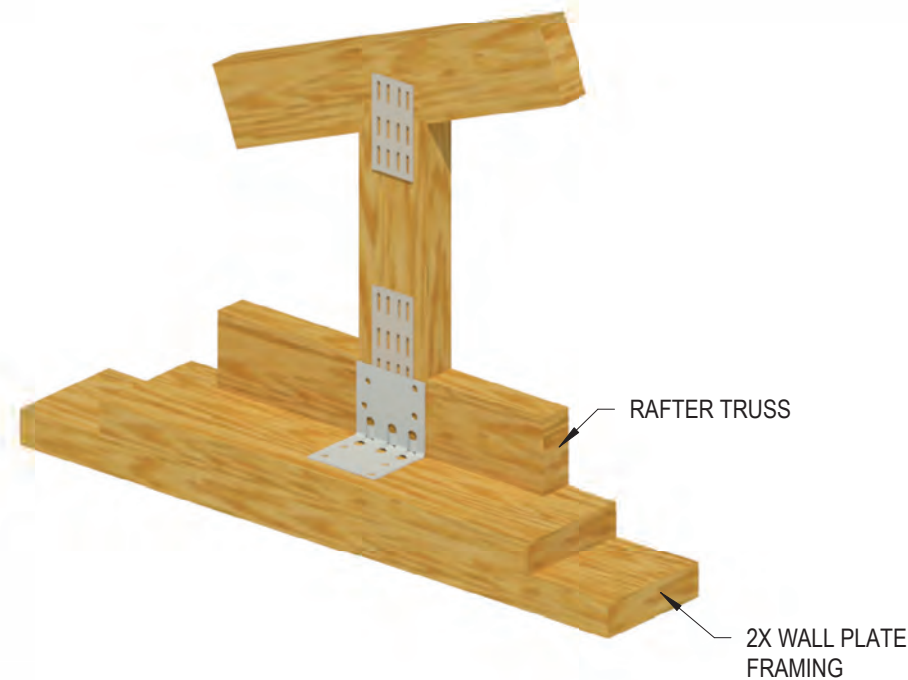
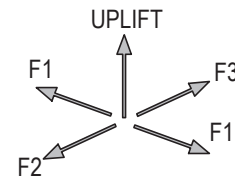
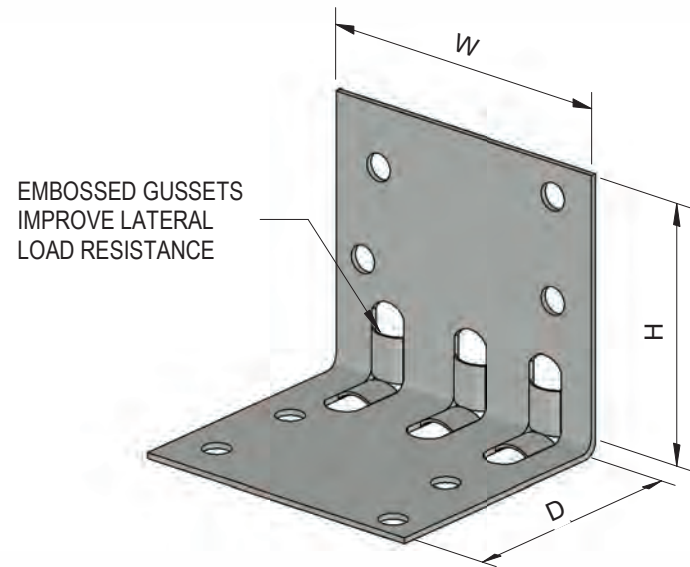
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# NVHGA10

TABLE 6  
NVHGA10 HURRICANE GUSSET ANGLE ALLOWABLE LOADS


PRODUCT DESIGNATION	STEEL GAGE	DIMENSIONS (inches)			FASTNER SCHEDULE				ALLOWABLE LOADS (lbs.)			
		W	H	D	PLATE		RAFTER/TRUSS		F1	F2*	F3	UPLIFT
					QTY.	TYPE	QTY.	TYPE				
NVHGA10	14	3-1/2"	3	2	4	NVWS3	4	NVWS1.5	1286	1091	1120	790



**NVHGA10**

**NOTES:**

- \*ALLOWABLE LOADS IN THE F2 DIRECTION ARE BASED ON COMPRESSION PERPENDICULAR TO GRAIN DESIGN VALUE, F<sub>c</sub> OF 565 PSI OR GREATER
- ALLOWABLE LOADS AND FASTENERS ARE BASED ON TABLES 1-5, SHEET 2
- SEE GENERAL NOTES ON SHEET 1

**PRODUCT REVISED**  
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NWWS WOOD SCREWS AND NVHGA10 STEEL HURRICANE GUSSET ANGLE

**NU-VUE INDUSTRIES, INC**  
1055 East 29th Street  
Hialeah, FL. 33013

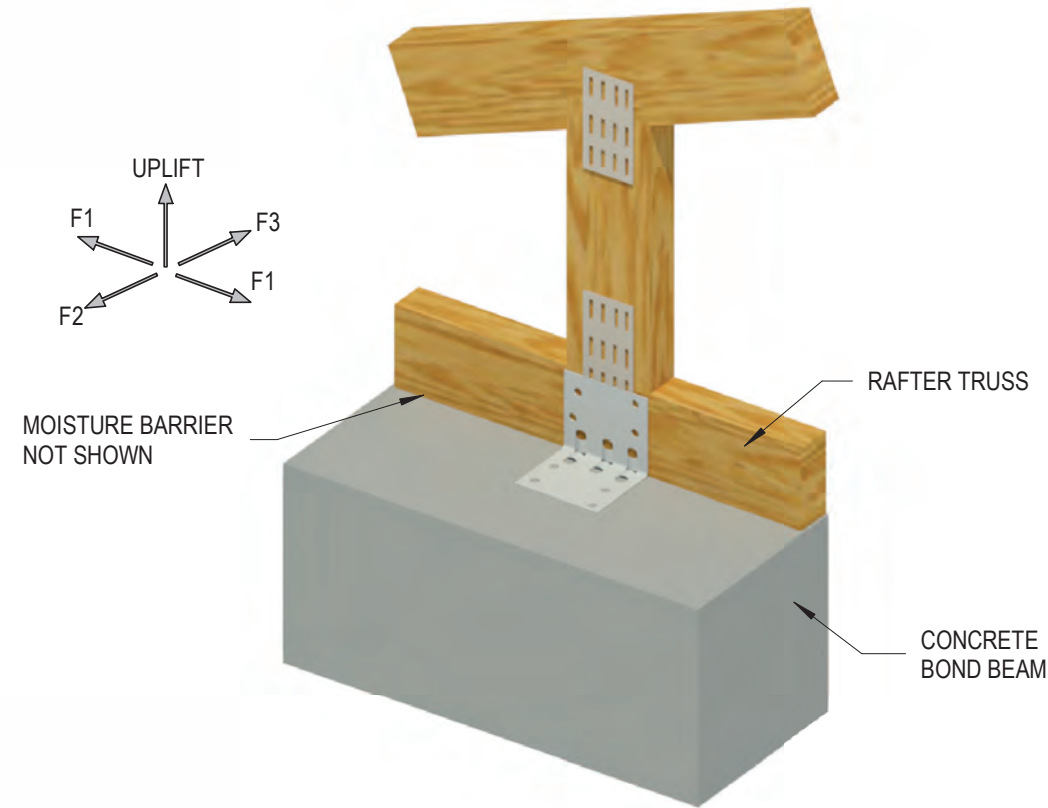
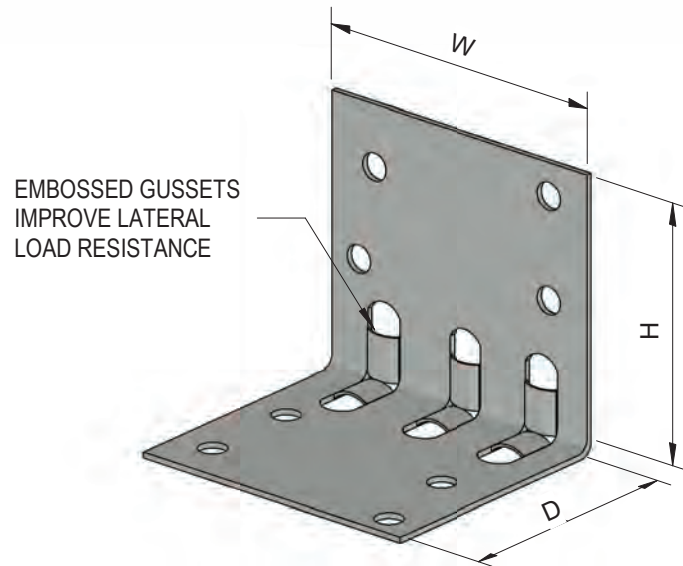
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# NVHGAM10

TABLE 7  
NVHGAM HURRICANE GUSSET ANGLE ALLOWABLE LOADS

PRODUCT DESIGNATION	STEEL GAGE	DIMENSIONS (inches)			FASTNER SCHEDULE				ALLOWABLE LOADS (lbs.)			
		W	H	D	CONCRETE MASONRY		RAFTER/TRUSS		F1	F2*	F3	UPLIFT
					QTY.	TYPE	QTY.	TYPE				
NVHGAM10	14	3-1/2"	3	2-7/8"	4	1/4" X 1-3/4" TAPCONS	4	NVWS1.5	1102	1102	820	1080



**NVHGAM10**

**NOTES:**

1. ALLOWABLE LOADS AND FASTENERS ARE BASED ON TABLES 1-5, SHEET 2. ALLOWABLE LOADS IN CONCRETE ARE BASED ON NOTES 3 & 4.
2. \*ALLOWABLE LOADS IN THE F2 DIRECTION ARE BASED ON COMPRESSION PERPENDICULAR TO GRAIN DESIGN VALUE, F<sub>c</sub> OF 565 PSI OR GREATER
3. TAPCON DESIGN VALUES ARE BASED ON PERFORMANCE TABLES BY BUILDEX. ALL INSTALLATIONS ARE BASED ON RECOMMENDATIONS BY BUILDEX.
4. CONCRETE VALUES ARE BASED ON F<sub>c</sub> = 2000PSI.
5. SEE GENERAL NOTES ON SHEET 1



**JAVAD AHMAD PE, inc**  
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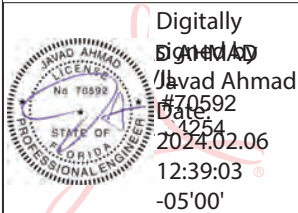
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NWWS WOOD SCREWS AND NVHGA10  
STEEL HURRICANE GUSSET ANGLE

**NU-VUE INDUSTRIES, INC**  
1055 East 29th Street  
Hialeah, FL. 33013

drawing no.	date:	BVS	drawn by:	SU	check by:	REVISION	
						DATE	DESCRIPTION
JA-2029.4-23	01/11/2024					BY	
						DATE	
						No.	

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Digitally  
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Javad Ahmad  
Date  
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