



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: NVWS Wood Screws and NVHGA10 Steel Hurricane Gusset Angle

APPROVAL DOCUMENT: 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, 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 # 21-0201.03** 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. 23-0221.07
Expiration Date: December 30, 2025
Approval Date: May 18, 2023
Page 1

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 & 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 6th edition (2017) and 7th 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.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0221.07
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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) ¼"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.



Carlos M. Utrera, P.E.
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED

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.

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 7th 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.

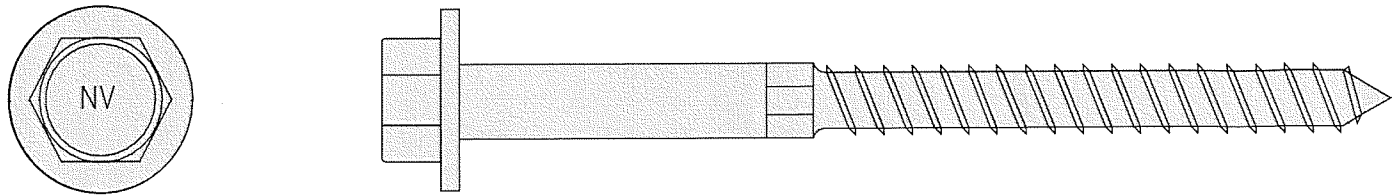


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NU-VUE INDUSTRIES, INC.

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

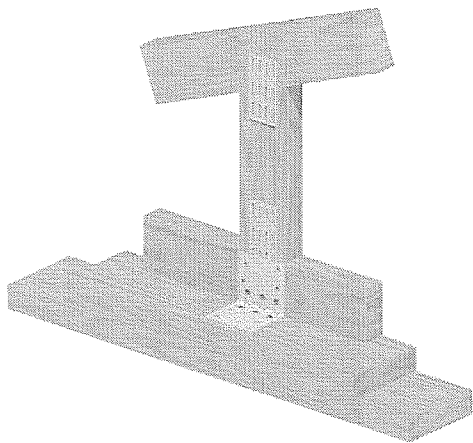
NVWS WOOD SCREW



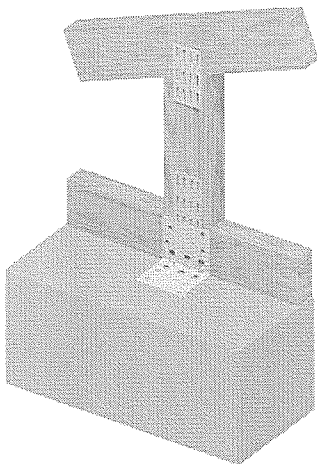
GENERAL NOTES:

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 0.50. 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 2020 EDITION OF FLORIDA BUILDING CODE AND NDS 2018.
7. COMBINED LOAD OF UPLIFT, L1 AND L2 SHALL SATISFY THE FOLLOWING EQUATION.
$$\frac{\text{ACTUAL UPLIFT}}{\text{ALLOWABLE UPLIFT}} + \frac{\text{ACTUAL F1}}{\text{ALLOWABLE F1}} + \frac{\text{ACTUAL F2,F3}}{\text{ALLOWABLE F2,F3}} \leq 1.0$$
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 2020. 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 40, MIN. YIELD 40 KSI, MIN. TENSILE STRENGTH 55 KSI AND MIN. GALVANIZED COATING OF G 60 PER ASTM A653.

REFERENCES:

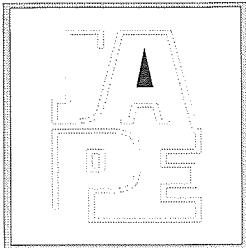
1. AISC 360-16
2. AISI S100-16
3. FBC 2020
4. ACI 318-19

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-0221.07

Expiration Date 12/30/2025

By 
Miami-Dade Product Control



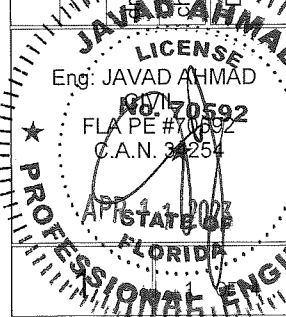
JAVAD AHMAD PE, inc
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CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

CLIENT :	NU-VUE INDUSTRIES, INC	
	PROJECT :	
NOA NO. 21-0201.03 REVISION		

REVISION	DESCRIPTION	
	BY	DATE
No.		

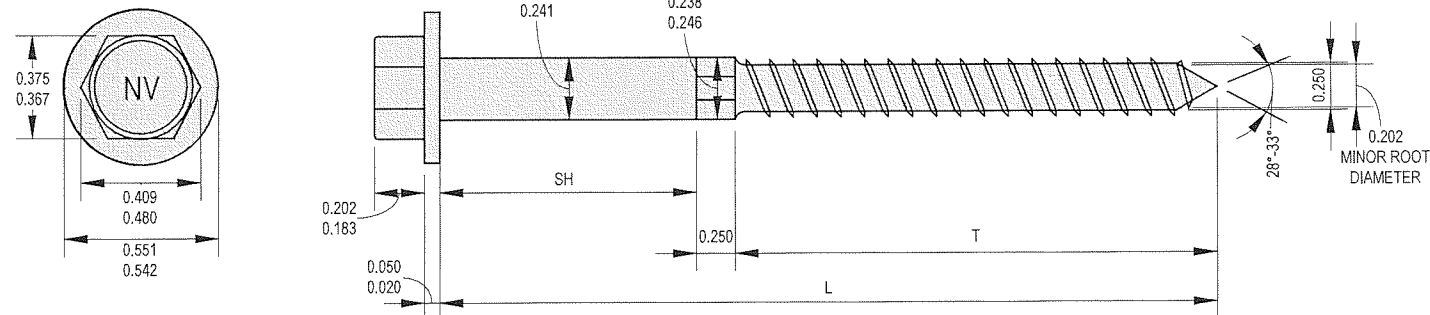
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drawn by:	BVS
checked by:	SJ



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*
NVWS1.5	1-1/2"	1/4"	1-1/4"	174,906	4452	2754	1484	918
NVWS3	3"	3/4"	2-1/4"	156,893	4563	2715	1521	905



NVWS SCREW

NOTES:

1. SEE GENERAL NOTES, SHEET 1.
2. DO NOT USE BENDING YIELD STRENGTH TO CALCULATE LATERAL DESIGN VALUES PER NDS. USE LATERAL DESIGN VALUES AS SHOWN IN TABLE 3.
3. *ALLOWABLE DESIGN LOADS ARE ULTIMATE LOADS DIVIDED BY A FACTOR OF SAFETY OF 3.
4. NWWS WOOD SCREWS ARE MANUFACTURED FROM SAEC - 1022 STEEL WITH A ZINC YELLOW CHROMATE FINISH.
5. 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.

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

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

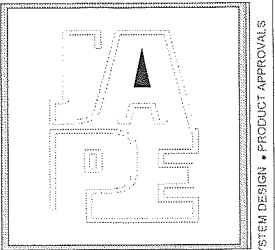
TABLE 3
LATERAL DESIGN VALUES FOR SINGLE SHEAR NVWS SCREWS
WOOD SPECIFIC GRAVITY 0.5, MOISTURE CONTENT > 11%

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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CLIENT:

NU-VUE INDUSTRIES, INC.

PROJECT : NOA NO. 21-0201.03 REVISION

REVISION

DESCRIPTION

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07/02/2023

AS INDICATED	
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INDICATED	BVS	SJ
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NO. 4-22

date:

Scale:

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100-443887-1000

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Fig. 1

CIVIL
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Front

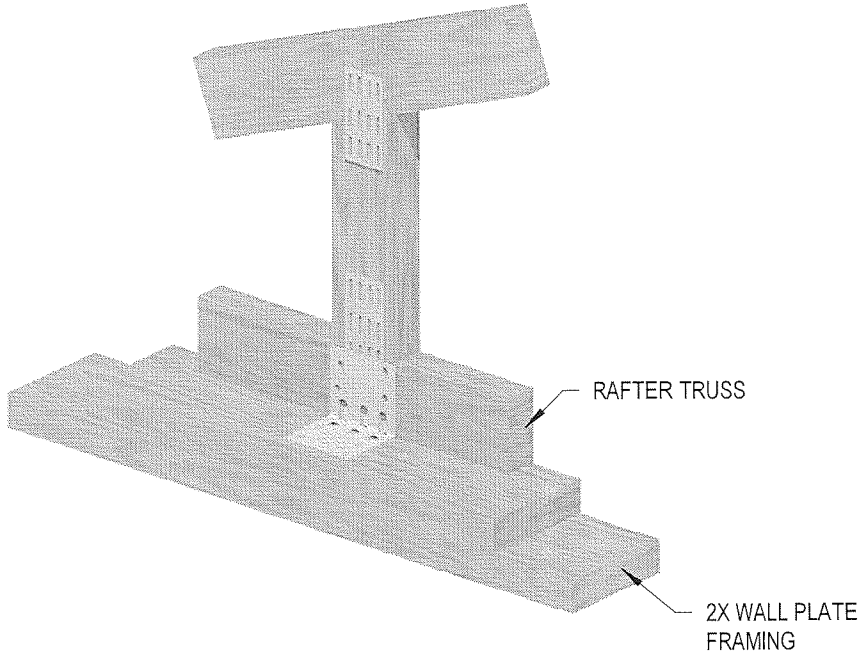
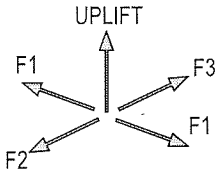
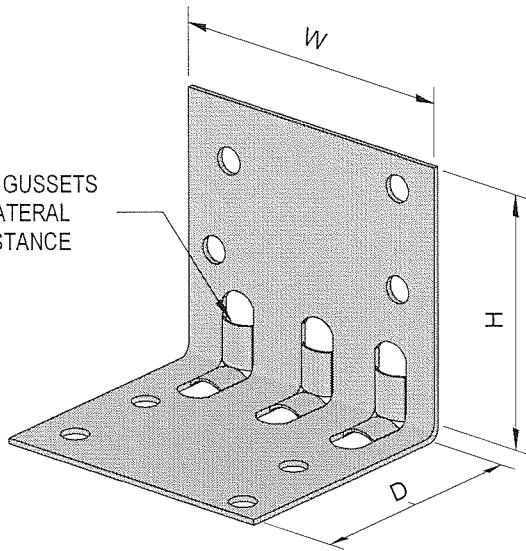
OF 4

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


EMBOSSED GUSSETS
IMPROVE LATERAL
LOAD RESISTANCE

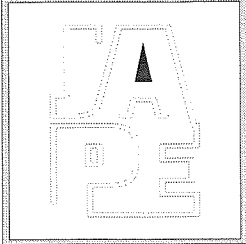


NVHGA10

NOTES:

1.
- *ALLOWABLE LOADS IN THE F2 DIRECTION ARE BASED ON COMPRESSION PERPENDICULAR TO GRAIN
DESIGN VALUE, F_c OF 565 PSI OR GREATER
2.
- ALLOWABLE LOADS AND FASTENERS ARE BASED ON TABLES 1-5, SHEET 2
3.
- SEE GENERAL NOTES ON SHEET 1

PRODUCT REVISED
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CLIENT :
NU-VUE INDUSTRIES, INC

PROJECT :
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REVISION	DESCRIPTION	BY	DATE	No.

07/02/2023

AS INDICATED

BVS

SJ

DATE: 07/02/2023

BY: JAVAD AHMAD

ENG: JAVAD AHMAD

NO. 23-0221.07

FLA PE #0592

C.A.N. 34254

STATE OF FLORIDA

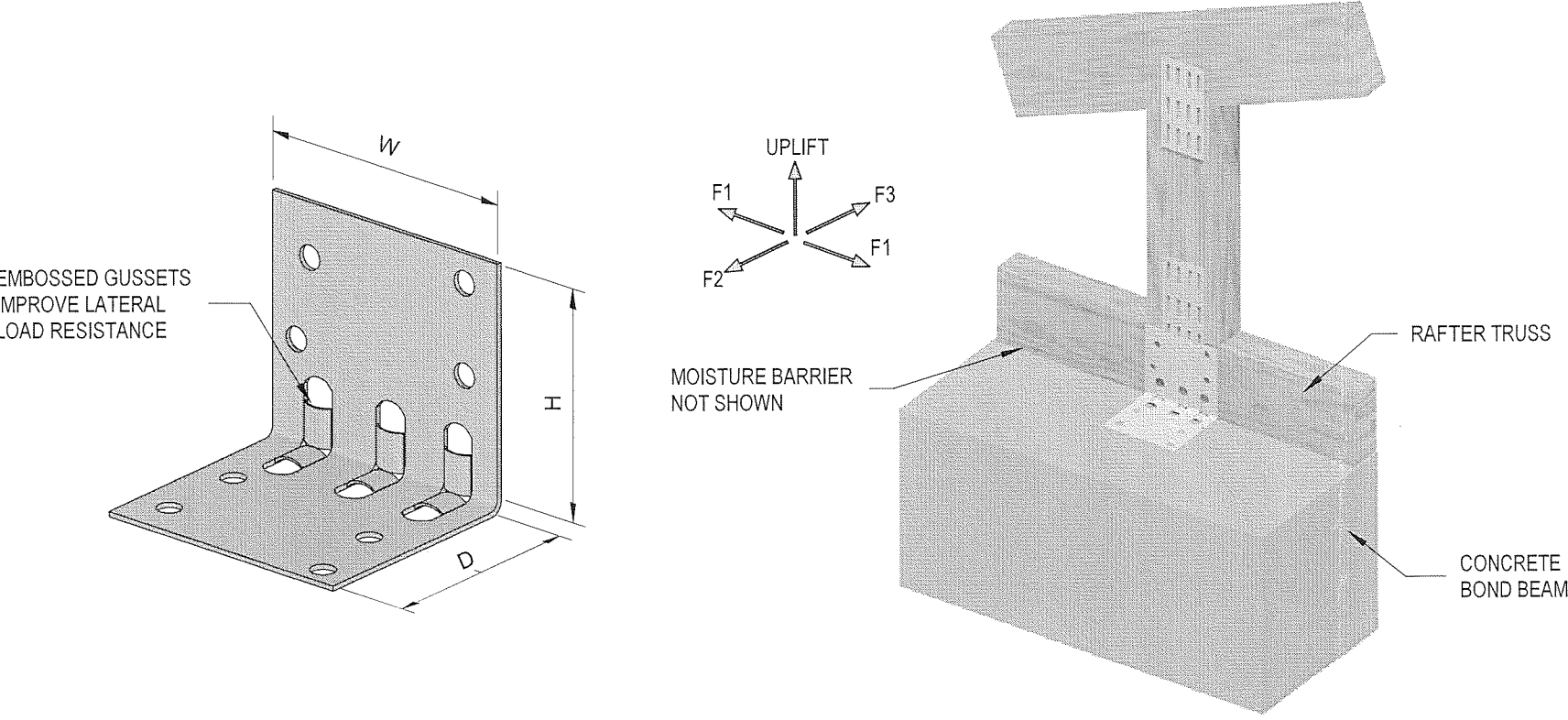
PROFESSIONAL ENGINEER

3 OF 4

NVHGAM10


TABLE 7
NVHGAM HURRICANE GUSSET ANGLE ALLOWABLE LOADS

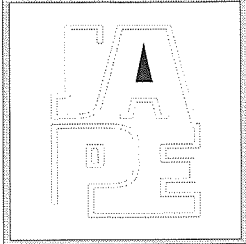
PRODUCT DESIGNATION	STEEL GAGE	DIMENSIONS (inches)			FASTNER SCHEDULE				ALLOWABLE LOADS (lbs.)			
		W	H	D	CONCRETE MASONRY		RAFTER/TRUSS		F1	F2*	F3	UPLIFT
					QTY.	TYPE	QTY.	TYPE	Cd=1.6			
NVHGAM10	14	3-1/2"	3	2-7/8"	4	1/4" X 1-3/4" TAPCONS	4	NVWS1.5	1102	1102	820	1080



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, Fc 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'c = 2000PSI.
 - 5. SEE GENERAL NOTES ON SHEET 1

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REVISION	DESCRIPTION	BY	DATE	No.

07/02/2023

AS INDICATED

BVS

SJ

DATE: 07/02/2023

BY: BVS

ENG: JAVAD AHMAD PE, INC.

NOA NO. 21-0201.03 REVISION

APR 11 2023

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FLA PE #70592

C.A.N. 34254

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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