NVRTR - RETROFIT STRAP 14G X 1-1/4"

FL# 47105

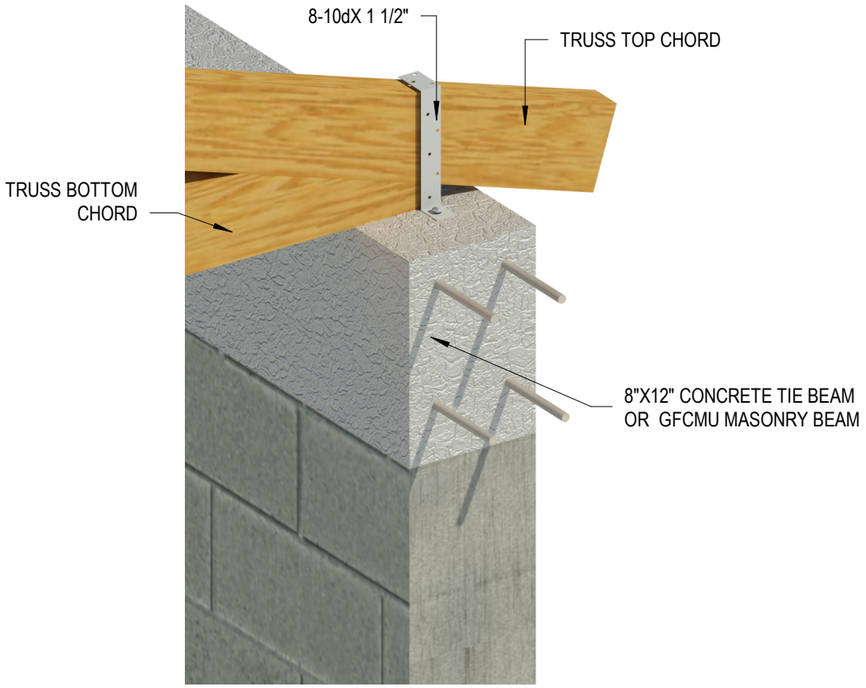
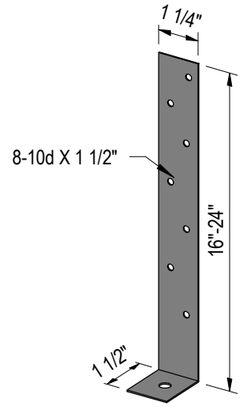
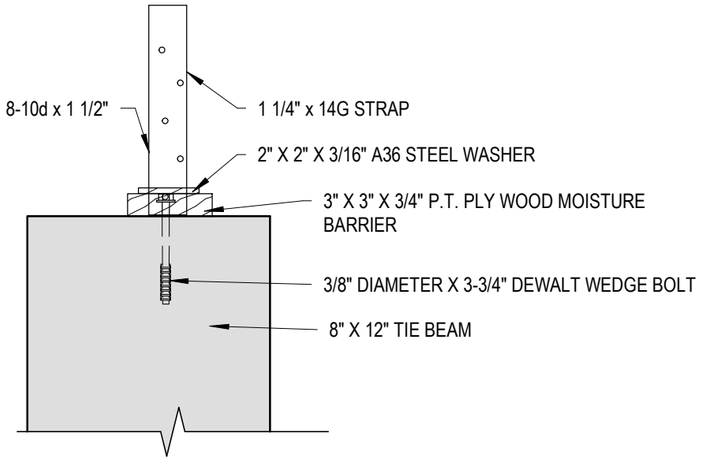


TABLE 1 : ALLOWABLE LOAD CAPACITY

PRODUCT CODE	STRAP LENGTH (IN)	ALLOWABLE LOADS (lbf)	
		UPLIFT	SHEAR
NVRTR	16" - 24"	1045	226





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. *CONCRETE*
   MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI.
5. *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.
6. *MASONRY*
   MINIMUM 2000 PSI GRADE

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. POWER WEDGE BOLTS ARE 3/8" DIA. X 3 3/4" AND SHALL BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
8. PROVIDE MINIMUM NO. OF 8-10d X 1 1/2" NAILS INTO THE WOODEN RAFTER.
9. THE LATERAL LOADS SHALL NOT EXCEED THE TRUSS CHORD CAPACITY.
10. LATERAL LOADS COMBINED WITH UPLIFT LOADS, SHALL SATISFY THE FOLLOWING EQUATION:

$$\frac{\text{ACTUAL UPLIFT}}{\text{ALLOWABLE UPLIFT}} + \frac{\text{ACTUAL L1}}{\text{ALLOWABLE L 1}} + \frac{\text{ACTUAL L2}}{\text{ALLOWABLE L2}} \leq 1.0$$

11. ALL TESTS HAVE BEEN CONDUCTED IN ACCORDANCE WITH ASTM D-1761.
12. THE DESIGN LOADS LISTED ARE BASED ON THE LEAST VALUE OF THE FOLLOWING:
    a. THE LOWEST ULTIMATE LOAD DIVIDED BY THREE.
    b. THE LOWEST LOAD PRODUCING 1/8 " DEFLECTION.
    c. CALCULATIONS BASED ON NDS,AISI AND OTHER APPLICABLE CODES.

REFERENCES:

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

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CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

NVRTR RETROFIT STRAP
14G X 1-1/4"

CLIENT :

NU-VUE INDUSTRIES, INC

1055, E 29TH STREET,
HIALEAH, FL 33013

REVISION

No.	DATE	BY	DESCRIPTION

Date:	10/25/2024
Scale:	N/A
Drawn by:	PK
Check by:	BS
Drawing no.	JA-1269-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

JAVAD AHMAD LICENSE No 70592 STATE OF FLORIDA PROFESSIONAL ENGINEER

date: 10/25/2024