



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Alpine Engineered Products, Inc.**  
**1950 Marley Drive**  
**Haines City ,FL 33844**

Your application for Notice of Acceptance (NOA) of:

**Alpine HS Truss Connector Plate**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez  
Chief Product Control Division

**ACCEPTANCE NO.: 01-0404.08**  
**EXPIRES: 05/14/2006**

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL**  
**CONDITIONS**  
**BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 07/19/2001**



**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE:**

- 1.1** This renews the Notice of Acceptance No. 98-0327.06 that was issued on 05/14/98. It approves Truss Plates as described in Section 2 of this Notice of Acceptance designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County. For the locations where the actual load as determined by the South Florida Building Code Chapter 23, do not exceed the allowable loads indicated in the approved drawings.

**2. PRODUCT DESCRIPTION:**

- 2.1** The **Alpine HS Truss Connector Plates** shall be constructed in strict compliance with the following document: Drawing No. HSDade, sheet 1 of 1, titled "Alpine HS Truss Plates", dated 06/21/01, prepared by Alpine Engineered Products, Inc. They bear the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS:**

- 3.1** The design values apply to the hydraulic pneumatic and multiple pass roller presses.

**4. INSTALLATION:**

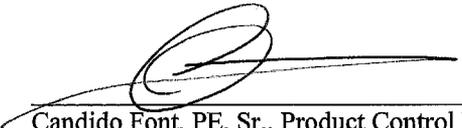
- 4.1** Alpine truss plates shall be used in the fabrication of prefabricated trusses of the species listed as they were tested, in strict compliance with this Notice of Acceptance and the applicable section of the South Florida Building Code.
- 4.2** Alpine truss plates shall be installed in strict compliance with the manufacturer's instructions, this Notice of Acceptance and the applicable Sections of the South Florida Building Code.

**5. LABELING:**

- 5.1** Each truss plate shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

**6. BUILDING PERMIT REQUIREMENTS:**

- 6.1** Application for Building Permit shall be accompanied by copies of the following:
- 6.1.1** This Notice of Acceptance
- 6.1.2** Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance.
- 6.1.3** Any other document required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Candido Font, PE, Sr., Product Control Examiner  
Product Control Division

Alpine Engineered Products, Inc.

ACCEPTANCE NO: 01-0404.08

APPROVED : JUL 19 2001

EXPIRES: 05/14/2006

**NOTICE OF ACCEPTANCE STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.



Candido Font, PE, Sr., Product Control Examiner  
Product Control Division

**END OF THIS ACCEPTANCE**

**Alpine Engineered Products, Inc.**

**ACCEPTANCE NO: 01-0404.08**

**APPROVED: JUL 19 2001**

**EXPIRES: 05/14/2006**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**EVIDENCE SUBMITTED**

**A Drawings**

1 Drawing prepared by Alpine Engineered Products, Inc. titled "Alpine HS Truss Plate", Drawing No. HSDade, sheet 1 of 1, dated 06/21/01, signed and sealed by S. L. Lewis, PE.

**B Test**

1 Test Report in accordance with ANSI/TPI-1995 prepared by ATC/A TEC, Project No. 58070.0001, dated 03/25/97, consisting of 91 pages and tables, signed and sealed by P. G. Read, PE.

**C Calculations**

1 Calculations of Tooth Holding Design Values per TPI 1-1995 prepared by Alpine Engineered Products, Inc. on 04/09/97 and signed by S. L. Lewis, PE.

**D Material Certification**

**E Statements**

1 No Product Change Statement, prepared by Alpine Engineered Products, Inc. on 04/30/2001 signed and sealed by S. L. Lewis, PE.

  
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Candido Font, PE, Sr., Product Control Examiner  
Product Control Division

## LATERAL RESISTANCE

Allowable Loads in lb/sq.in. of plate for Southern Pine (0.55 S.G.)

Wood Width	Press Type	Direction of Grain & Load with Respect to Length of Plate			
		AA	EA	AE	EE
>2.0 in	Standard	184	125	129	112
	Roller	134	110	94	99
≤2.0 in	Standard	165	116	129	112
	Roller	121	103	94	99

- Notes:
1. Design values are based on 0.4375" end distance and 0" edge distance.
  2. Standard values apply to hydraulic, pneumatic and multiple pass roller presses.
  3. Roller values apply to single pass roller presses with 18" or greater diameter rollers.
  4. Single pass rollers are based on  $Q_r=0.731$  at P0 (AA & AE) and  $Q_r=0.885$  at P90 (EA & EE) orientations.
  5. Values for wood width  $\leq 2.0$  in. must be used for plates embedded on faces of wood members that are equal to or less than 2" wide.

## SHEAR LOAD EFFICIENCY

Direction of Load With Respect to Length of Plate	Shear Resistance Effectiveness Ratio
0 degrees	41.9%
30 degrees	64.6%
60 degrees	89.1%
90 degrees	58.2%
120 degrees	44.5%
150 degrees	40.2%

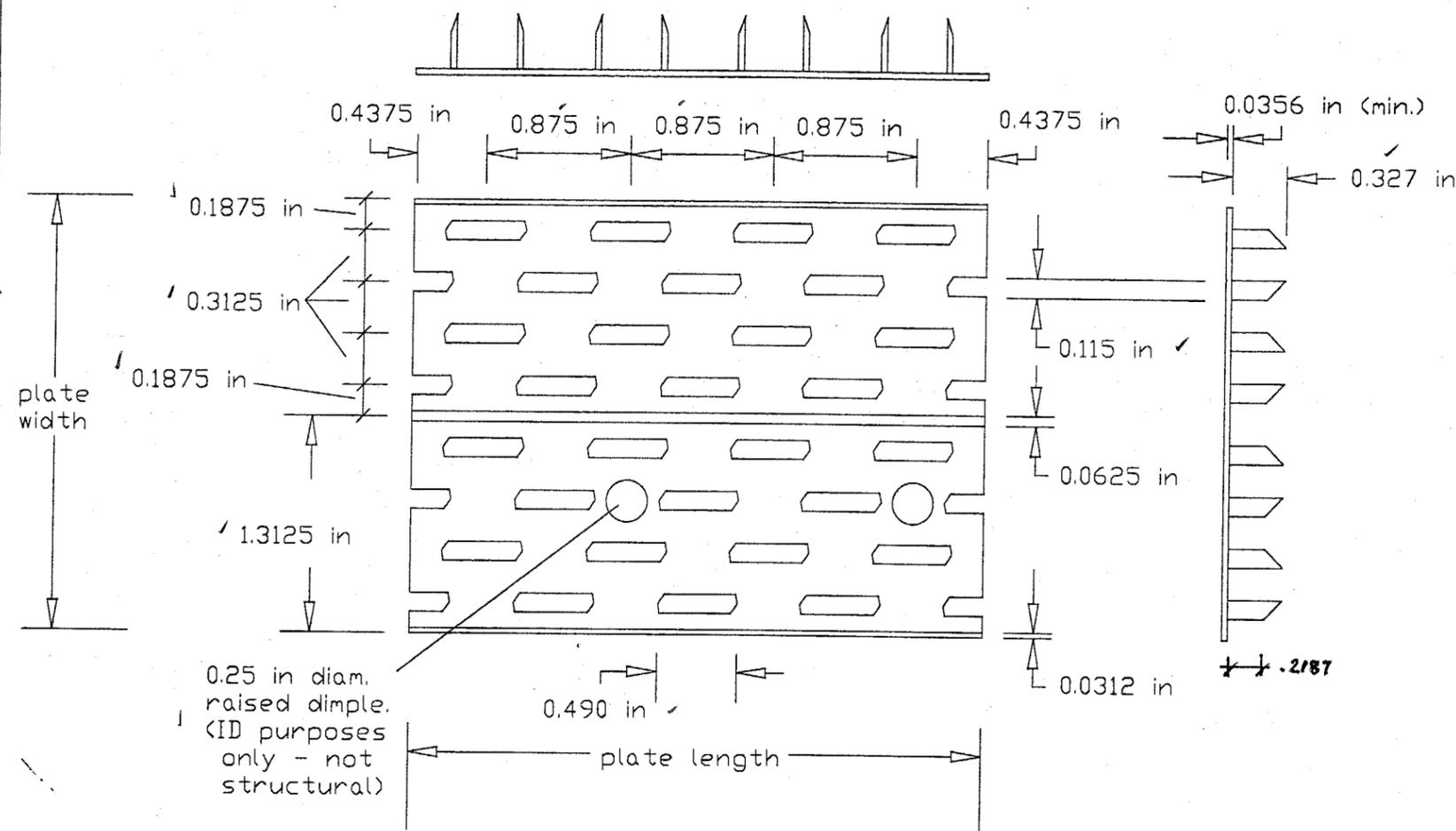
## TENSION LOAD EFFICIENCY

Parallel	Perpendicular
69.4%	22.1%

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE JUL 19 2001  
BY [Signature]  
PRODUCT CONTACT DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 01-0909.08



## ALPINE HS TRUSS PLATE



HS plate sizes show width as multiples of 1.3125" and lengths as multiples of 0.875". This drawing shows size HS24 (2.625 x 3.5 in).

### TRUSS PLATE CHARACTERISTICS

- Thickness: 0.0356 inches (20 gage)
- Steel Grade: ASTM A653-00 HSLAS Grade 60 Type B
- Coating: G60 per ASTM A653-00
- Teeth: 7 Teeth/sq. in.
- Size: Increments of 1.3125" width and 0.875" length
- Other: Slots are 0.115 in wide x 0.49 in long aligned parallel to the plate length and spaced 0.3125 in o.c. across the width of the plate and 0.875 in o.c. along the length of the plate. Adjacent slots are staggered 0.4375 inches along the length of the plate from each other. Slots are grouped in sets of four, with sets of slots divided by a 0.063 in wide embossment running the length of the plate, as shown above.

MANUFACTURER: Alpine Engineered Products, Inc. 1950 Marley Dr. Haines City, FL 33844 (ph# 863-422-8685)	
TITLE: Alpine HS Truss Plate	
DRAWING NUMBER: HSDade	DRAWING DATE: 06/21/01
SHEET NUMBER: 1	REVISION DATE: original
FL-ENG: Stuart L. Lewis, P.E. Number 45927	