MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.miamidade.gov/buldingcode

NOTICE OF ACCEPTANCE (NOA)

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Alpine HS Connector Plate

APPROVAL DOCUMENT: Drawing No. **HSDade**, titled "Alpine HS Truss Plate", sheet 1 of 1, dated 06/21/01 with last revision dated 08/16/07, prepared by ITW Building Components Group, Inc, signed and sealed by Stuart L. Lewis, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 **renews NOA # 06-0510.04** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

PRODUCT CONTROL ACCEPTED

9/21/07

ITW Building Components Group, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **HSDade**, titled "Alpine HS Truss Plate", sheet 1 of 1, dated 06/21/01 with last revision dated 08/16/07, prepared by ITW Building Components Group, Inc, signed and sealed by Stuart L. Lewis, P.E.

B. TESTS

1. Test reports on Lateral Resistance Test, Tension and Shear Strength Tests per ANSI/TPI 1-2002, along with marked-up drawings and Tensile Test per ASTM E8-04, prepared by PFS Corporation, Report No. 06-54, dated 07/18/07, signed and sealed by James A. Rothman, P.E.

C. CALCULATIONS

1. Calculations for Lateral Resistance Values per ANSI/TPI 1-2002, dated 08/16/07, signed and sealed by Stuart L. Lewis, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

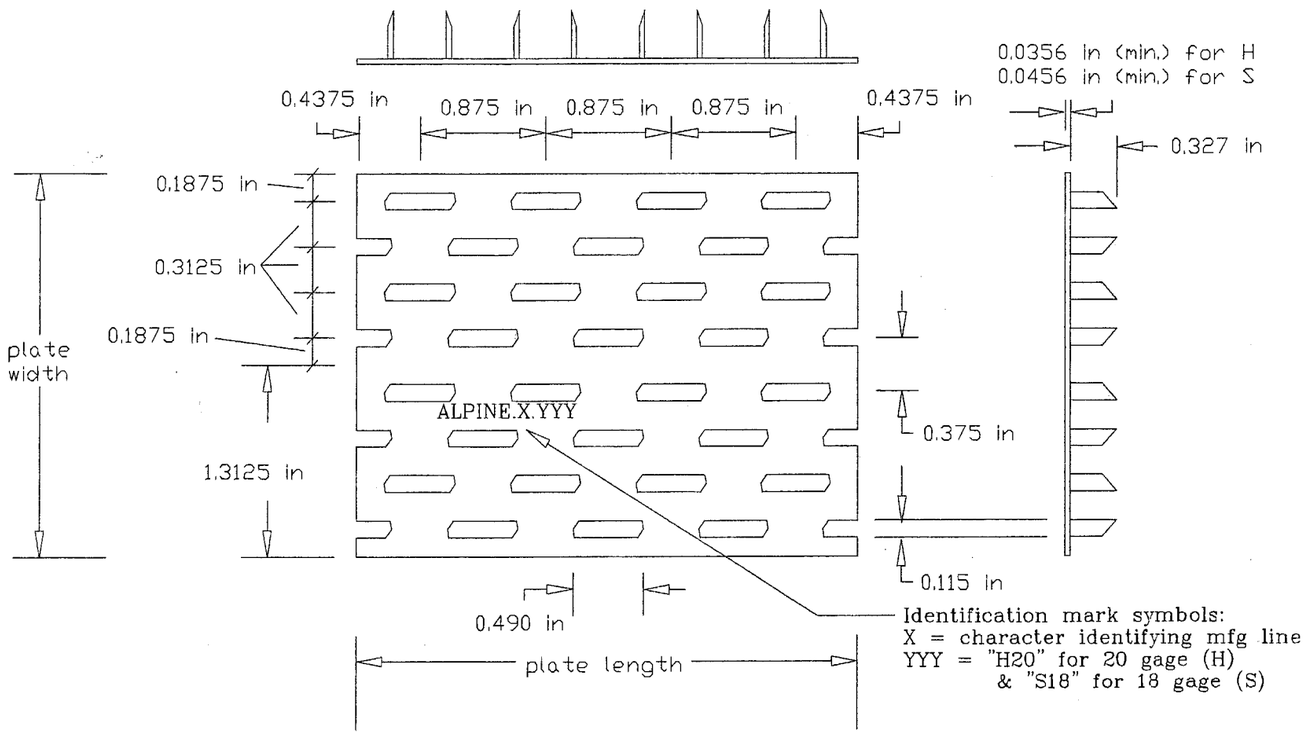
E. STATEMENTS

1. No change and code conformance statement, dated May 9, 2007, signed and sealed by Stuart L. Lewis, P.E.
2. Certificate of Merger between Alpine Engineered Products, Inc. and Truswal Systems Corporation, dated 01/05/07, signed by Harriet Smith Windsor, Secretary of State of Delaware.
3. Certificate of Amendment, Name Change from Truswal Systems Corporation to ITW Building Components Group, Inc., dated 01/05/07, signed by Harriet Smith Windsor, Secretary of State of Delaware.

9/21/07

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 07-0525.01
Expiration Date: May 14, 2011
Approval Date: September 20, 2007

ALPINE HS TRUSS PLATE



HS plates are available in width increments of 1.3125" and lengths increments of 1.75", with some half-increments available. Sizes are labelled to the next lower whole inch with two numbers used for width followed by two numbers for length, prefaced with H or S for thickness. This drawing shows size H0203 or S0203.

TRUSS PLATE CHARACTERISTICS

Thickness:	0.0356 (20 gage a/k/a H) and 0.0456 inches (18 gage a/k/a S)
Steel Grade:	ASTM A653 HSLAS Grade 60 Type B
Coating:	G60 per ASTM A653
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, as shown above.

LATERAL RESISTANCE

Allowable Loads in lb/sq.in. of plate.

Species	Direction of Grain & Load with Respect to Length of Plate			
	AA	EA	AE	EE
Doug.Fir-Larch & Southern Pine	226	147	117	162
Spruce-Pine-Fir & Hem-Fir	178	118	93	128

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 appling to single pass roller presses with 18" or greater diameter rollers shall use the following percentages of the above values:
   Qr = 85.5% for SPF/HF, 73.4% for DFL/SP.

SHEAR LOAD EFFICIENCY

Direction of Load With Respect to Length of Plate	Shear Resistance Effectiveness Ratio
0 degrees	49.7%
30 degrees	60.2%
60 degrees	71.9%
90 degrees	43.1%
120 degrees	49.0%
150 degrees	42.0%

TENSION LOAD EFFICIENCY

Parallel	Perpendicular
69.9%	27.6%

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 07-0525.01
Expiration Date 05/14/2011
By
Miami-Dade Product Control Division

Stuart L Lewis
8/17/07

MANUFACTURER:	ITW Building Components Group 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: 08/16/07
FL-ENG:	Stuart L. Lewis, P.E. Number 45927