MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Mitek Industries, Inc.
14515 N. Outer Forty, Ste 300
Chesterfield, MO 63017

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Truss Connector Plate 20 Gauge

APPROVAL DOCUMENT: Drawing No. 916.02, titled "20 Gauge Truss Connector Plate", sheets 1 of 1, prepared for Mitek Industries, Inc., signed and sealed by Stephen W. Cabler, P.E., dated 11/11/99, 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 # 02-0429.10** and consists of this page 1, evidence page E-1, as well as approval document mentioned above.

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

PRODUCT CONTROL ACCEPTED

7/5/07

Mitek Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

Drawing No. 916.02, titled "20 Gauge Truss Connector Plate", sheets 1 of 1, prepared for Mitek Industries, Inc., signed and sealed by Stephen W. Cabler, P.E., dated 11/11/99 (Submitted under NOA # 99-0916.02)

B. TESTS

ANSI/TPI 1-1995 Truss Connector Plate Evaluation by PSF Corporation, Report No. 96-68, dated 01/07/97, signed and sealed by Ed Starostovic, P.E. (Submitted under NOA # 99-0916.02)

C. CALCULATIONS

N/A

D. MATERIAL CERTIFICATIONS

(Submitted under NOA # 99-0916.02)

E. STATEMENTS

(Submitted under NOA # 99-0916.02)

F. OTHERS

1. No Product Change Letter issued by Mitek Industries, Inc., dated 02/12/07, signed by Stephen W. Cabler, P.E.
2. New test request letter issued by Miami-Dade County, Building Code Compliance Office, dated 06/08/07, signed by Carlos M. Utrera, P.E. and Stephen W. Cabler, P.E.
3. Test contracting letter issued by PFS Corporation, dated 06/28/07, signed by James P. Van Schoyck

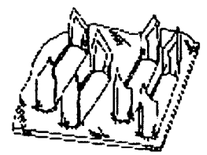
7/5/07

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 07-0306.13
Expiration Date: June 20, 2008
Approval Date: July 26, 2007

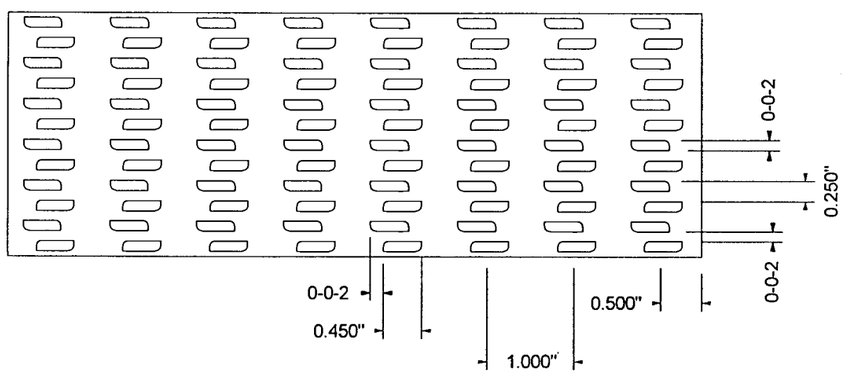
MiTek Connector Plates M20

1.1 Material Characteristics:

Model	MiTek M20
Thickness	0.037, Gauge 20
Mechanical Properties	Grade C, ASTM A-446
Coating	G60, ASTM A-525
Teeth Density	8 teeth/sq.in.
Size	One-inch increments



1.2 Plate Layout:



Notes:

1) The teeth are approximately 3/8 in. long and 1/8 in. wide, spaced at 1/4 in. center to center along the width of the plate, and staggered at 5/32 in. in the longitudinal direction. Each row of teeth is spaced at 1/2 in.
2) 'A' direction is parallel to slot length and 'E' direction is perpendicular to slot length.
3) The lumber used for the tested specimens was Southern Pine.
4) MiTek M20 truss plates are metal connectors manufactured from 20 gauge steel sheet used in the fabrication of prefabricated trusses of Southern Pine only.

1.3 Design Values

1.3.1 Allowable loads in lb/in^2 of plate for Southern Pine

Press	Direction of Grain & Load with Respect to Length of Plate			
Type	AA	EA	EE	AE
Hydraulic	229.3	187.7	153.8	184.6

1.3.2 Shear Load Efficiency:

Direction of Load with Respect to length of Plate	Shear Resistance Effectiveness Ratio
0°	50.8%
30°	64.1%
60°	70.1%
90°	53.7%
120°	43.5%
150°	45.1%

1.3.3 Tension Load Effectiveness Ratio

Parallel	Perpendicular
62.9%	47.9%

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-0306.13
Expiration Date 06/20/2008
By
Miami Dade Product Control
Division

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0429.10
Expiration Date 06/20/07
By
Miami Dade Product Control
Division

FOR OFFICE USE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE December 09, 19 99
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0916.02

Manufacturers Name & Address:
MiTek Industries, Inc.
PO Box 7359
St. Louis MO 63177-1359

Description:
20 Gauge Truss Connector Plate

Drawing Number	Sheet Number	Drawing Date	Revision Date	
916.02	1	11-11-99		

Name, Discipline & Number of F.P.E.:
Stephen W. Cabler, P.E.
PE 0033948