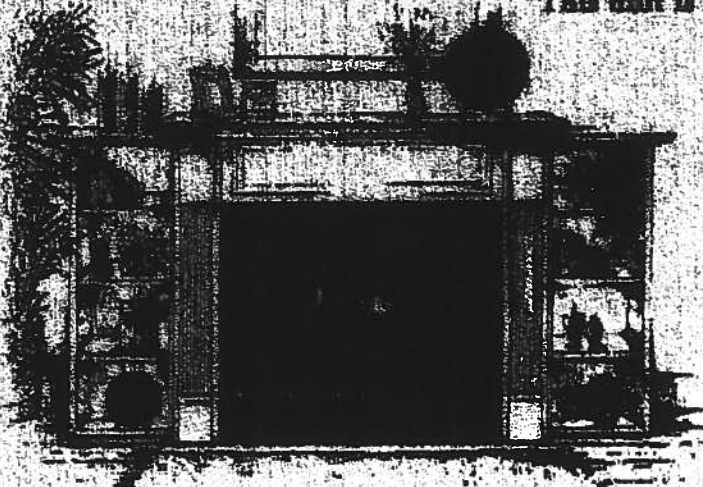


VENT-FIRE

This unit is A.G.A. certified as a heater with 99% heat efficiency.

No chimney or flue system required.

Wide selection of factory installed options offered.

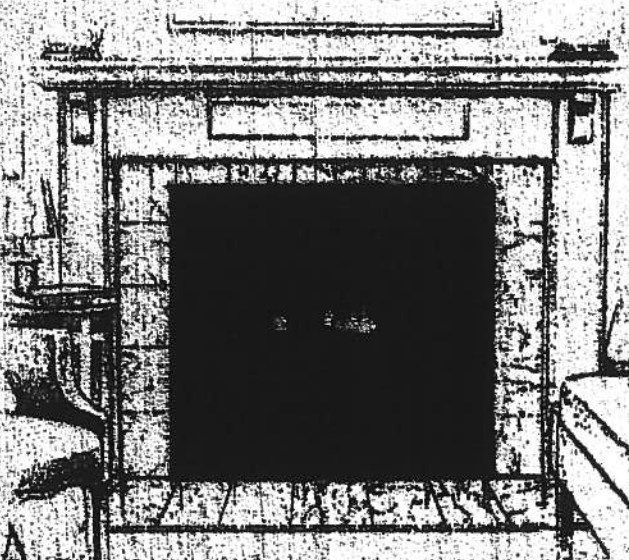
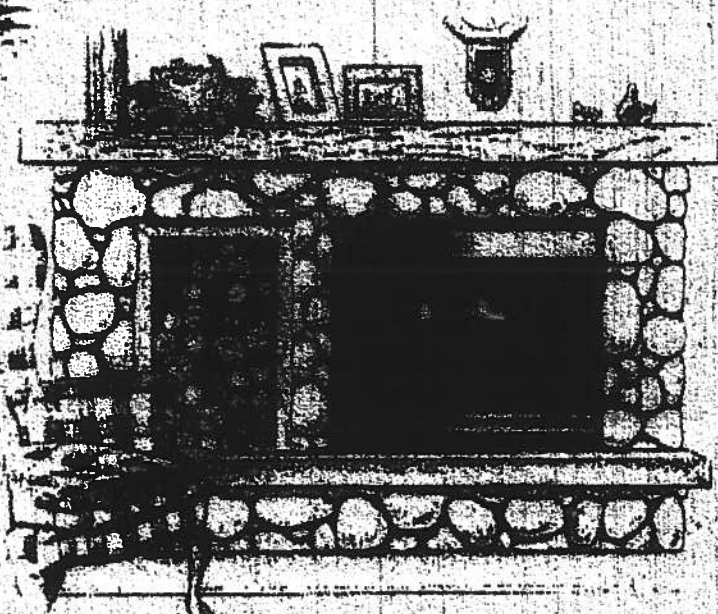


VF-4000

- 14,000 - 25,000 Btu/hr with manual control valve
- 19,500 - 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening

VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms



SUPERIOR



Building Code Information System

FLORIDA BUILDING CODE

Overview User Organization User Organization
Registration Registration Application Search Activation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (All)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expiry	Status
General American Door	Moultrie	Jones Campbell	6308593000	Product Manufacturer	01/01/2009	Approved
Org Code: PDM System ID: 3365 Site Link: www.gadco.com						

Displaying 1-1 of 1

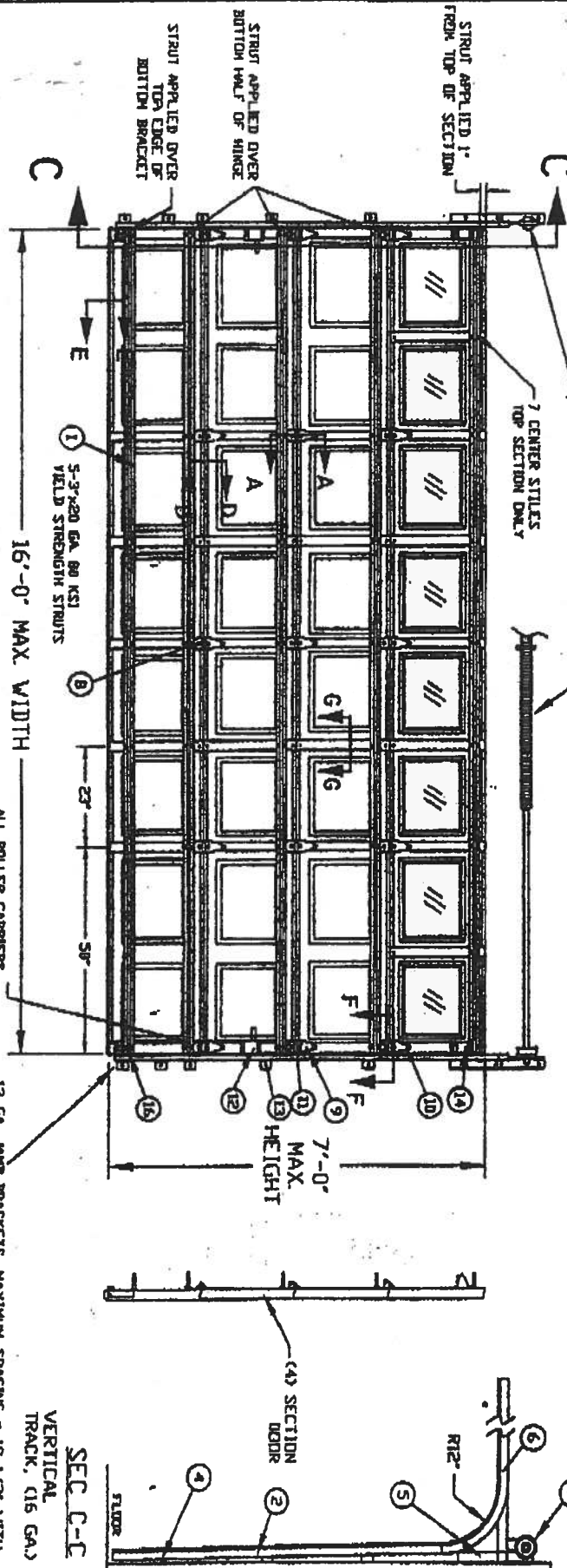
Copyright 2004 by Florida Building Code Council, Inc. All rights reserved. No part of this publication may be reproduced without prior written permission from the Florida Building Code Council, Inc.

REV.	DATE	BY	DESCRIPTION
A	11-10-00	DM	SEE E.C.H. 411

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT: 21'
3. SECTION HEIGHTS OF 21'0" AND 19'5" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS RISE HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION, WAS TESTED WITH 1/8" RIB GLASS OR EQUIVALENT, OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MODIUM LENGTH OF ROLLER STICK IS 24" OR AS TESTED
6. THE STICK PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOW.
7. STICKS SECURED AT ALL LOCATIONS WITH TIE SCREWS.
8. QUANTITY OF TIE SCREWS CAN BE Q.L. OR AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL.

NOT PART OF VAND LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TORSION SPRING COUNTERBALANCE



INSIDE ELEVATION

16'-0" MAX. WIDTH

ALL ROLLER CARRIERS
AND HINGES ARE 14 GA.

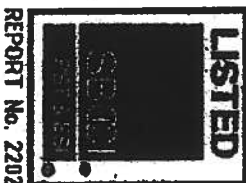
12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH
LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET
NEAR THE HORIZONTAL 5' OF THE BOTTOM SECTION, AND 3RD
BRACKET NEAR THE TOP OF THE BOTTOM SECTION.

SEC. C-C

VERTICAL
TRACK, (16 GA.)

TEST REPORTS ON FILE VIDEO 10/19/00 0002933

DESIGN LOAD +200 PSF & -200 PSF
TEST LOAD +300 PSF & -300 PSF



REPORT No. 2202

GADED DOORS			
SERIES 7400, EXTERIOR STEEL = 0.17 MIN GAT TESTED			
SERIES 7825, EXTERIOR STEEL = 0.07 MIN A			
SERIES 7524, EXTERIOR STEEL = 0.24 MIN A			
(TESTED) WITH WINDOWS			
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STILES DO NOT EXCEED 1/2" MIN. GAT
16'	7'	23"	3"
			5
			2 IN.
VERTICAL TRACK			
DOOR JAMB			
15' X 7' MAX. RAISED PANEL STEEL DOOR - WINDLOAD 320 PSF			
PAGE 1 OF 2			



GENERAL AMERICAN DOOR COMPANY
3050 BASELINE ROAD
MONTGOMERY, IL 60538

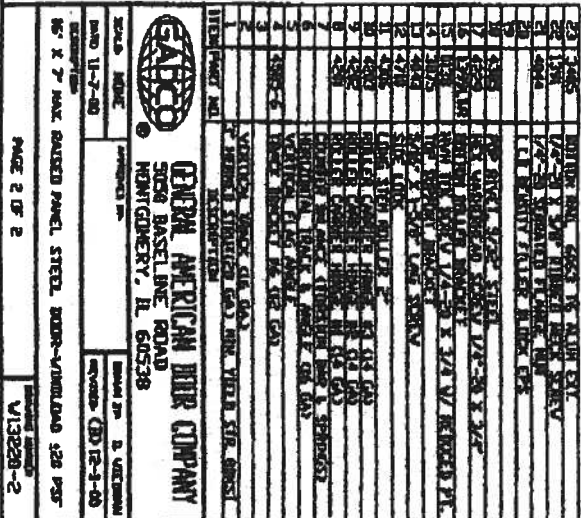
APPROVED BY: (S) 11-10-00

REVISION: (A) 11-10-00

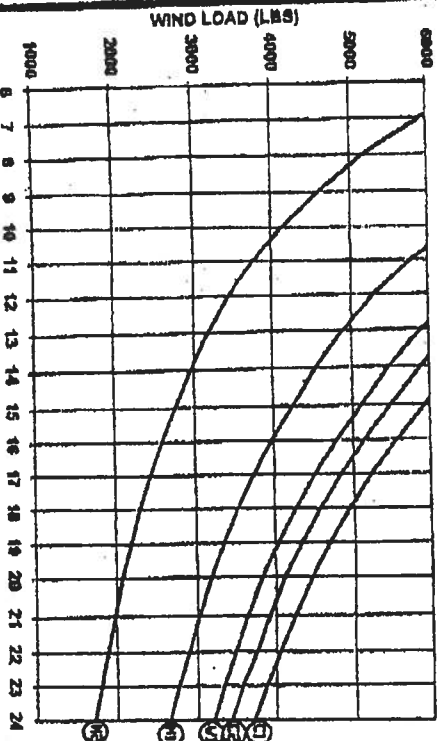
DESIGNER: (S) 11-10-00

DATE: 11-10-00

PROJECT NUMBER: V13220-1



WIND LOAD VS. ANCHOR SPACING

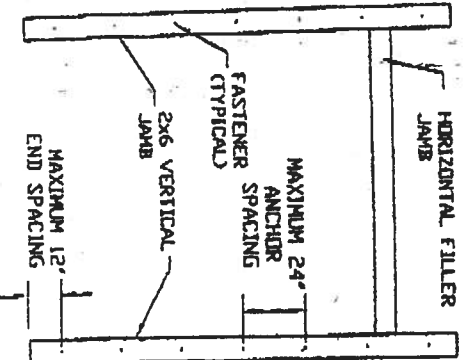


MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)
 LOAD / FT²

EXAMPLE

- 30 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS
 FT²
- ① USE 22" SPACING
 - ② USE 21" SPACING
 - ③ USE 19" SPACING
- SEE NOTE B FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



SEAL
 PE No. 024280
 NORTH CAROLINA PROFESSIONAL ENGINEER
 3/8/2002

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" PESTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTD 10, "CURRENT EDITION".
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAYERS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FLOORING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2500 PSI. GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSIONAL FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, AND AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GENERAL AMERICAN DOOR COMPANY
 5000 BASSETT LANE, BIRMINGHAM, AL 35208

DATE: 8-30-99
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 FOR WIND LOADED GARAGE DOORS

TAMKO

ROOFING PRODUCTS

(CONTINUED from Pg. 2)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

8. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

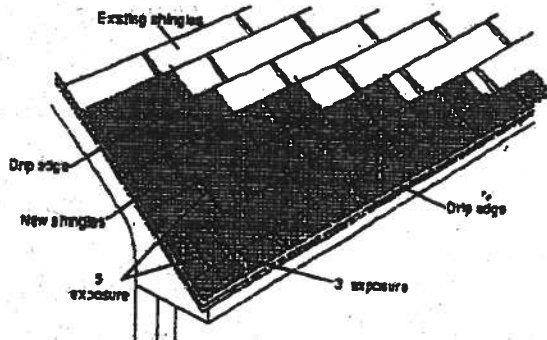
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

9. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

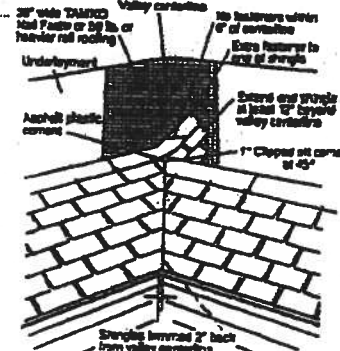
Note: For a neater installation, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

CAUTION:
Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

Visit Our Web Site at
www.tamko.com

Central District
Northeast District
Southeast District
Southwest District
Western District

220 West 4th St., Joplin, MO 64801
4500 Tamko Dr., Frederick, MD 21701
2300 35th St., Tuscaloosa, AL 35401
7910 S. Central Exp., Dallas, TX 75216
5300 East 43rd Ave., Denver, CO 80216

800-641-4691
800-368-2055
800-228-2656
800-443-1834
800-530-8868

07/01



FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

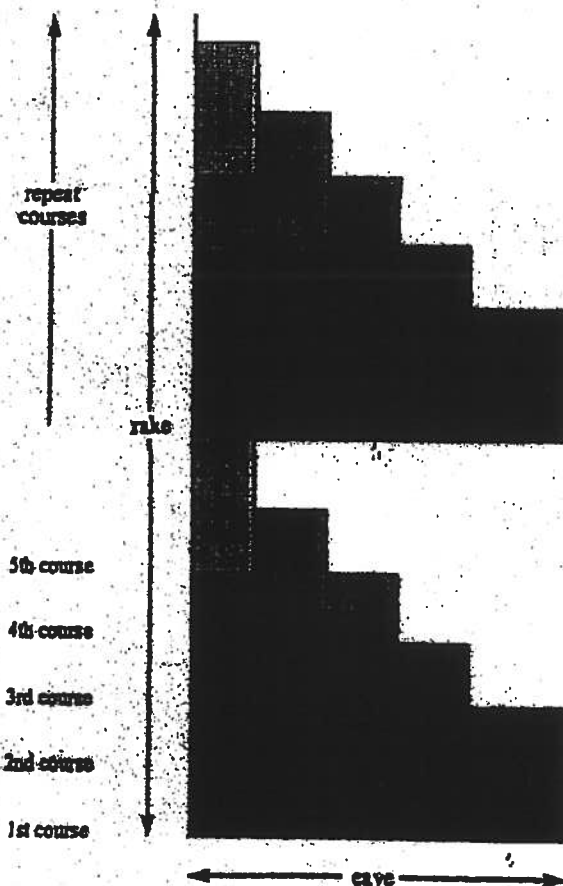
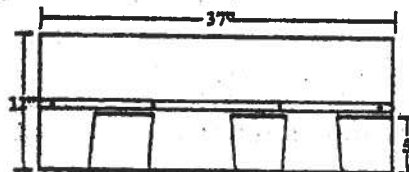
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.



Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



Application Instructions for

- Glass-Seal
 - Glass-Seal AR
 - Elite Glass-Seal®
 - Elite Glass-Seal® AR
- THREE-TAB ASPHALT SHINGLES**

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick, nailed and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

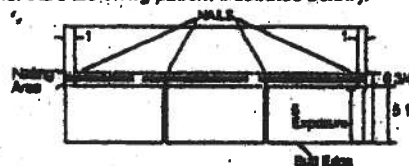
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

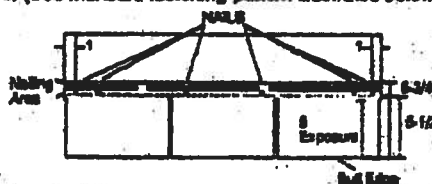
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagrams and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).



- 2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-841-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2066
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2666
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	8300 East 43rd Ave., Denver, CO 80216	800-830-8868

07/01

I

**AAMA/NWDA 101/1.5.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin

TYPE: Aluminum Single Hung Window

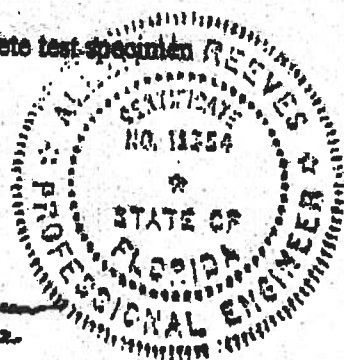
Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nib


Allen R. Reeves
1 APRIL 2002

II

Architectural Testing

AAMA/NWDA 101/LS-2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/LS-2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

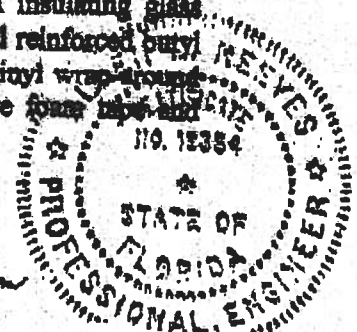
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen N. Raman
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen N. Reeves
1 APRIL 2002



IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

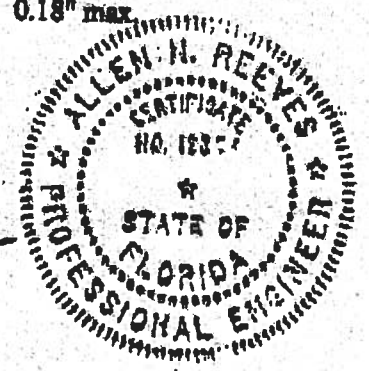
Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/L.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
---------	---	----------------	--------------------------

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

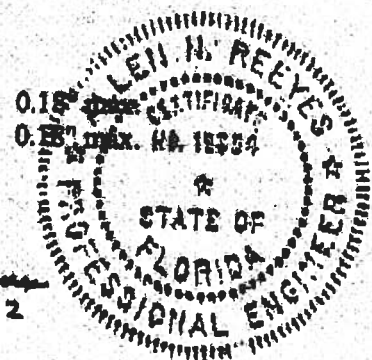
Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

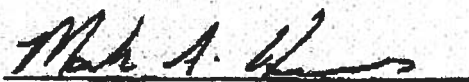
Allen H. Reeves
1 APRIL 2002



VI

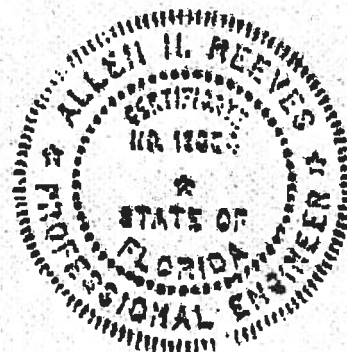
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

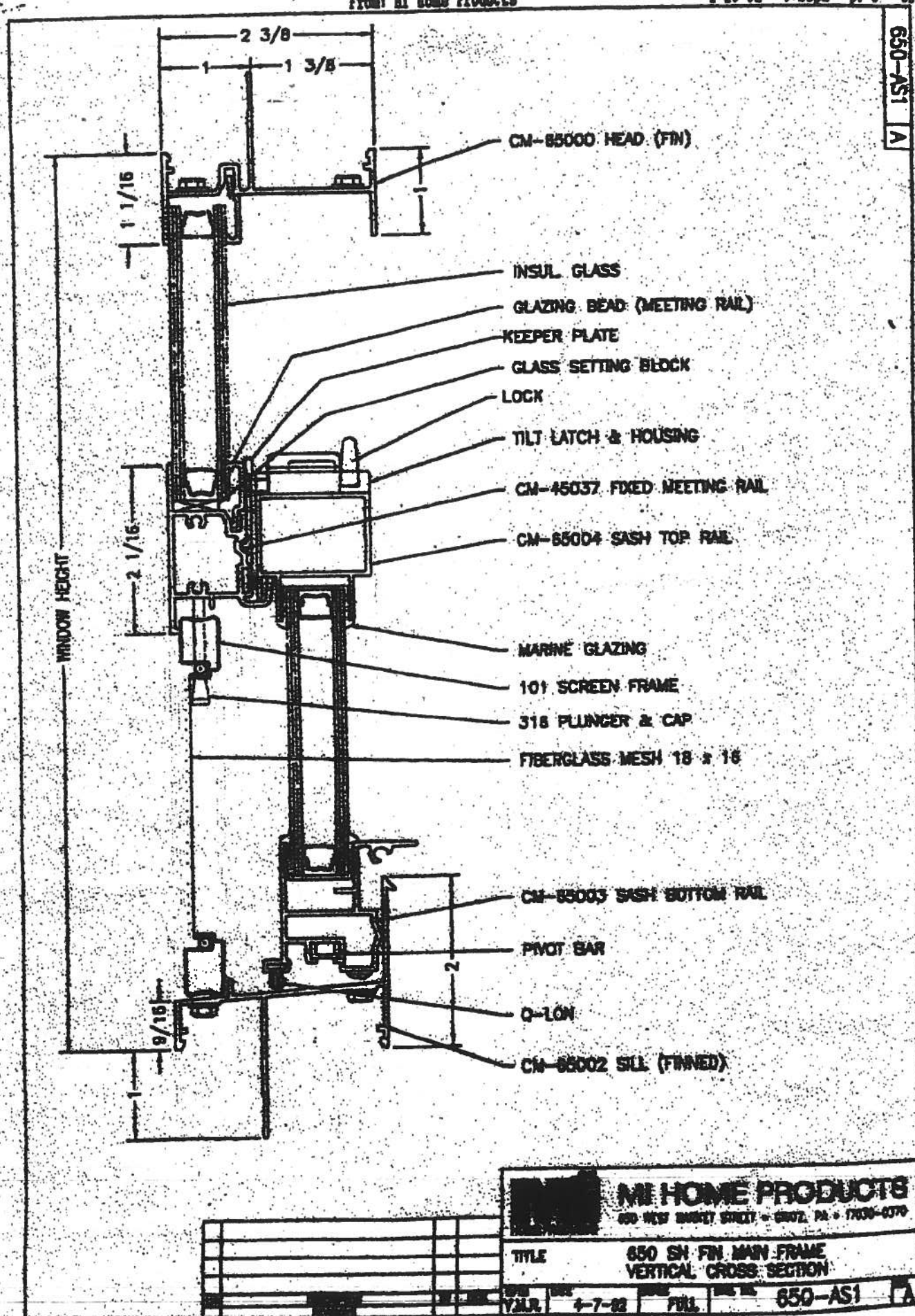
For ARCHITECTURAL TESTING, INC:

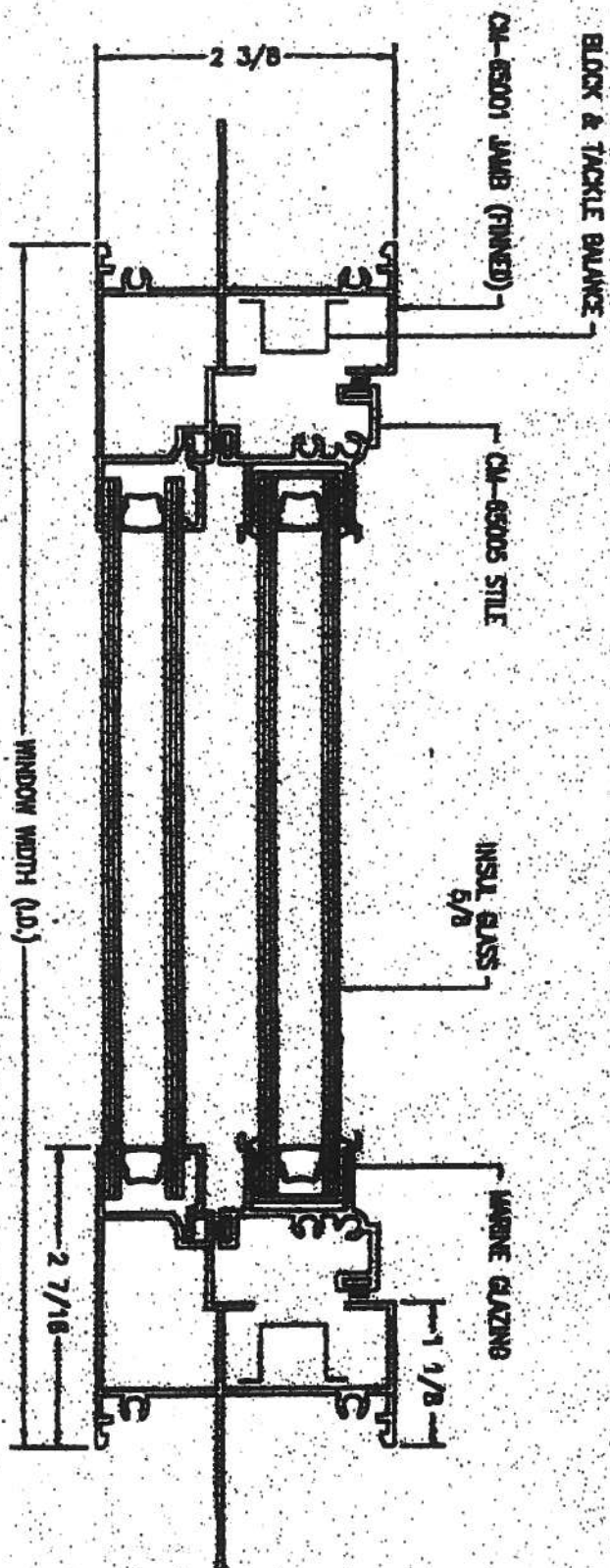

Mark A. Hess
Technician

MAH:nib
01-41134.01


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



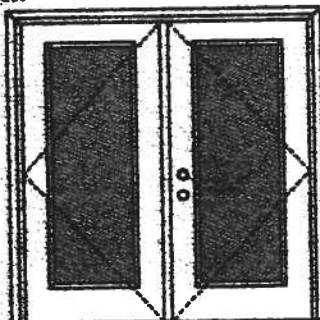




		MHI HOME PRODUCTS	
800 WEST WASHINGTON STREET • GAITHERSBURG, MD • 20878-0070			
TITLE			
850 SH PM MAN FRAME INSULATED CLASS HORIZONTAL CROSS SECTION			
DATE	REV	BY	APP'D
10-1-78	1	FWL	850-AS2
DATE	REV	BY	APP'D

XX**Glazed Outswing Unit**

COP-WL J01162-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'6".

Double Door

Maximum unit size = 6'6" x 6'6"

Design Pressure**+40.5/-40.5**

Limited water unless special threshold design is used.

Large Missile Impact Resistance**Hurricane protective system (shutters) is REQUIRED.**

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed -- see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed -- see MID-WL-MA0002-02.

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 136 Series



135 Series



436 Series



322 Series

1/2 GLASS:

105 Series*



106, 108 Series*



129 Series*



200 Series*



12 RL, 23 RL, 34 RL Series*



167 Series*



108 Series



304 Series

*This glass 1/2 may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

March 23, 2002

Our continuing program of product improvement meets specifications, design and product must subject to change without notice.

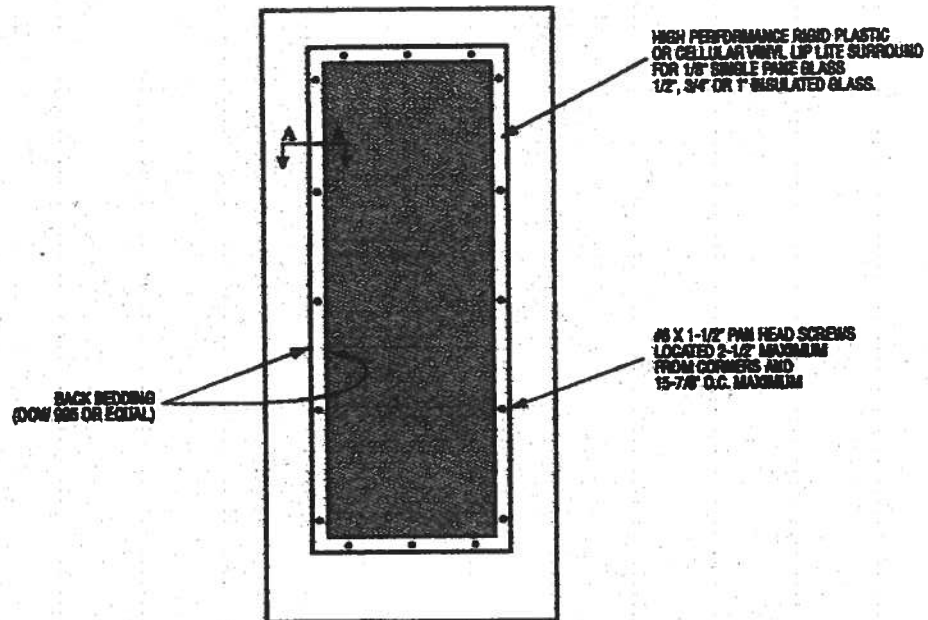


Exclusively from

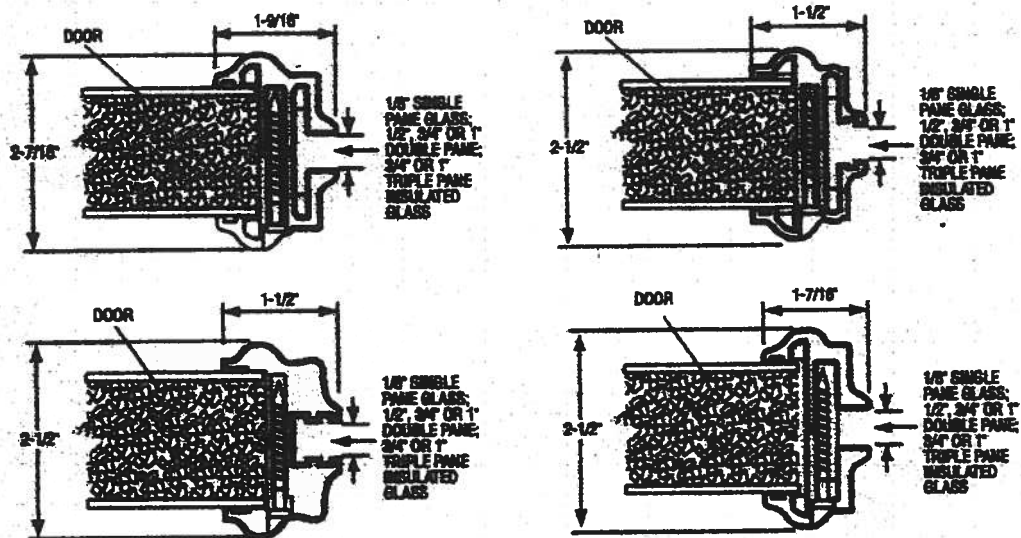
Masonite
Masonite International Corporation

MAD-WL-MAG041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PRENDRE Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

XX

Glazed Outswing Unit

DDP WL JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:
3/4 GLASS:**

404 Series



408 Series



450 Series

FULL GLASS:

100 Series

114, 120, 122
Series

102 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip like surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 58533

Johnson
EntrySystems

March 29, 2002

Our continuing program of product improvement makes specifications, designs and product detail subject to change without notice.



Exclusively from

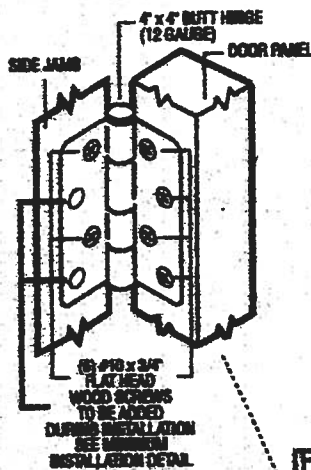
Masonite
Masonite International Corporation

XX
Unit

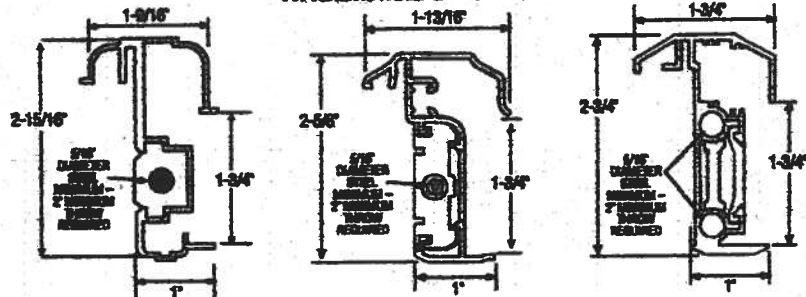
17AD-WL 17AD012-02

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT

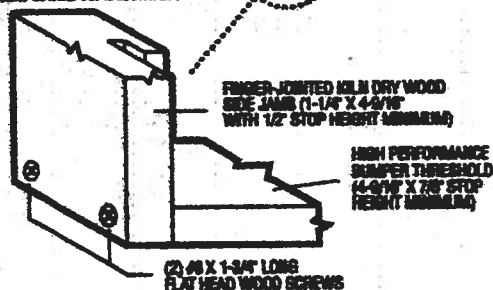


TYPICAL ASTRAL PROFILES

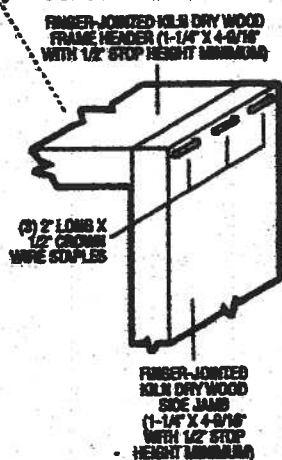


ALUMINUM EXTRUDED ASTRAL (0.08" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL DEADBOLT LATCHING LOCATIONS. ATTACH WITH #6 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



March 25, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

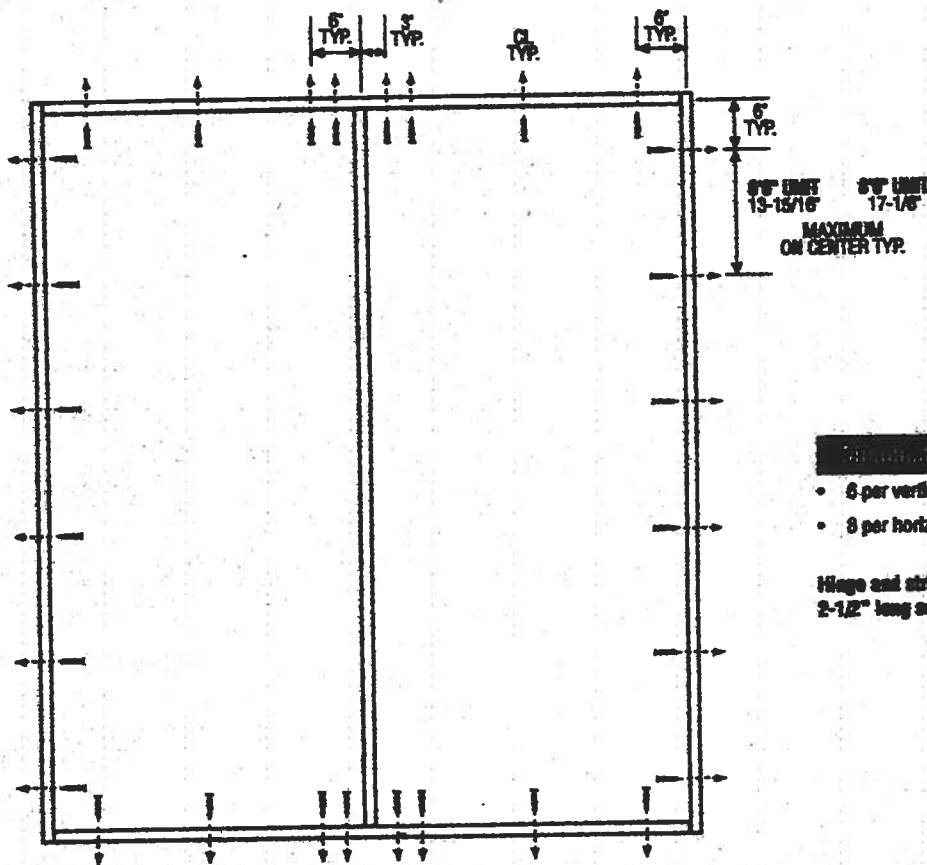


Exclusively from
Masonite
Masonite International Corporation

XX
Unit

IND VIL MA0002 02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002

Our continuing program of product improvement online specifications, design and production subject to change without notice.

PREMIUM Collection
Premium Quality Doors



Exclusively from

Masonite
Masonite International Corporation

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Adams Framing & Const. - Lot 10 Hollybrook

Lake City, FL 32025-

Code Only
Professional Version
Climate: North

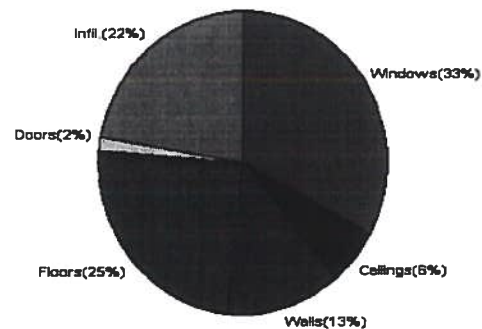
11/24/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	33490 Btuh	Total cooling load calculation	39282 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.4 40000	Sensible (SHR = 0.75)	92.8 30000
Heat Pump + Auxiliary(0.0kW)	119.4 40000	Latent	143.5 10000
		Total (Electric Heat Pump)	101.8 40000

WINTER CALCULATIONS

Winter Heating Load (for 1691 sqft)

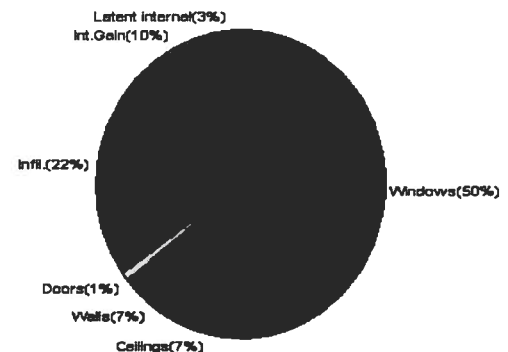
Load component		Load	
Window total	235 sqft	11057 Btuh	
Wall total	1295 sqft	4252 Btuh	
Door total	40 sqft	518 Btuh	
Ceiling total	1750 sqft	2062 Btuh	
Floor total	190 sqft	8295 Btuh	
Infiltration	180 cfm	7306 Btuh	
Duct loss		0 Btuh	
Subtotal		33490 Btuh	
Ventilation	0 cfm	0 Btuh	
TOTAL HEAT LOSS		33490 Btuh	



SUMMER CALCULATIONS

Summer Cooling Load (for 1691 sqft)

Load component		Load	
Window total	235 sqft	19720 Btuh	
Wall total	1295 sqft	2587 Btuh	
Door total	40 sqft	392 Btuh	
Ceiling total	1750 sqft	2898 Btuh	
Floor total		0 Btuh	
Infiltration	158 cfm	2937 Btuh	
Internal gain		3780 Btuh	
Duct gain		0 Btuh	
Sens. Ventilation	0 cfm	0 Btuh	
Total sensible gain		32315 Btuh	
Latent gain(ducts)		0 Btuh	
Latent gain(infiltration)		5768 Btuh	
Latent gain(ventilation)		0 Btuh	
Latent gain(internal/occupants/other)		1200 Btuh	
Total latent gain		6968 Btuh	
TOTAL HEAT GAIN		39282 Btuh	



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

John J. Adams
11-24-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Adams Framing & Const. - Lot 10 Hollybrook

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

11/24/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	16.0		47.0	752 Btuh
2	1, Clear, Metal, 1.27	W	12.0		47.0	564 Btuh
3	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
4	1, Clear, Metal, 1.27	W	20.0		47.0	940 Btuh
5	1, Clear, Metal, 1.27	W	45.0		47.0	2115 Btuh
6	1, Clear, Metal, 1.27	N	4.0		47.0	188 Btuh
7	1, Clear, Metal, 1.27	N	15.0		47.0	705 Btuh
8	1, Clear, Metal, 1.27	E	75.0		47.0	3524 Btuh
9	1, Clear, Metal, 1.27	E	13.3		47.0	625 Btuh
10	1, Clear, Metal, 1.27	S	20.0		47.0	940 Btuh
Window Total			235(sqft)			11057 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1099		3.3	3608 Btuh
2	Frame - Wood - Adj(0.09)	13.0	196		3.3	644 Btuh
Wall Total			1295			4252 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			40			518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1750		1.2	2062 Btuh
Ceiling Total			1750			2062 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	190.0 ft(p)		43.7	8295 Btuh
Floor Total			190			8295 Btuh
Zone Envelope Subtotal:						26184 Btuh
Infiltration	Type	ACH	Zone Volume	CFM=		Load
	Natural	0.80	13528	180.4		7306 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					33490 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Adams Framing & Const. - Lot 10 Hollybrook

Professional Version

Climate: North

11/24/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	33490 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33490 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Adams Framing & Const. - Lot 10 Hollybrook

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

11/24/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	16.0		47.0	752 Btuh
2	1, Clear, Metal, 1.27	W	12.0		47.0	564 Btuh
3	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
4	1, Clear, Metal, 1.27	W	20.0		47.0	940 Btuh
5	1, Clear, Metal, 1.27	W	45.0		47.0	2115 Btuh
6	1, Clear, Metal, 1.27	N	4.0		47.0	188 Btuh
7	1, Clear, Metal, 1.27	N	15.0		47.0	705 Btuh
8	1, Clear, Metal, 1.27	E	75.0		47.0	3524 Btuh
9	1, Clear, Metal, 1.27	E	13.3		47.0	625 Btuh
10	1, Clear, Metal, 1.27	S	20.0		47.0	940 Btuh
Window Total			235(sqft)			11057 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1099		3.3	3608 Btuh
2	Frame - Wood - Adj(0.09)	13.0	196		3.3	644 Btuh
Wall Total			1295			4252 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
Door Total			40			518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1750		1.2	2062 Btuh
Ceiling Total			1750			2062Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	190.0	ft(p)	43.7	8295 Btuh
Floor Total			190			8295 Btuh
	Zone Envelope Subtotal:					26184 Btuh
Infiltration	Type	ACH	Zone Volume	CFM=		Load
	Natural	0.80	13528	180.4		7306 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					33490 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Adams Framing & Const. - Lot 10 Hollybrook

Professional Version

Climate: North

11/24/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	33490 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33490 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Adams Framing & Const. - Lot 10 Hollybrook

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

11/24/2006

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505	Btuh	
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	12.0	0.0	12.0	37	94	1129	Btuh	
3	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	15.0	15.0	0.0	37	94	562	Btuh	
4	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	20.0	20.0	0.0	37	94	749	Btuh	
5	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	45.0	0.0	45.0	37	94	4232	Btuh	
6	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	4.0	0.0	4.0	37	37	150	Btuh	
7	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	37	37	562	Btuh	
8	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	75.0	0.0	75.0	37	94	7053	Btuh	
9	1, Clear, 1.27, None,N,N	E	8.5ft	10ft.	13.3	7.4	5.9	37	94	831	Btuh	
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	20.0	20.0	0.0	37	43	749	Btuh	
	Excursion									2199	Btuh	
	Window Total				235 (sqft)					19720 Btuh		
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1098.7			2.1		2292 Btuh		
2	Frame - Wood - Adj		13.0/0.09		196.0			1.5		296 Btuh		
	Wall Total				1295 (sqft)					2587 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Adjacent				20.0			9.8		196 Btuh		
2	Insulated - Exterior				20.0			9.8		196 Btuh		
	Door Total				40 (sqft)					392 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle		30.0		1750.0			1.7		2898 Btuh		
	Ceiling Total				1750 (sqft)					2898 Btuh		
Floors	Type		R-Value		Size			HTM		Load		
1	Slab On Grade		0.0		190 (ft(p))			0.0		0 Btuh		
	Floor Total				190.0 (sqft)					0 Btuh		
	Zone Envelope Subtotal:									25597 Btuh		
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load		
	SensibleNatural		0.70		13528			157.8		2937 Btuh		
Internal gain			Occupants		Btuh/occupant			Appliance		Load		
			6		X 230 +			2400		3780 Btuh		
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									32315 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:

Adams Framing & Const. - Lot 10 Hollybrook

Code Only

Professional Version

Climate: North

11/24/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	32315 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	32315 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	32315 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5768 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6968 Btuh
	TOTAL GAIN	39282 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Adams Framing & Const. - Lot 10 Hollybrook

Professional Version

Lake City, FL 32025-

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

11/24/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505	Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	12.0	0.0	12.0	37	94	1129	Btuh
3	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	15.0	15.0	0.0	37	94	562	Btuh
4	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	20.0	20.0	0.0	37	94	749	Btuh
5	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	45.0	0.0	45.0	37	94	4232	Btuh
6	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	4.0	0.0	4.0	37	37	150	Btuh
7	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	37	37	562	Btuh
8	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	75.0	0.0	75.0	37	94	7053	Btuh
9	1, Clear, 1.27, None,N,N	E	8.5ft	10ft.	13.3	7.4	5.9	37	94	831	Btuh
10	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	20.0	20.0	0.0	37	43	749	Btuh
	Excursion									2199	Btuh
	Window Total				235 (sqft)					19720 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1098.7			2.1		2292 Btuh	
2	Frame - Wood - Adj		13.0/0.09		196.0			1.5		296 Btuh	
	Wall Total				1295 (sqft)					2587 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
	Door Total				40 (sqft)					392 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1750.0			1.7		2898 Btuh	
	Ceiling Total				1750 (sqft)					2898 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		190 (ft(p))			0.0		0 Btuh	
	Floor Total				190.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									25597 Btuh	
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load	
	SensibleNatural		0.70		13528			157.8		2937 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 230 +			2400		3780 Btuh	
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									32315 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Adams Framing & Const. - Lot 10 Hollybrook

Professional Version
Climate: North

11/24/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	32315 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	32315 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	32315 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5768 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6968 Btuh
	TOTAL GAIN	39282 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Lake City, FL 32025-

Project Title:
Adams Framing & Const. - Lot 10 Hollybrook

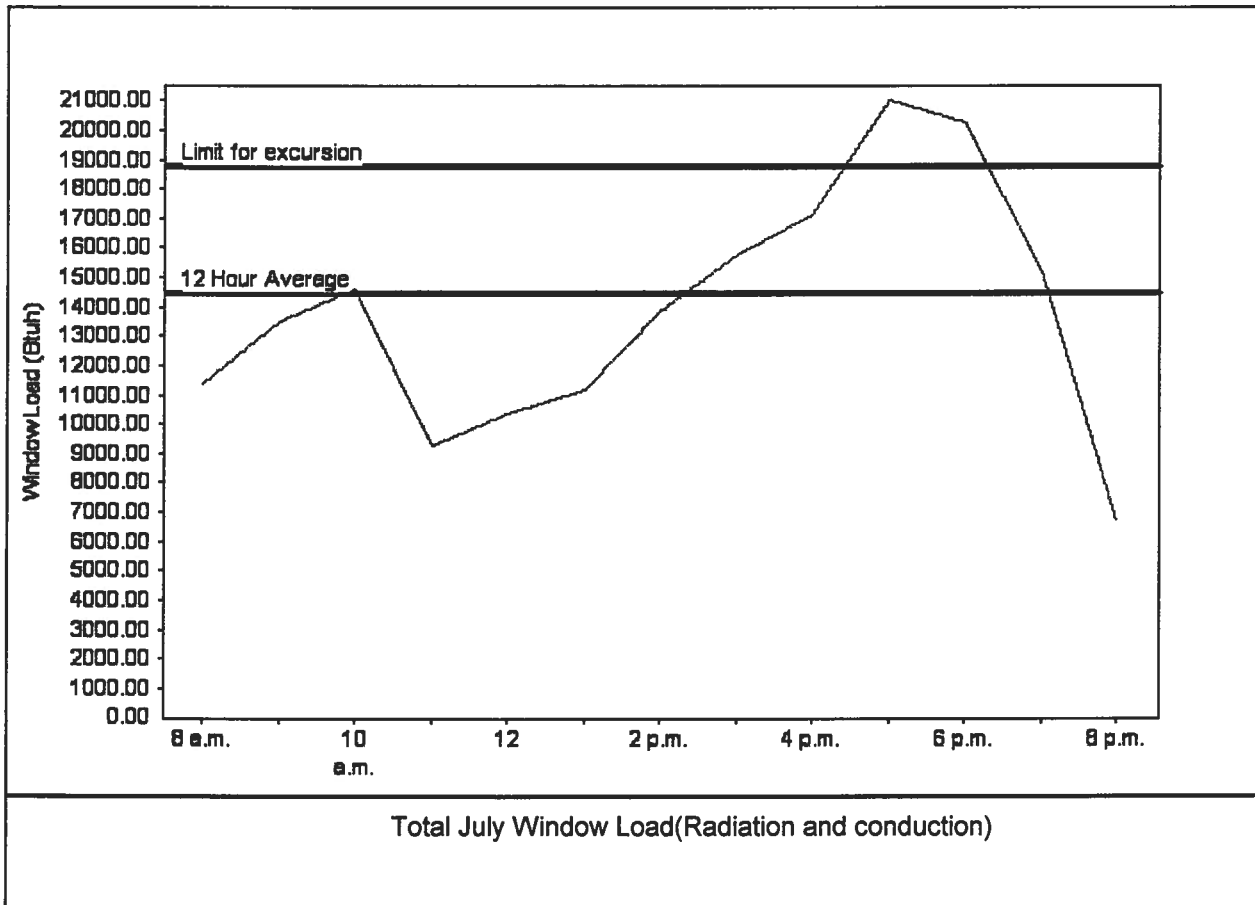
Code Only
Professional Version
Climate: North

11/24/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14460 Btu
Summer setpoint	75 F	Peak window load for July	20996 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18798 Btu
Latitude	29 North	Window excursion (July)	2199 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1



Project Information for:		L218890	
Builder:	ADAM'S FRAMING	Date:	12/6/2006
Lot:	LOT 10 HOLLY BROOK	Start Number:	1196
Subdivision:	N/A	SEI Ref:	L218890
County or City:	COLUMBIA COUNTY		
Truss Page Count:	42		

Truss Design Load Information (UNO)		Design Program: MiTek	
Gravity	Wind	Building Code:	FBC2004
Roof (psf): 42	Wind Standard: ASCE 7-02		
Floor (psf): 55	Wind Speed (mph): 110		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)	
PAPKA, ADAM R. CBC1253409	
Address: P.O. BOX 1921	Designer: 131
LAKE CITY, FL 32056	

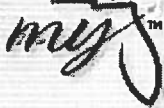
Truss Design Engineer:	Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company:	Structural Engineering and Inspections, Inc. EB 9196
Address	16105 N. Florida Ave, Ste B, Lutz, FL 33549
	Phone: 813-849-5769

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for vertical loads only, unless noted otherwise.
5. Where hangers are shown, Carried Member hanger capacity per Simpson C-2006 (SYP/Full Nailing Value) as an individual component. Building Designer shall verify the suitability and use of Carrying Member hanger capacity.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1206061196	12/6/2006	41	T27	1206061156	12/6/2006
2	CJ3	1206061195	12/6/2006	42	T28	1206061155	12/6/2006
3	CJ3T	1206061194	12/6/2006				
4	CJ5	1206061193	12/6/2006				
5	CJ5T	1206061192	12/6/2006				
6	EJ7	1206061191	12/6/2006				
7	EJ7A	1206061190	12/6/2006				
8	EJ7B	1206061189	12/6/2006				
9	EJ7C	1206061188	12/6/2006				
10	EJ7T	1206061187	12/6/2006				
11	HJ9	1206061186	12/6/2006				
12	HJ9T	1206061185	12/6/2006				
13	PB01	1206061184	12/6/2006				
14	T01	1206061183	12/6/2006				
15	T02	1206061182	12/6/2006				
16	T03	1206061181	12/6/2006				
17	T04	1206061180	12/6/2006				
18	T05	1206061179	12/6/2006				
19	T05	1206061178	12/6/2006				
20	T06	1206061177	12/6/2006				
21	T07	1206061176	12/6/2006				
22	T08	1206061175	12/6/2006				
23	T09	1206061174	12/6/2006				
24	T10	1206061173	12/6/2006				
25	T11	1206061172	12/6/2006				
26	T12	1206061171	12/6/2006				
27	T13	1206061170	12/6/2006				
28	T14	1206061169	12/6/2006				
29	T15	1206061168	12/6/2006				
30	T16	1206061167	12/6/2006				
31	T17	1206061166	12/6/2006				
32	T18	1206061165	12/6/2006				
33	T19	1206061164	12/6/2006				
34	T20	1206061163	12/6/2006				
35	T21	1206061162	12/6/2006				
36	T22	1206061161	12/6/2006				
37	T23	1206061160	12/6/2006				
38	T24	1206061159	12/6/2006				
39	T25	1206061158	12/6/2006				
40	T26	1206061157	12/6/2006				

DEC 06 2006



Log On

[DBPR Home](#) | [Online Services Home](#) | [Help](#) | [Site Map](#)

1:16:18 PM 12/6/200

Public Services

[Search for a Licensee](#)
[Apply for a License](#)
[View Application Status](#)
[Apply to Retake Exam](#)
[Find Exam Information](#)
[File a Complaint](#)
[AB&T Delinquent Invoice
& Activity List Search](#)

User Services

[Renew a License](#)
[Change License Status](#)
[Maintain Account](#)
[Change My Address](#)
[View Messages](#)
[Change My PIN](#)
[View Continuing Ed](#)

Licensee Details**Licensee Information**

Name: **PAPKA, ADAM RUSSELL (Primary Name)**
ADAM S FRAMING AND CONSTRUCTION LLC (DBA Name)
Main Address: **PO BOX 1921**
LAKE CITY Florida 32056
County: **COLUMBIA**

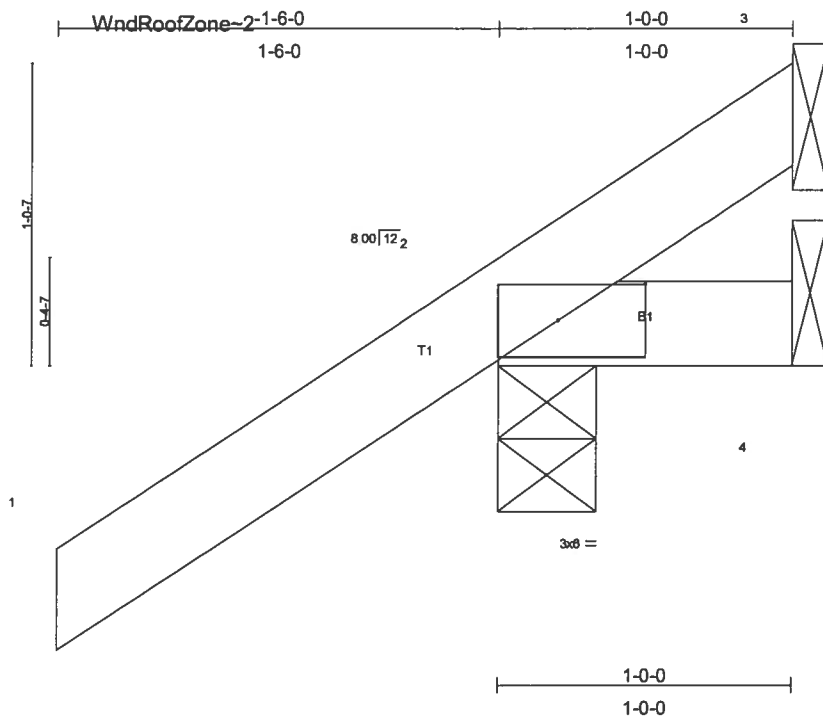
License Mailing:**LicenseLocation:****License Information**

License Type: **Certified Building Contractor**
Rank: **Cert Building**
License Number: **CBC1253409**
Status: **Current,Active**
Licensure Date: **09/26/2005**
Expires: **08/31/2008**

Special Qualifications **Qualification Effective**
Qualified Business **09/26/2005**
License Required

[View Related License Information](#)
[View License Complaint](#)
[Term Glossary](#)
[Online Help](#)
[Terms of Use](#) | [Privacy Statement](#)

Job L218890	Truss CJ1	Truss Type JACK	Qty 6	Ply 1	LOT 10 HOWE BR20061196
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 Mitek Industries, Inc. Mon Dec 04 13:19:24 2006 Page 1		



Scale = 1/8"

Plate Offsets (X,Y): [2-0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.16	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	-0.00	2	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 6 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 2=189/0-4-0, 4=14/Mechanical, 3=-41/Mechanical
Max Horz 2=94(load case 5)
Max Uplift 2=-201(load case 5), 4=-11(load case 3), 3=-41(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=70(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-55/48
BOT CHORD 2-4=0/0

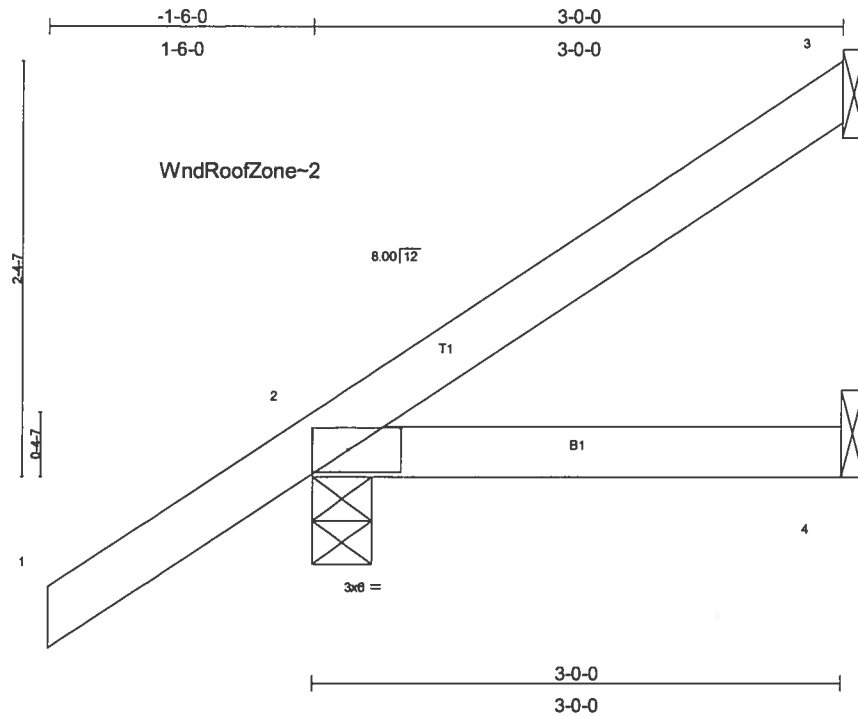
JOINT STRESS INDEX

2 = 0.12

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 2, 11 lb uplift at joint 4 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard



Scale = 1:13.1

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.18	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.08	Vert(TL)	-0.01	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 13 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=48/Mechanical, 2=233/0-4-0, 4=42/Mechanical
Max Horz 2=154(load case 5)

Max Uplift3=-47(load case 5), 2=-177(load case 5), 4=-33(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=60/19
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

 $2 = 0.12$

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3, 177 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard

DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

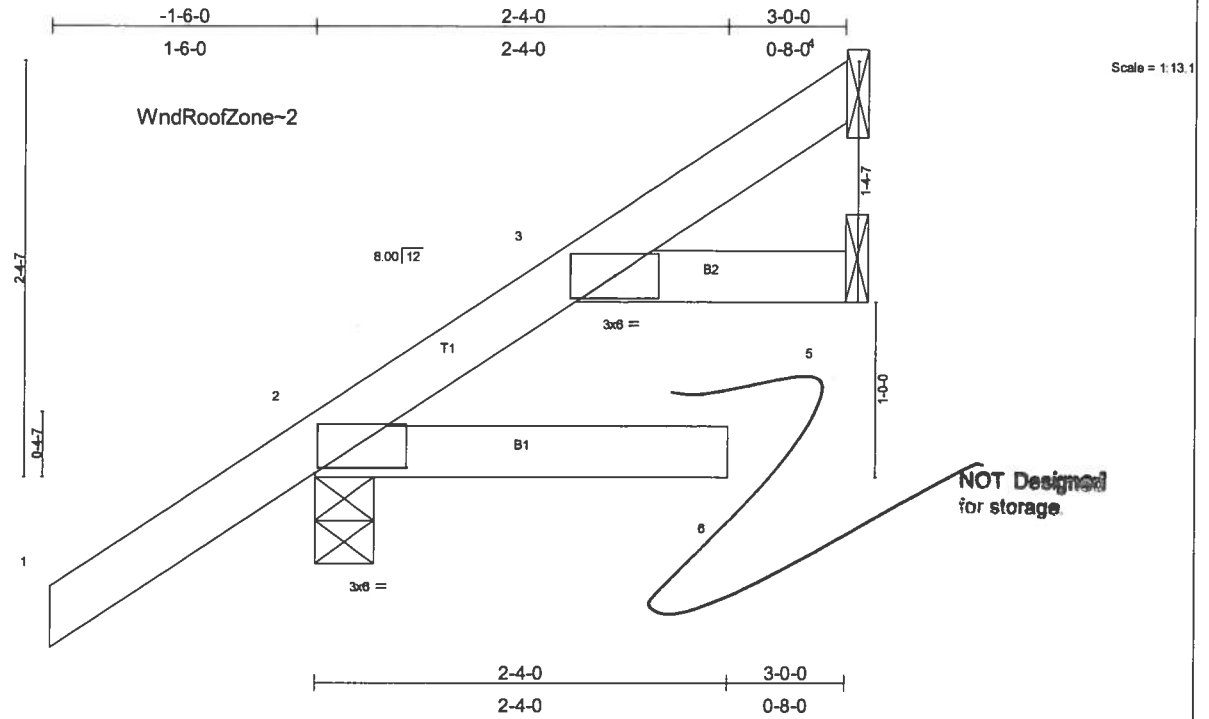


Plate Offsets (X,Y): [2:0-6-3,0-0-6]

LOADING (psf)	SPACING	2:0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.20	Vert(LL)	-0.03	6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.13	Vert(TL)	-0.05	6	>613	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 14 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=84/Mechanical, 2=243/0-4-0, 5=22/Mechanical
Max Horz 2=154(load case 5)
Max Uplift 4=40(load case 5), 2=141(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=49/10, 3-4=32/43
BOT CHORD 2-6=0/0, 3-5=0/0

JOINT STRESS INDEX
2 = 0.62 and 3 = 0.01

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 4 and 141 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L218890	Truss CJ5	Truss Type JACK	Qty 4	Ply 1	LOT 10 HOLLYBROOK
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 13:21:13 2006 Page 1		

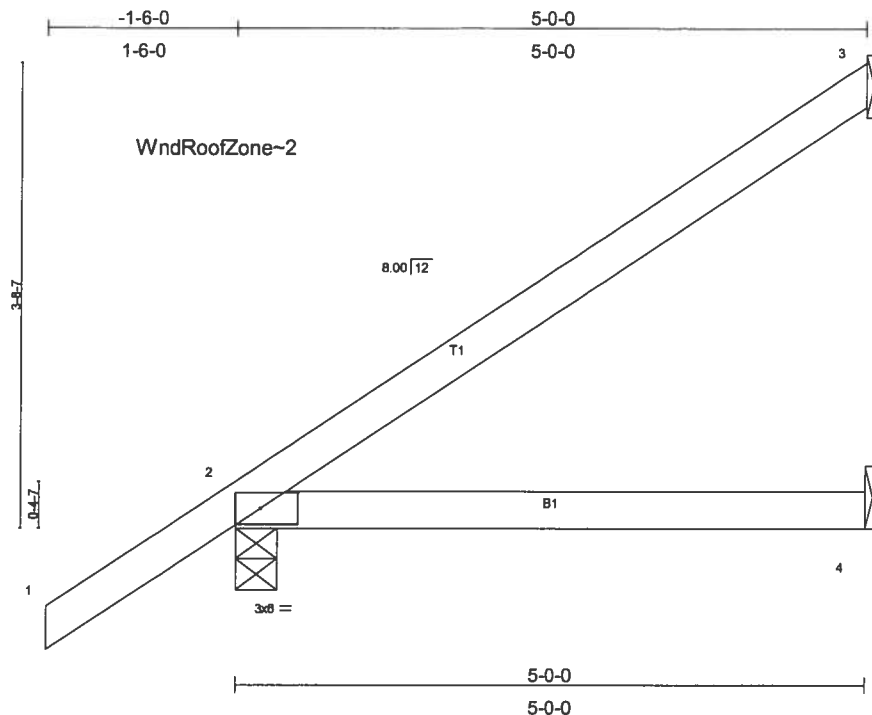


Plate Offsets (X,Y): [2.0-3.9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.22	Vert(LL)	0.09	2-4	>671	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.24	Vert(TL)	0.07	2-4	>784	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 19 lb										

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=113/Mechanical, 2=306/0-4-0, 4=72/Mechanical

Max Horz 2=215(load case 5)

Max Uplift 3=-122(load case 5), 2=-198(load case 5), 4=-56(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-100/50

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.15

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 3, 198 lb uplift at joint 2 and 56 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L218890	Truss CJ5T	Truss Type SPECIAL	Qty 2	Ply 1	LOT 10 HOLLER BROOK	Draw #1206061192
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 13:22:26 2006 Page 1			

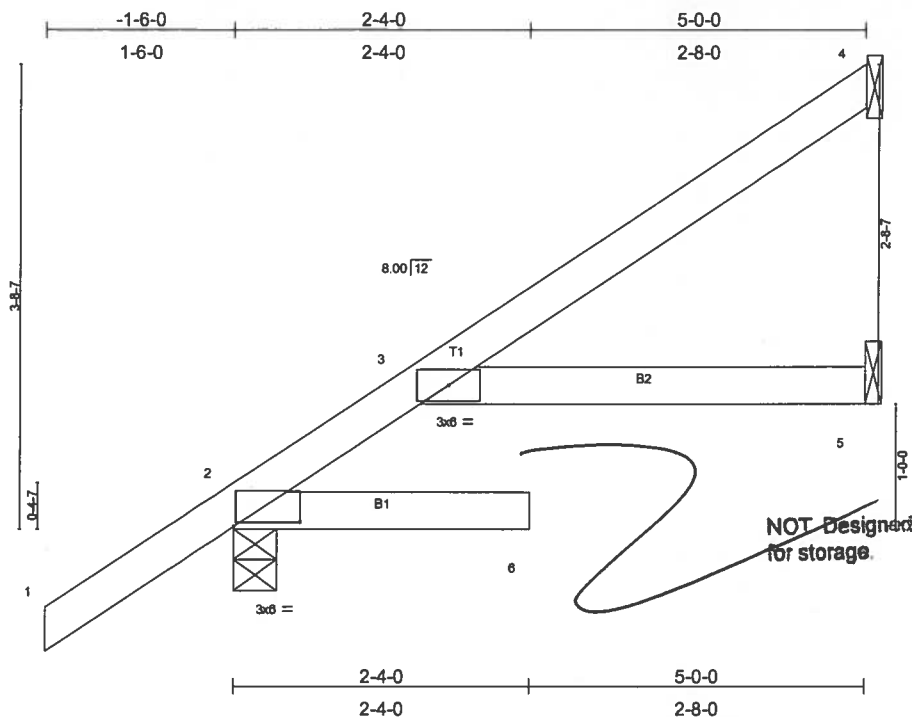


Plate Offsets (X,Y): [2-0-6-3,0-0-6]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.34	Vert(LL)	-0.12	6	>460	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.13	Vert(TL)	-0.21	6	>277	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.07	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 21 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=142/Mechanical, 2=323/0-4-0, 5=52/Mechanical
Max Horz 2=215(load case 5)
Max Uplift 4=-116(load case 5), 2=-135(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-98/2, 3-4=-79/69
BOT CHORD 2-6=0/0, 3-5=0/0

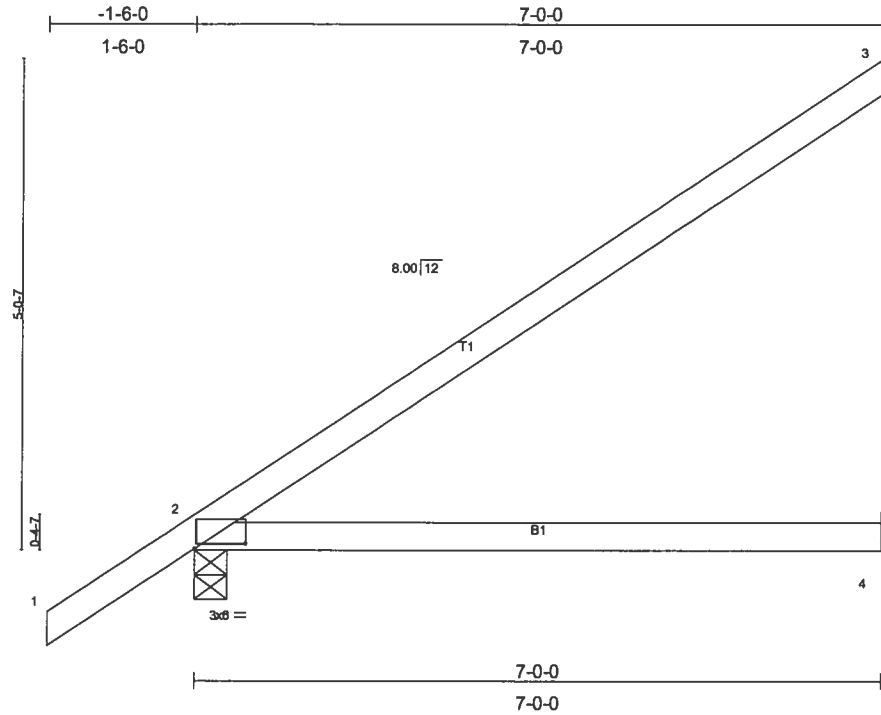
JOINT STRESS INDEX
2 = 0.65 and 3 = 0.03

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 4 and 135 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 10 HOWS: #2006061191
L218890	EJ7	MONO TRUSS	19	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:13:28 2006 Page 1		



Scale = 1/23 8
Camber = 1/16 in

Plate Offsets (X,Y): [2-0-6-3-0-0-10]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.45	Vert(LL)	0.32	2-4	>254	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.44	Vert(TL)	0.27	2-4	>305	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 26 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=164/Mechanical, 2=385/0-4-0, 4=109/Mechanical

Max Horz 2=277(load case 5)

Max Uplift 3=-174(load case 5), 2=-227(load case 5), 4=-76(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-131/73

BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.66

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

3) Refer to girder(s) for truss to truss connections.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 3, 227 lb uplift at joint 2 and 76 lb uplift at joint 4.

LOAD CASE(S) Standard

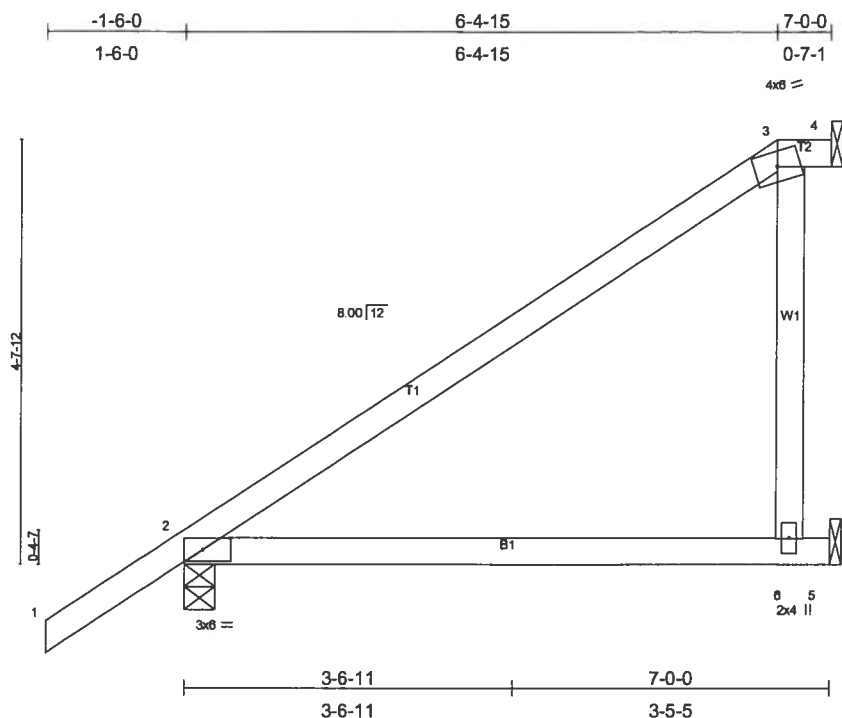


Plate Offsets (X,Y): [2:0-3:9,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.38	Vert(LL)	-0.15	2-6	>532	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.42	Vert(TL)	-0.25	2-6	>325	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.10	Horz(TL)	0.03	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 32 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 4=-74/Mechanical, 2=385/0-4-0, 5=347/Mechanical
 Max Horz 2=262(load case 5)
 Max Uplift 4=-74(load case 1), 2=-152(load case 5), 5=-350(load case 5)
 Max Grav 4=201(load case 5), 2=385(load case 1), 5=347(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-117/65, 3-4=-3/6
 BOT CHORD 2-6=-13/9, 5-6=0/0
 WEBS 3-6=-262/384

JOINT STRESS INDEX

2 = 0.45, 3 = 0.50 and 6 = 0.22

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 4, 152 lb uplift at joint 2 and 350 lb uplift at joint 5.

LOAD CASE(S) Standard

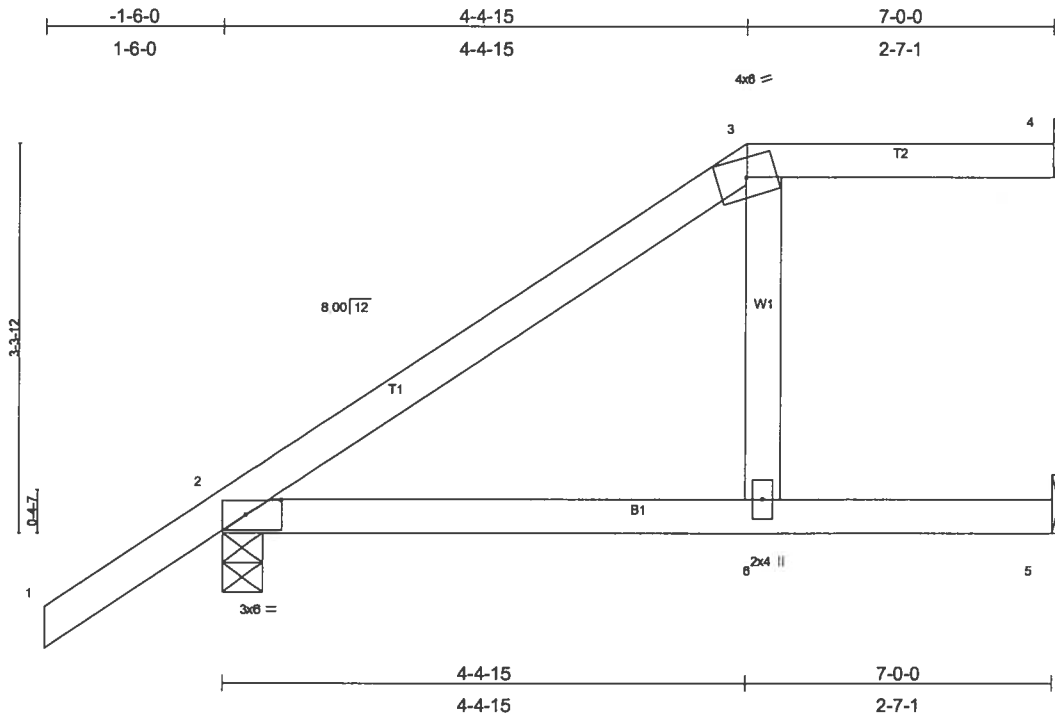


Plate Offsets (X,Y): [2-0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.37	Vert(LL)	-0.16	2-6	>506	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.47	Vert(TL)	-0.26	2-6	>313	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.03	Horz(TL)	0.16	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
										Weight: 29 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6'-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.

REACTIONS (lb/size) 4=134/Mechanical, 2=385/0-4-0, 5=139/Mechanical
Max Horz 2=200(load case 5)
Max Uplift 4=-61(load case 4), 2=-179(load case 5), 5=-48(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=100/19, 3-4=0/1
BOT CHORD 2-6=5/3, 5-6=0/0
WEBS 3-6=-62/105

JOINT STRESS INDEX

2 = 0.28, 3 = 0.65 and 6 = 0.06

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 4, 179 lb uplift at joint 2 and 48 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L218890	Truss* EJ7C	Truss Type GABLE	Qty 2	Ply 1	LOT 10 HOUS-BROOK #1206061188
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 15:49:59 2006 Page 1		

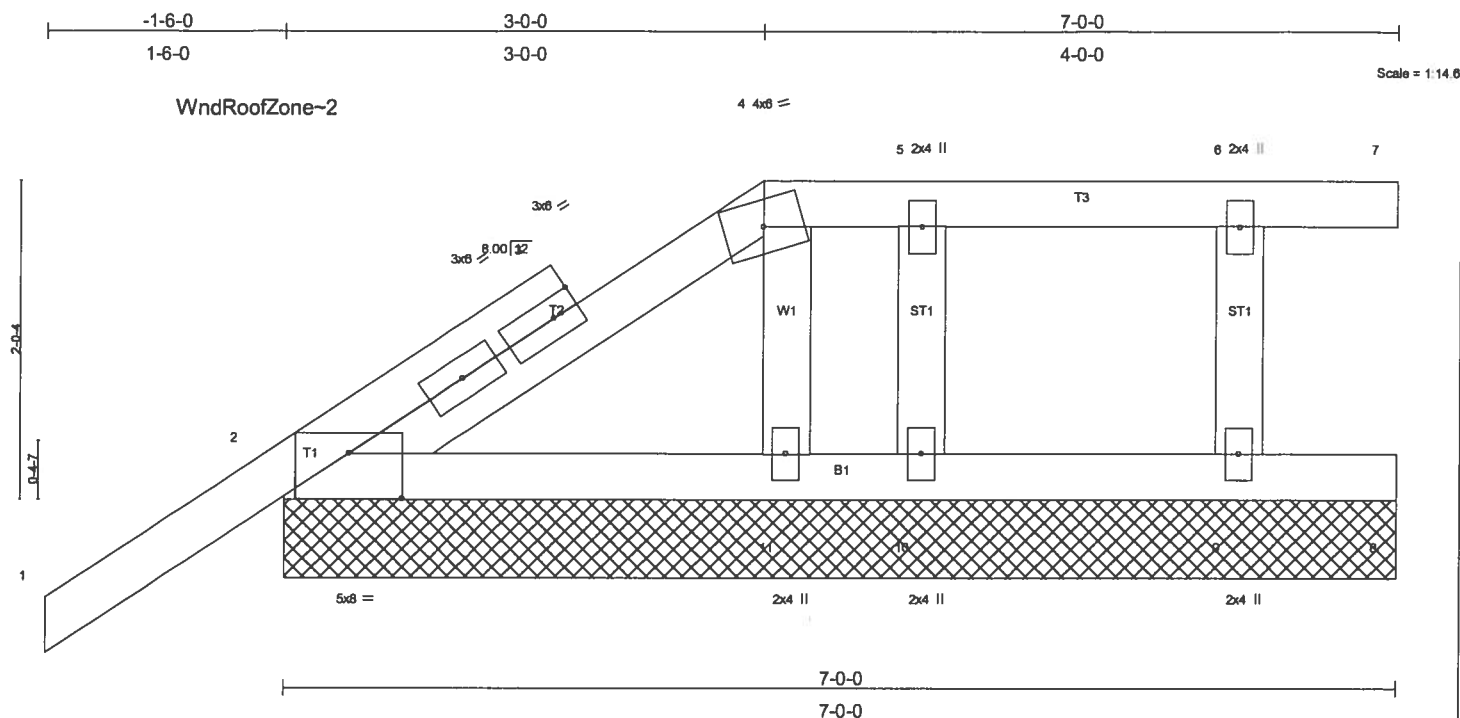


Plate Offsets (X,Y): [2-0-4-0-0-3-7]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)
TCLL 20.0	Plates Increase	1.25	TC 0.22	Vert(LL)	-0.00 1 n/r 120
TCCL 7.0	Lumber Increase	1.25	BC 0.04	Vert(TL)	-0.01 1 n/r 90
BCCL 10.0	Rep Stress Incr	NO	WB 0.04	Horz(TL)	-0.00 7 n/a n/a
BCDL 5.0	Code FBC2004/TP12002		(Matrix)		
				PLATES	GRIP
				MT20	244/190
				Weight: 33 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purfins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	
OTHERS 2 X 4 SYP No.3	

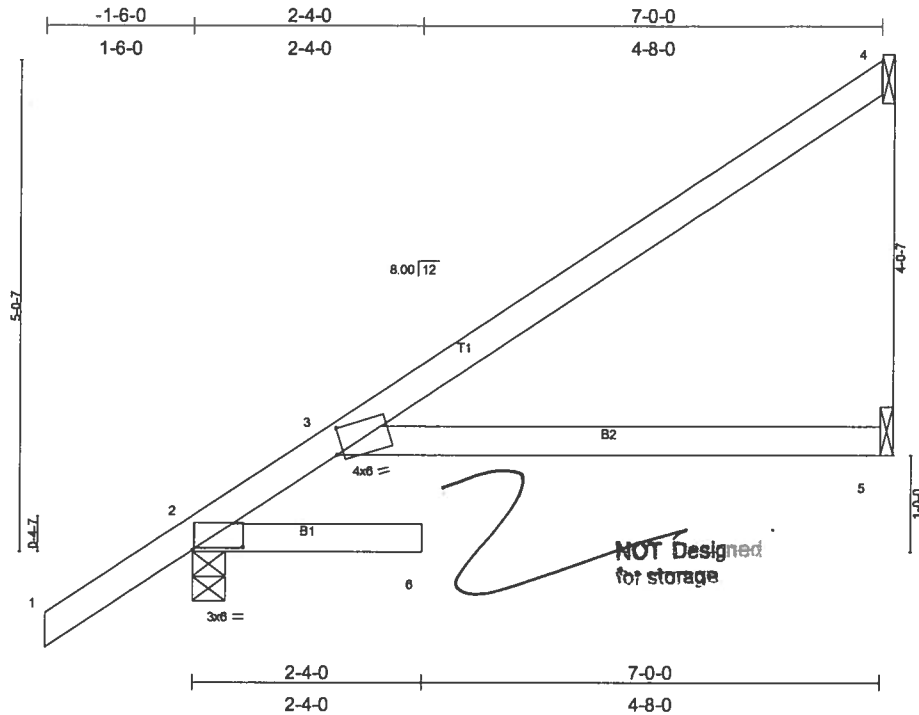
REACTIONS (lb/size) 2=330/7-0-0, 7=20/7-0-0, 8=5/7-0-0, 10=134/7-0-0, 9=213/7-0-0, 11=247/7-0-0
 Max Horz 2=141(load case 5)
 Max Uplift 2=183(load case 5), 7=15(load case 3), 10=114(load case 3), 9=96(load case 3), 11=68(load case 5)
 Max Grav 2=330(load case 1), 7=20(load case 10), 8=5(load case 10), 10=150(load case 10), 9=213(load case 1), 11=247(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-10/70, 2-3=-82/14, 3-4=-36/49, 4-5=-1/1, 5-6=0/0, 6-7=0/0
 BOT CHORD 2-11=-10/14, 10-11=0/0, 9-10=0/0, 8-9=0/0
 WEBS 5-10=-129/119, 6-9=-156/142, 4-11=-168/118

JOINT STRESS INDEX
 2 = 0.54, 3 = 0.00, 3 = 0.22, 3 = 0.22, 4 = 0.16, 5 = 0.07, 6 = 0.08, 9 = 0.08, 10 = 0.07 and 11 = 0.07

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 4) Provide adequate drainage to prevent water ponding.
 5) Gable requires continuous bottom chord bearing.
 6) Gable studs spaced at 2-0-0 oc.
 7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint 2, 15 lb uplift at joint 7, 114 lb uplift at joint 10, 96 lb uplift at joint 9 and 68 lb uplift at joint 11.
 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-87(F=-33), 4-7=-87(F=-33), 2-8=30



Scale = 1/23.6
Camber = 1/8 in

Plate Offsets (X,Y): [2:0-6-3,0-0-6], [3:0-0-12,0-3-3]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	Vert(LL)	-0.22	6	>371	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.46	Vert(TL)	-0.36	6	>226	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.14	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 27 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=160/Mechanical, 2=405/0-4-0, 5=120/Mechanical
Max Horz 2=277(load case 5)
Max Uplift 4=146(load case 5), 2=138(load case 5), 5=19(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-148/0, 3-4=-107/73
BOT CHORD 2-6=0/0, 3-5=0/0

JOINT STRESS INDEX

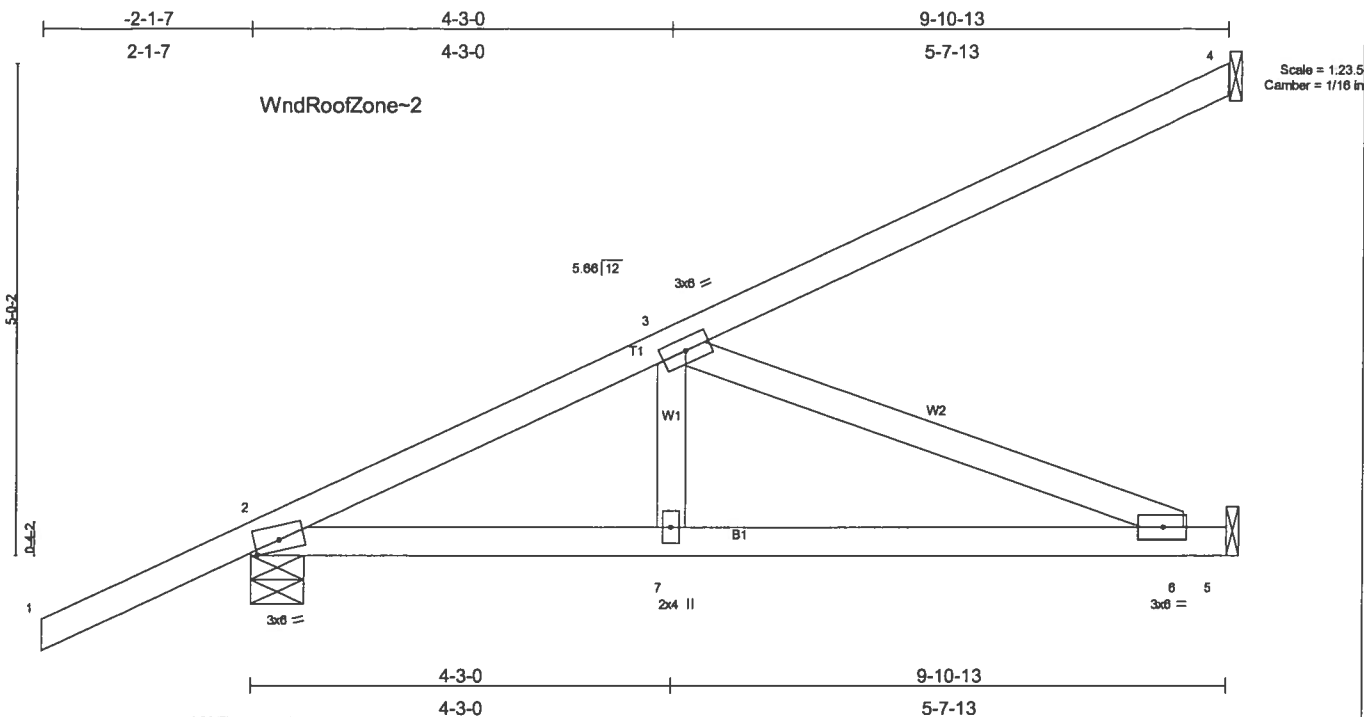
2 = 0.68 and 3 = 0.82

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 4, 138 lb uplift at joint 2 and 19 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L218890	Truss HJ9	Truss Type MONO TRUSS	Qty 2	Ply 1	LOT 10 HOLLY BROOK	Dwg #1206061186
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 13:39:56 2006 Page 1			



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.58	Vert(LL) -0.10 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.41	Vert(TL) -0.17 6-7 >673 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 45 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-5-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 4=266/Mechanical, 2=488/0-6-7, 5=387/Mechanical
Max Horz 2=343(load case 4)
Max Uplift 4=267(load case 4), 2=306(load case 4), 5=215(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=741/249, 3-4=-149/83
BOT CHORD 2-7=-502/656, 6-7=-502/656, 5-6=0/0
WEBS 3-7=-96/210, 3-6=-705/539

JOINT STRESS INDEX
2 = 0.86, 3 = 0.23, 6 = 0.19 and 7 = 0.15

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 4, 306 lb uplift at joint 2 and 215 lb uplift at joint 5.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-134(F=40, B=40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

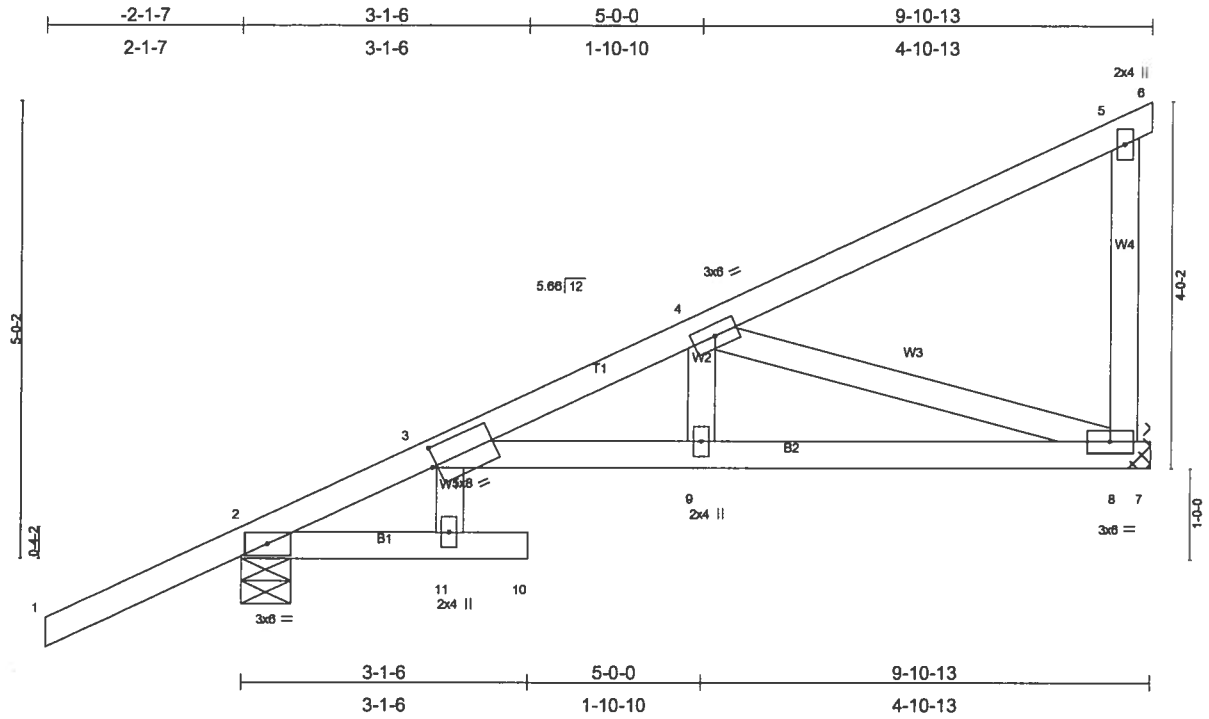


Plate Offsets (X,Y): [3:0-0,10:0-2,8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.69	Vert(LL)	-0.17	10	>656	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.66	Vert(TL)	-0.28	10	>401	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.34	Horz(TL)	0.11	8	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 51 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-11.

REACTIONS

(lb/size) 2=562/0-6-7, 8=397/Mechanical
Max Horz 2=278(load case 4)
Max Uplift 2=-243(load case 4), 8=-188(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=-197/0, 3-4=-844/198, 4-5=-65/30, 5-6=2/0
BOT CHORD 2-11=-19/0, 10-11=0/0, 3-9=-334/783, 8-9=-334/783, 7-8=0/0
WEBS 4-9=0/242, 4-8=-818/349, 5-8=-100/101, 3-11=0/88

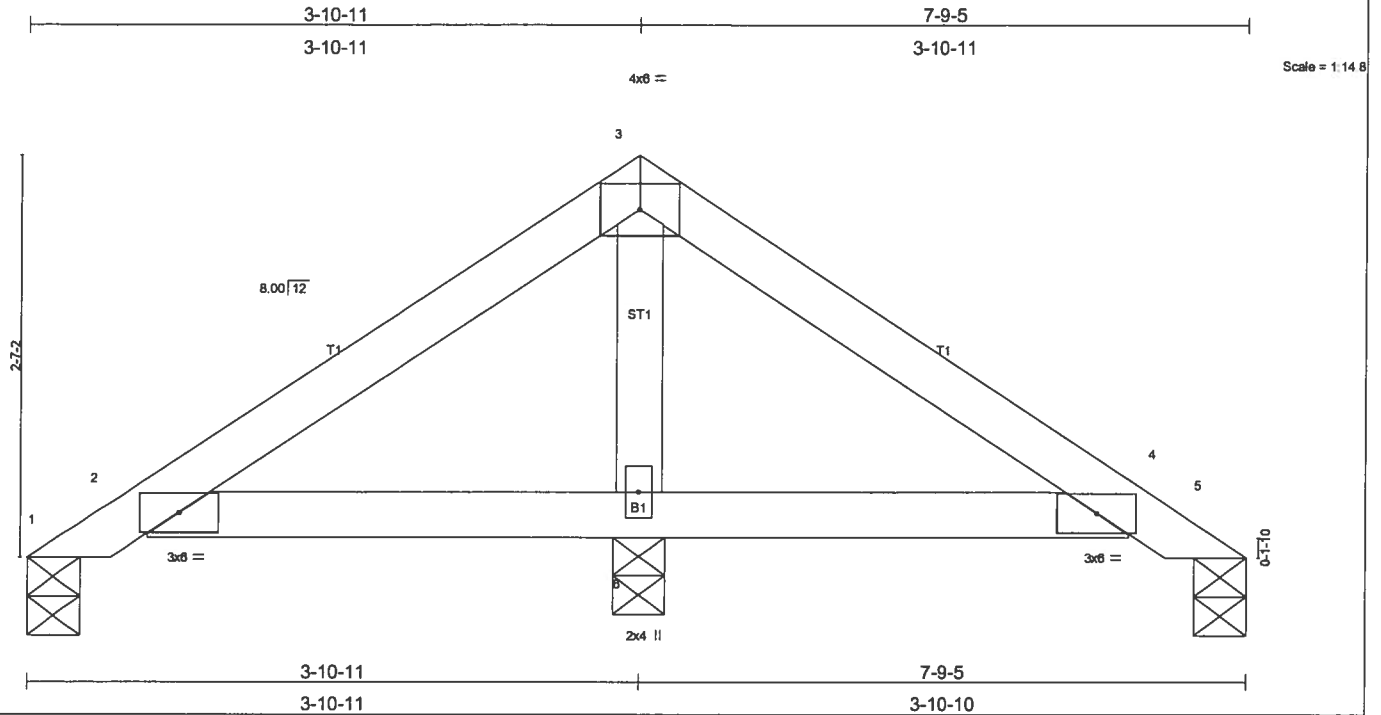
JOINT STRESS INDEX

2 = 0.50, 3 = 0.82, 4 = 0.22, 5 = 0.05, 8 = 0.23, 9 = 0.18 and 11 = 0.06

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 2 and 188 lb uplift at joint 8.

LOAD CASE(S) Standard



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL)	-0.01	4-6	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.10	Vert(TL)	-0.01	4-6	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.07	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 26 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2 X 4 SYP No.3	

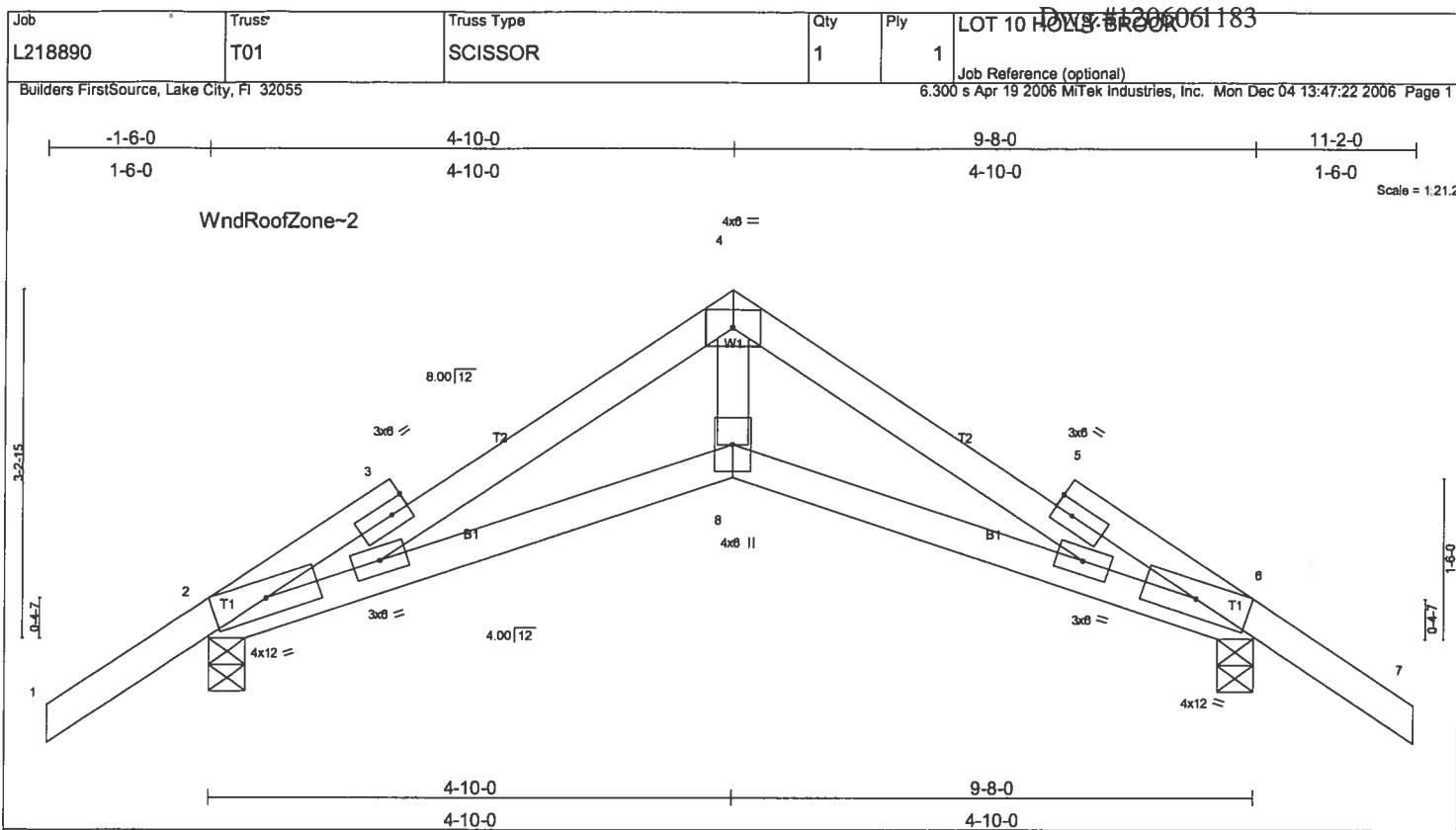
REACTIONS (lb/size)	1=41/0-4-0, 5=41/0-4-0, 6=522/0-4-0
Max Horz	1=86(load case 4)
Max Uplift	1=-12(load case 6), 5=-35(load case 3), 6=-173(load case 5)
Max Grav	1=66(load case 9), 5=66(load case 10), 6=522(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-75/78, 2-3=-72/213, 3-4=-58/213, 4-5=-31/22
BOT CHORD 2-6=-129/98, 4-6=-129/98
WEBS 3-6=-379/176

JOINT STRESS INDEX
2 = 0.23, 3 = 0.28, 4 = 0.23 and 6 = 0.14

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 1, 35 lb uplift at joint 5 and 173 lb uplift at joint 6.
 - SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard



LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=691/0-4-0, 6=691/0-4-0
Max Horz 2=108(load case 4)
Max Uplift2=-305(load case 5), 6=-305(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=3/69, 2-3=1248/261, 3-4=1167/258, 4-5=1167/276, 5-6=1248/279, 6-7=3/69
BOT CHORD 2-8=180/1049, 6-8=180/1049
WEBS 4-8=93/809

JOINT STRESS INDEX
2 = 0.67, 2 = 0.00, 3 = 0.00, 3 = 0.37, 4 = 0.47, 5 = 0.00, 5 = 0.37, 6 = 0.67, 6 = 0.00 and 8 = 0.64

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCLD=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 555.00 psi
- 4) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 2 and 305 lb uplift at joint 6.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-87(F=33), 4-7=-87(F=33), 2-8=30, 6-8=30

Job L218890	Truss T02	Truss Type GABLE	Qty 1	Ply 1	LOT 10 HOLLY BROOK	Draw #1206061182
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 13:56:45 2006 Page 1			

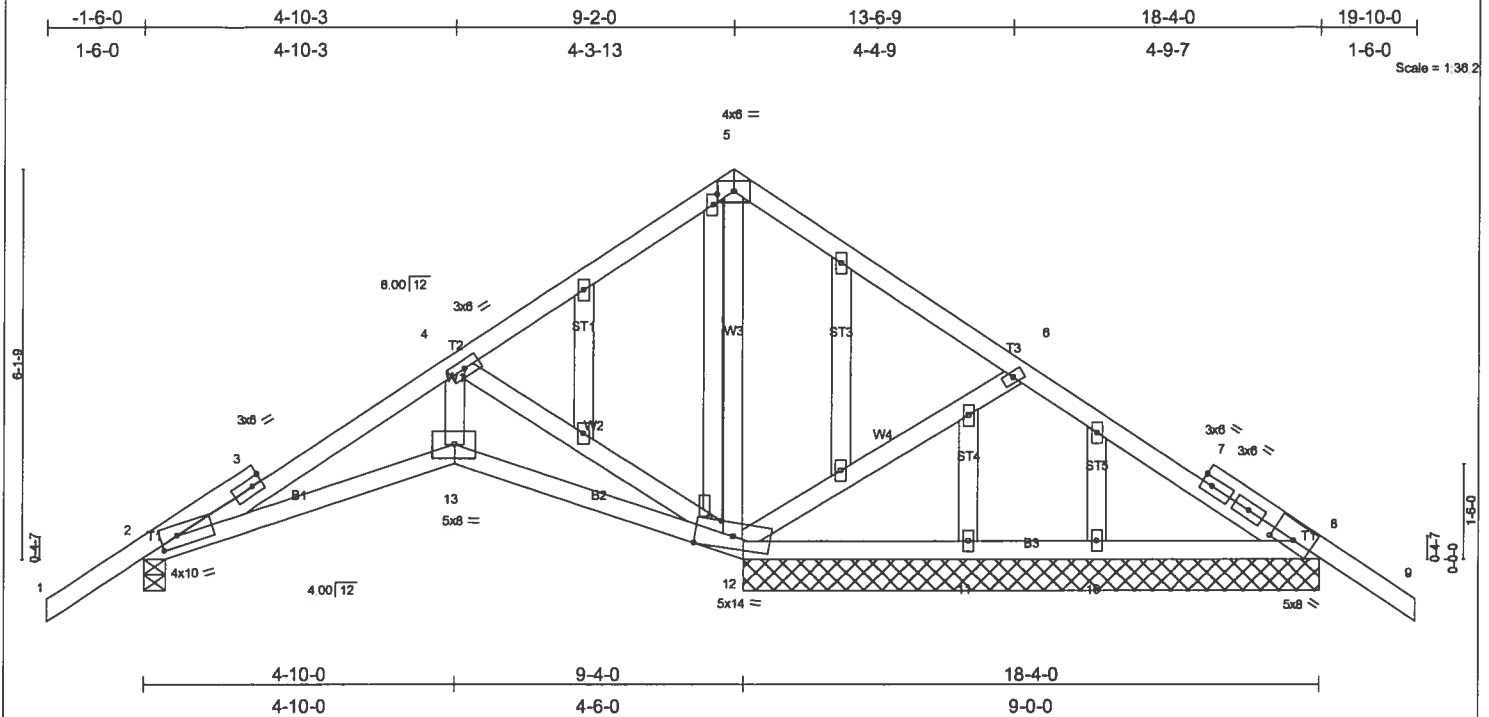


Plate Offsets (X,Y): [2:0-3-4,0-2-0], [8:0-4-5,0-1-12], [12:0-0-14,0-2-4], [16:0-2-0,0-0-12]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.31	in (loc) l/defl L/d	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.19	Vert(LL) 0.05 2-13 >999 240	GRIP
BCLL 10.0	Rep Stress Incr	NO	WB 0.48	Vert(TL) -0.04 2-13 >999 180	244/190
BCDL 5.0	Code FBC2004/TP12002		(Matrix)	Horz(TL) 0.02 12 n/a n/a	
Weight: 118 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	
OTHERS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=402/0-4-0, 8=335/9-0-0, 12=1449/9-0-0, 11=63/9-0-0, 10=114/9-0-0
 Max Horz 2=210(load case 4)
 Max Uplift 2=234(load case 6), 8=243(load case 6), 12=590(load case 6), 10=6/(load case 6)
 Max Grav 2=418(load case 9), 8=404(load case 10), 12=1449(load case 1), 11=72(load case 9), 10=118(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1/64, 2-3=-255/163, 3-4=-167/167, 4-5=-245/537, 5-6=-249/540, 6-7=-223/275, 7-8=-224/222, 8-9=-3/70
 BOT CHORD 2-13=-170/231, 12-13=-165/227, 11-12=-182/252, 10-11=-181/252, 8-10=-181/252
 WEBS 4-13=-355/234, 4-12=-573/546, 5-12=-860/433, 6-12=-390/299

JOINT STRESS INDEX
 2 = 0.31, 3 = 0.00, 3 = 0.27, 4 = 0.43, 5 = 0.61, 6 = 0.34, 7 = 0.00, 7 = 0.30, 7 = 0.30, 8 = 0.59, 10 = 0.34, 11 = 0.34, 12 = 0.68, 12 = 0.62, 13 = 0.78, 14 = 0.34, 15 = 0.34, 16 = 0.38, 17 = 0.34, 18 = 0.34, 19 = 0.34 and 20 = 0.34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Bearing at joint(s) 2 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint 2, 243 lb uplift at joint 8, 590 lb uplift at joint 12 and 6 lb uplift at joint 10.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-81(F=27), 4-5=-87(F=33), 5-9=-87(F=33), 2-13=-30, 12-13=-30, 8-12=-30

Job	Truss*	Truss Type	Qty	Ply	LOT 10 HOLLY BROOK
L218890	T03	SPECIAL	3	1	
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 13:56:09 2006 Page 1		

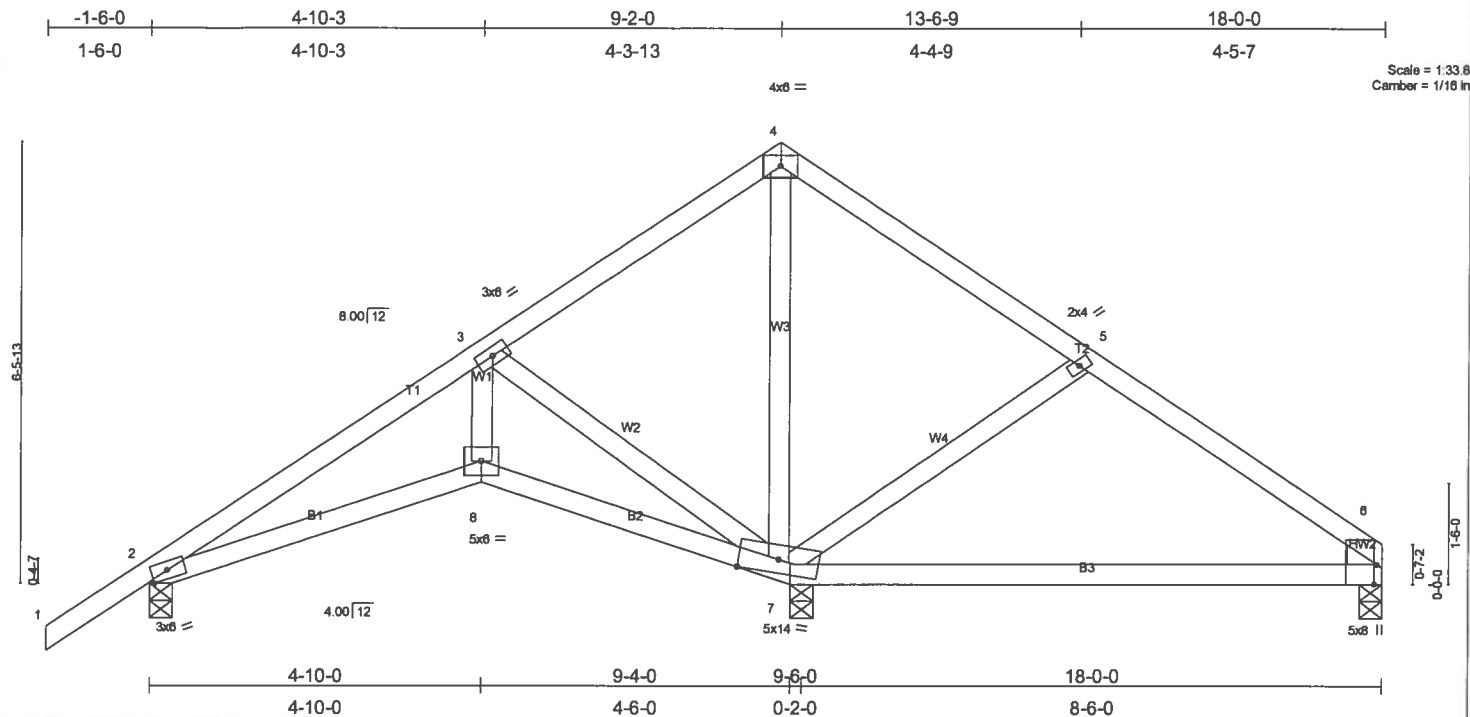


Plate Offsets (X,Y): [2-0-2-13,Edge], [6-0-3-8,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.54	Vert(LL)	0.36	6-7	>287	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.40	Vert(TL)	0.31	6-7	>337	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.31	Horz(TL)	0.01	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 90 lb										

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Right: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

(lb/size) 2=323/0-4-0, 7=1046/0-4-0, 6=205/0-4-0
Max Horz 2=234(load case 4)
Max Uplift 2=170(load case 5), 7=444(load case 5), 6=247(load case 3)
Max Grav 2=331(load case 9), 7=1046(load case 1), 6=269(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/43, 2-3=249/23, 3-4=108/284, 4-5=57/283, 5-6=175/229
BOT CHORD 2-8=132/250, 7-8=122/254, 6-7=147/126
WEBS 3-8=15/229, 3-7=409/187, 4-7=465/124, 5-7=271/274

JOINT STRESS INDEX

2 = 0.21, 3 = 0.43, 4 = 0.33, 5 = 0.34, 6 = 0.58, 6 = 0.00, 7 = 0.69 and 8 = 0.46

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 2, 444 lb uplift at joint 7 and 247 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L218890	Truss T04	Truss Type COMMON	Qty 1	Ply 2	LOT 10 ROWS #1206061180 Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:11:44 2006 Page 1
Builders FirstSource, Lake City, FL 32055					

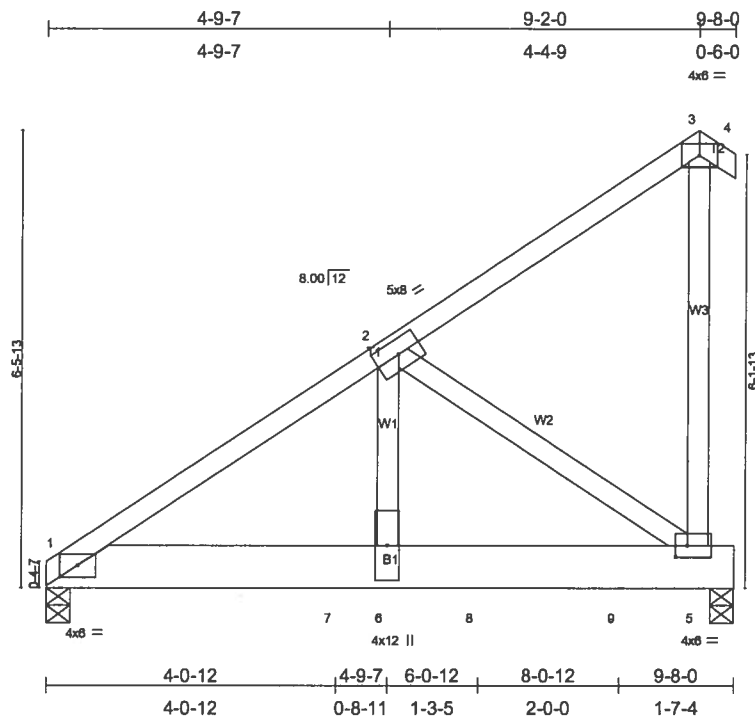


Plate Offsets (X,Y): [5:0-2-0,0-2-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.16	Vert(LL) -0.03 1-6 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.24	Vert(TL) -0.05 1-6 >999 180		
BCLL 10.0	Rep Stress Incr NO	WB 0.66	Horz(TL) 0.01 5 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
Weight: 134 lb					

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 1=2556/0-4-0, 5=3467/0-4-0
Max Horz 1=260/load case 4)
Max Uplift 1=-883/load case 4), 5=-1402(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-3906/1330, 2-3=-76/42, 3-4=0/15
BOT CHORD 1-7=-1291/3197, 6-7=-1291/3197, 6-8=-1291/3197, 8-9=-1291/3197, 5-9=-1291/3197
WEBS 2-6=-1475/4111, 3-5=-126/113, 2-5=-3911/1579

JOINT STRESS INDEX

1 = 0.63, 2 = 0.70, 3 = 0.02, 5 = 0.62 and 6 = 0.50

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 883 lb uplift at joint 1 and 1402 lb uplift at joint 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2852 lb down and 1077 lb up at 4-0-12, and 1206 lb down and 455 lb up at 6-0-12, and 1182 lb down and 446 lb up at 8-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 1-5=-30
Concentrated Loads (lb)
Vert: 7=-2852(F) 8=-1206(F) 9=-1182(F)

Job	Truss	Truss Type	Qty	Ply	LOT 10 HOLLER BROOK
L218890	T05	SPECIAL	1	2	

Dwg #1206061179

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:06:22 2006 Page 1

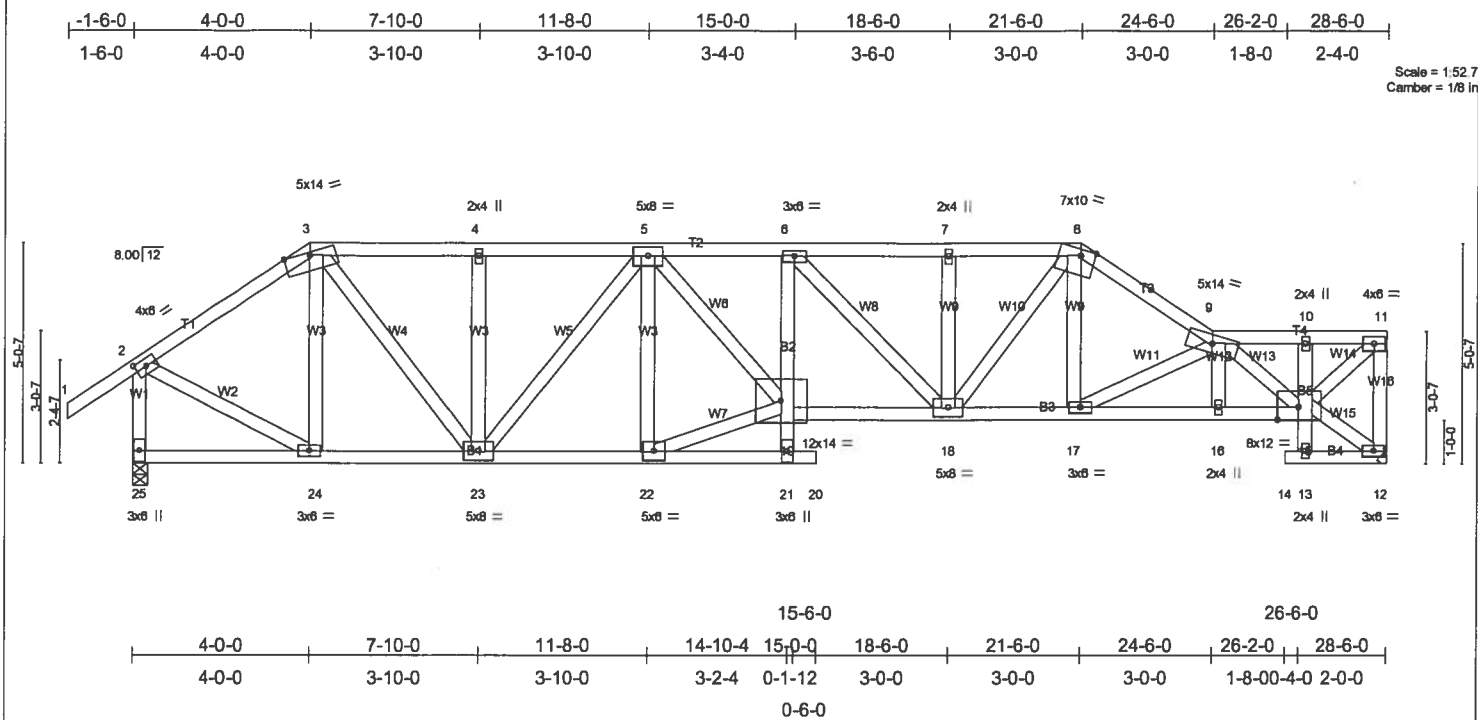


Plate Offsets (X,Y): [2-0-2-14,0-2-0], [8-0-4-0,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.84	Vert(LL) 0.23 20 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.46	Vert(TL) -0.34 20 >982 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.17 12 n/a n/a		
	Code FBC2004/TPI2002			Weight: 404 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 4 SYP No.1D, B5 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 4 SYP No.2, W6 2 X 4 SYP No.2, W14 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-11 oc purlins, except end
verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-7 oc bracing.

REACTIONS (lb/size) 12=2852/Mechanical, 25=3204/0-4-0
Max Horz 25=548(load case 4)
Max Uplift 12=1510(load case 3), 25=1774(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=2917/1734, 3-4=3929/2498, 4-5=3928/2499, 5-6=7248/4405, 6-7=6016/3521, 7-8=6017/3521, 8-9=5656/3149,
9-10=2807/1495, 10-11=2627/1398, 11-12=2752/1473, 2-25=3068/1788
BOT CHORD 24-25=585/87, 23-24=1708/2288, 22-23=3236/5029, 21-22=212/344, 20-21=0/0, 19-21=813/1227, 6-19=720/1011, 18-19=4494/7325,
17-18=2625/4753, 16-17=3139/5834, 15-16=3131/5830, 13-15=0/22, 10-15=130/127, 13-14=0/0, 12-13=66/122
WEBS 3-24=942/705, 3-23=1553/2627, 4-23=438/476, 5-23=1759/1008, 5-22=1563/1211, 19-22=3230/5003, 5-19=1974/3321,
6-18=1892/1420, 7-18=320/216, 8-18=1404/2070, 8-17=508/1201, 9-17=1287/609, 9-16=51/94, 9-15=3883/2129, 12-15=100/55,
11-15=1971/3704, 2-24=1365/2531

JOINT STRESS INDEX
2 = 0.70, 3 = 0.53, 4 = 0.34, 5 = 0.80, 6 = 0.55, 7 = 0.34, 8 = 0.78, 9 = 0.81, 10 = 0.73, 11 = 0.80, 12 = 0.45, 13 = 0.34, 15 = 0.73, 16 = 0.34, 17 = 0.39, 18 = 0.51, 19 = 0.88, 21 = 0.39, 22 = 0.81, 23 = 0.64, 24 = 0.73 and 25 = 0.32

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1510 lb uplift at joint 12 and 1774 lb uplift at joint 25.
- Girder carries tie-in span(s): 4-9-12 from 15-0-0 to 21-6-0; 4-5-4 from 15-0-0 to 21-6-0
- Girder carries hip end with 13-6-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 397 lb down and 188 lb up at 21-6-0, and 1040 lb down and 792 lb up at 14-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L218890	Truss T05	Truss Type SPECIAL	Qty 1	Ply 2	LOT 10 HOLLY BROOK
----------------	--------------	-----------------------	----------	----------	--------------------

Draw #1306061178

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:06:22 2006 Page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-54, 2-3=-118(F=-64), 3-6=-118(F=-64), 6-8=-107(F=-53), 8-9=-54, 9-11=-54, 21-25=65(F=-35), 20-21=-75(F=-45), 17-19=-75(F=-45), 15-17=-30, 13-14=-30, 12-13=-30

Concentrated Loads (lb)

Vert: 21=-1040(F) 17=-397(F)

Job L218890	Truss T06	Truss Type SPECIAL	Qty 1	Ply 1	LOT 10 HOWE BRIDGE #1206061177
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:08:07 2006 Page 1		

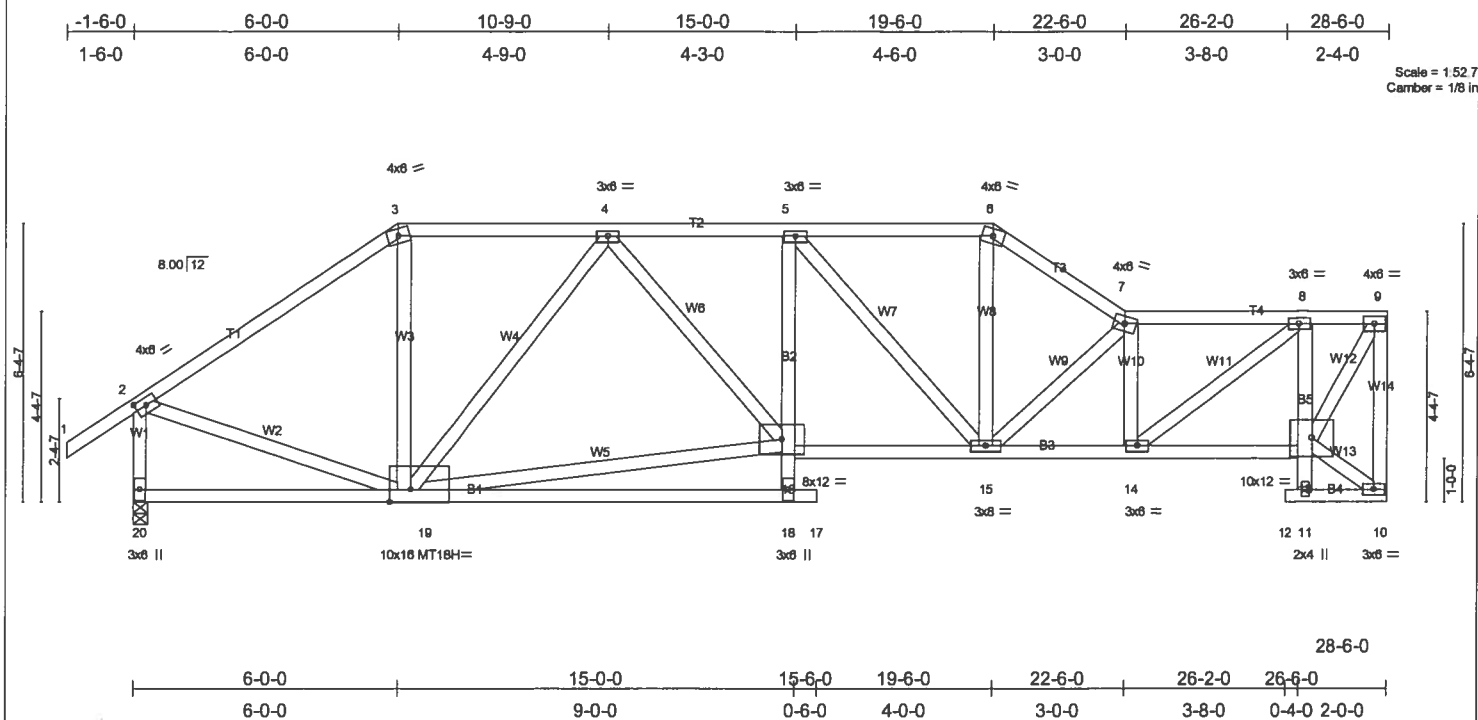


Plate Offsets (X,Y): [2:0-2-14,0-2-0], [19:0-5-12,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.45	Vert(LL)	-0.14 18-19	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.65	Vert(TL)	-0.23 18-19	>999	180	MT18H	244/190
BCLL 10.0	Lumber Increase 1.25	WB 0.78	Horz(TL)	0.09 10	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002						Weight: 205 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
B2 2 X 4 SYP No.3, B5 2 X 4 SYP No.3	7-6-10 oc bracing: 15-16
WEBS 2 X 4 SYP No.3	8-1-7 oc bracing: 14-15.

REACTIONS (lb/size) 10=1206/Mechanical, 20=1286/0-4-0
Max Horz 20=238(load case 5)
Max Uplift 10=436(load case 4), 20=396(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1259/453, 3-4=-1007/433, 4-5=-1715/682, 5-6=-1477/523, 6-7=-1781/615, 7-8=-1782/596, 8-9=-682/247, 9-10=-1162/424, 2-20=-1197/434
BOT CHORD 19-20=236/117, 18-19=-35/230, 17-18=0/0, 16-18=0/149, 5-16=0/111, 15-16=-698/1736, 14-15=-611/1818, 13-14=-271/741, 11-13=0/30, 8-13=-971/421, 11-12=0/0, 10-11=-24/21
WEBS 3-19=-123/418, 4-19=-755/416, 16-19=-596/1192, 4-16=-150/485, 5-15=-461/261, 6-15=-251/737, 7-15=-507/168, 7-14=-774/299, 8-14=-414/1320, 10-13=-11/25, 9-13=-472/1297, 2-19=-347/941

JOINT STRESS INDEX
2 = 0.75, 3 = 0.53, 4 = 0.41, 5 = 0.39, 6 = 0.46, 7 = 0.54, 8 = 0.78, 9 = 0.73, 10 = 0.38, 11 = 0.34, 13 = 0.41, 14 = 0.78, 15 = 0.57, 16 = 0.86, 18 = 0.70, 19 = 0.40 and 20 = 0.31

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 436 lb uplift at joint 10 and 396 lb uplift at joint 20.

LOAD CASE(S) Standard

Job L218890	Truss T07	Truss Type SPECIAL	Qty 1	Ply 1	LOT 10 HOLLY BROOK
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:08:32 2006 Page 1		

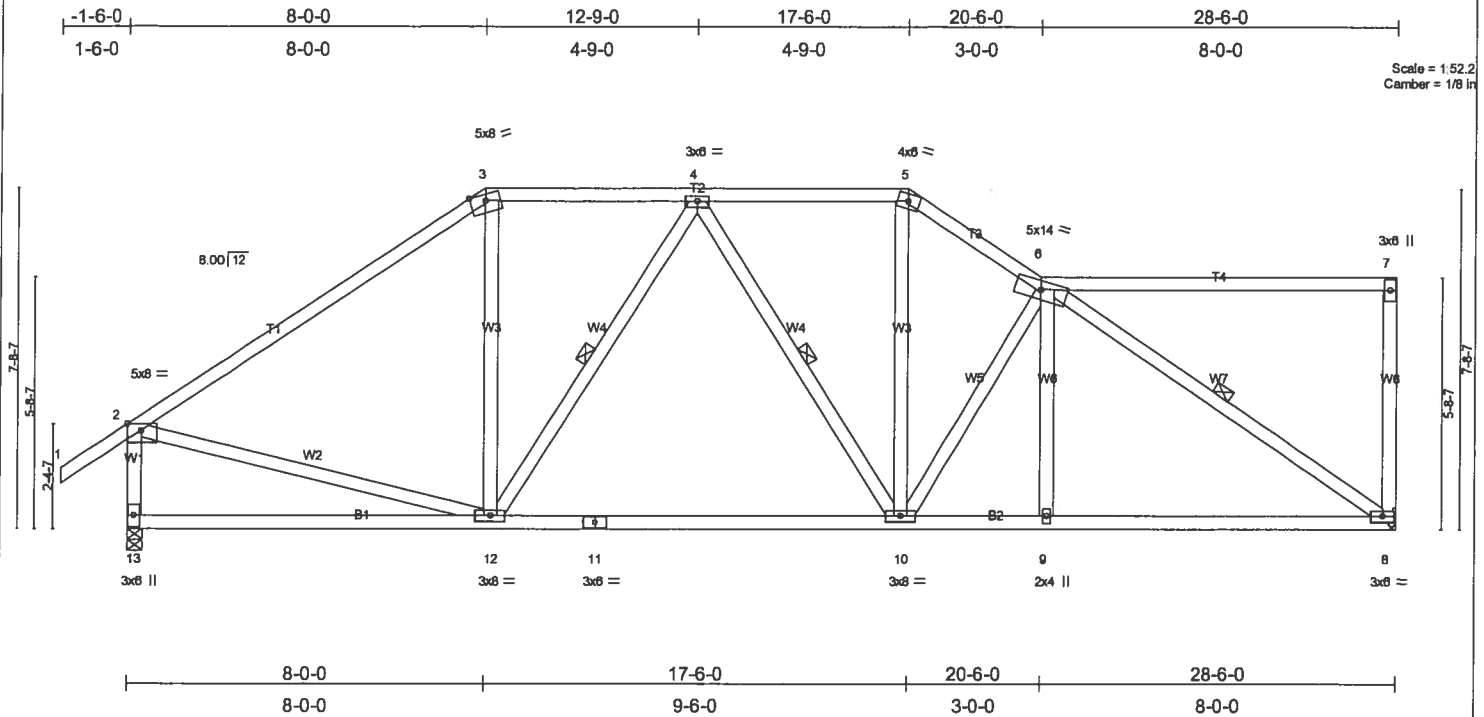


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.81	Vert(LL) -0.18 10-12 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.52	Vert(TL) -0.30 10-12 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.63	Horz(TL) 0.04 8 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
Weight: 190 lb					

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-1 oc purins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-4 oc bracing.
WEBS 1 Row at midpt 4-12, 4-10, 6-8

REACTIONS (lb/size) 8=1182/Mechanical, 13=1276/0-4-0
Max Horz 13=249(load case 5)
Max Uplift 8=450(load case 4), 13=409(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/49, 2-3=-1276/390, 3-4=-965/390, 4-5=-1097/399, 5-6=-1378/481, 6-7=-69/33, 7-8=-213/177, 2-13=-1164/427
BOT CHORD 12-13=-331/158, 11-12=-456/1100, 10-11=-456/1100, 9-10=-452/1291, 8-9=-451/1295
WEBS 3-12=-107/373, 4-12=-351/273, 4-10=-101/145, 5-10=-227/566, 6-10=-415/159, 6-9=0/142, 6-8=-1488/507, 2-12=-271/830

JOINT STRESS INDEX

2 = 0.74, 3 = 0.65, 4 = 0.44, 5 = 0.37, 6 = 0.68, 7 = 0.62, 8 = 0.77, 9 = 0.34, 10 = 0.60, 11 = 0.47, 12 = 0.76 and 13 = 0.46

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 450 lb uplift at joint 8 and 409 lb uplift at joint 13.

LOAD CASE(S) Standard

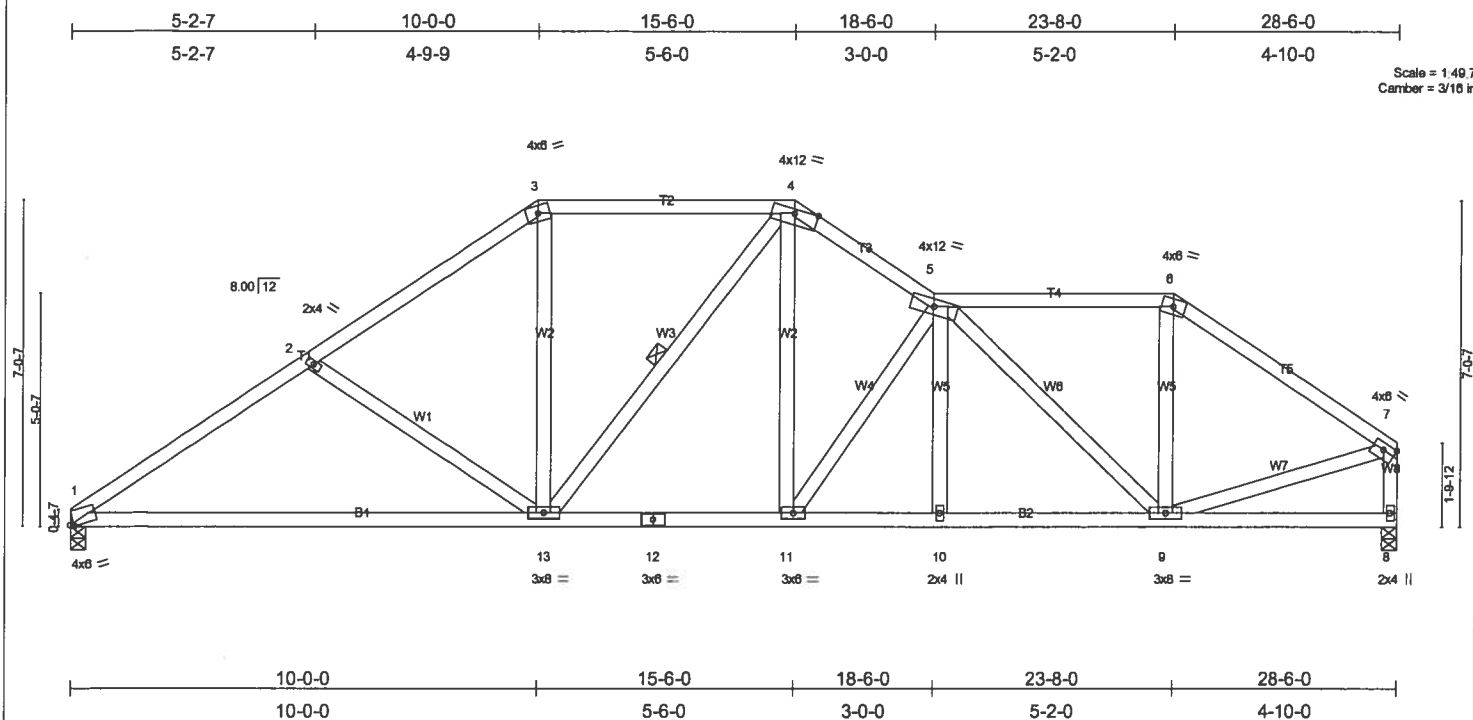


Plate Offsets (X,Y): [1:0-1-1,Edge], [7:Edge,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	Vert(LL)	-0.26	1-13	>999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.65	Vert(TL)	-0.45	1-13	>758		
BCLL 10.0	Lumber Increase 1.25	WB 0.64	Horz(TL)	0.06	8	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 171 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purfins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-9-2 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-13

REACTIONS (lb/size) 1=1184/0-4-0, 8=1184/0-4-0
 Max Horz 1=228(load case 4)
 Max Uplift 1=351(load case 5), 8=379(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1718/534, 2-3=-1488/471, 3-4=-1183/448, 4-5=-1514/532, 5-6=-1037/422, 6-7=-1298/427, 7-8=-1109/388
 BOT CHORD 1-13=-500/1384, 12-13=-363/1245, 11-12=-363/1245, 10-11=-442/1620, 9-10=-441/1624, 8-9=-57/91
 WEBS 2-13=-261/263, 3-13=-121/506, 4-13=-201/173, 4-11=-253/654, 5-11=-703/324, 5-10=0/131, 5-9=-806/259, 6-9=-55/394, 7-9=-303/983

JOINT STRESS INDEX
 1 = 0.81, 2 = 0.34, 3 = 0.50, 4 = 0.62, 5 = 0.47, 6 = 0.49, 7 = 0.67, 8 = 0.78, 9 = 0.90, 10 = 0.34, 11 = 0.43, 12 = 0.46 and 13 = 0.58

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 351 lb uplift at joint 1 and 379 lb uplift at joint 8.

LOAD CASE(S) Standard

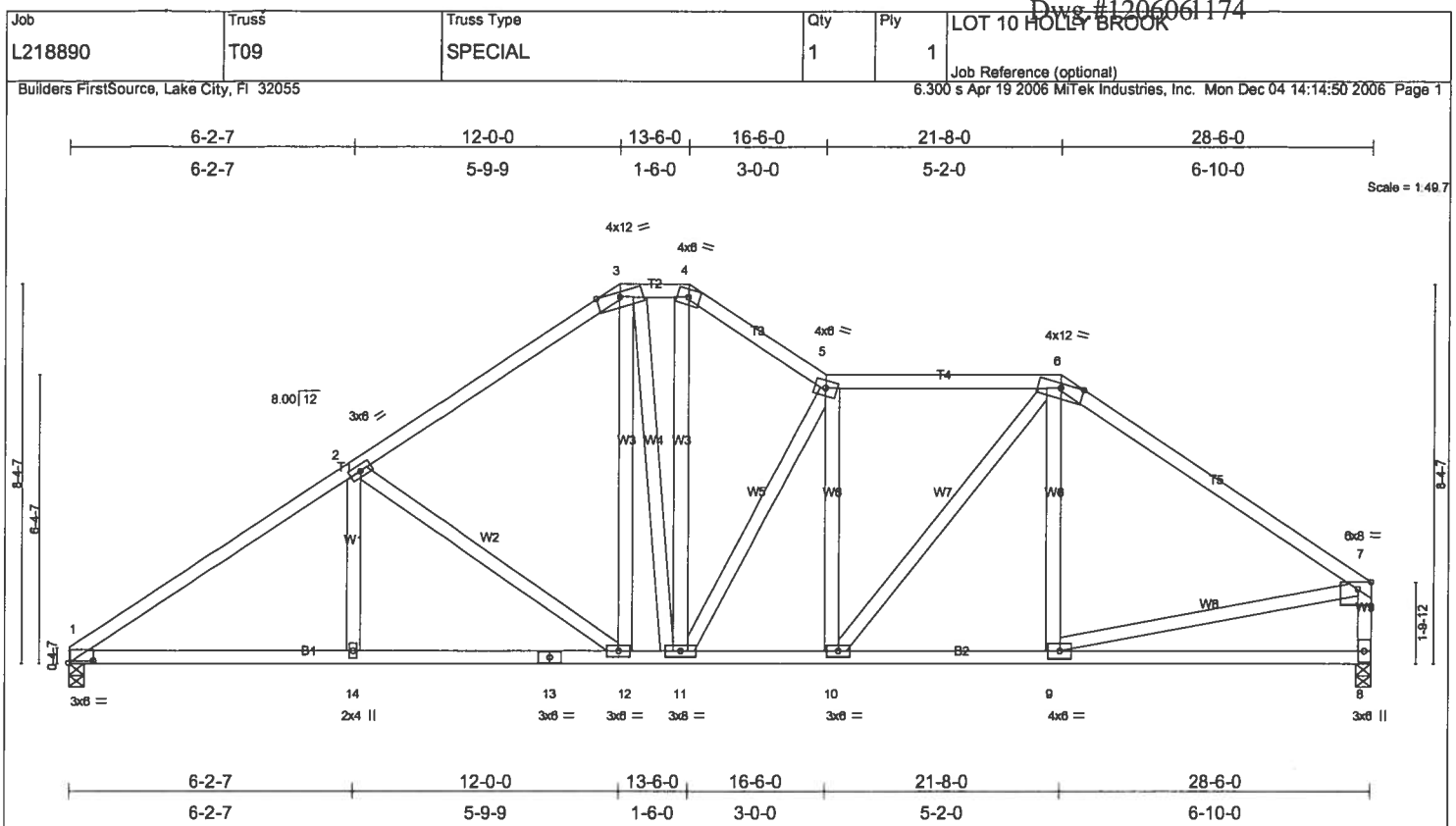


Plate Offsets (X,Y): [1:0-6-7,0-0-10], [7:0-3-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	Vert(LL)	-0.09	12-14	>999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.46	Vert(TL)	-0.14	12-14	>999		
BCLL 10.0	Lumber Increase 1.25	WB 0.57	Horz(TL)	0.05	8	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TP12002							
							Weight: 193 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-15 oc bracing.

REACTIONS

(lb/size) 1=1184/0-4-0, 8=1184/0-4-0
Max Horz 1=273(load case 4)
Max Uplift 1=-363(load case 5), 8=-389(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1801/533, 2-3=-1322/483, 3-4=-1038/463, 4-5=-1281/504, 5-6=-1346/524, 6-7=-1356/456, 7-8=-1075/404
BOT CHORD 1-14=-501/1414, 13-14=-501/1414, 12-13=-501/1414, 11-12=-267/1026, 10-11=-334/1352, 9-10=-260/1043, 8-9=-124/203
WEBS 2-14=0/220, 2-12=-491/316, 3-12=-127/396, 3-11=-181/209, 4-11=-274/597, 5-11=-706/347, 5-10=-256/170, 6-10=-184/475, 6-9=-13/95, 7-9=-261/863

JOINT STRESS INDEX

1 = 0.77, 2 = 0.43, 3 = 0.60, 4 = 0.32, 5 = 0.57, 6 = 0.94, 7 = 0.50, 8 = 0.45, 9 = 0.40, 10 = 0.40, 11 = 0.61, 12 = 0.35, 13 = 0.54 and 14 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 363 lb uplift at joint 1 and 389 lb uplift at joint 8.

LOAD CASE(S) Standard

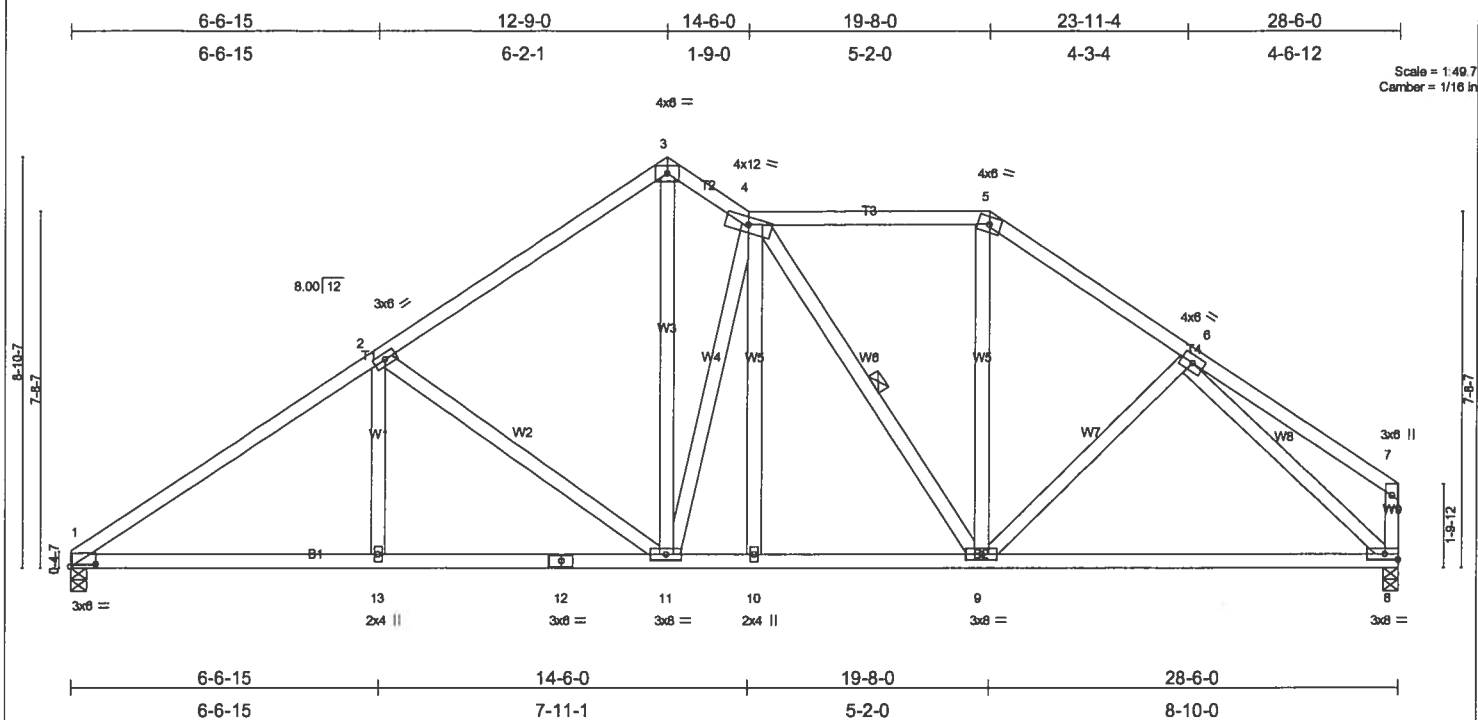


Plate Offsets (X,Y): [1:0-6-7,0-0-10]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.66	Vert(LL)	-0.12	8-9	>999	240	MT20 244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.48	Vert(TL)	-0.21	8-9	>999	180	
BCLL 10.0	Rep Stress Incr	YES	WB 0.74	Horz(TL)	0.05	8	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 186 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-4-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-6-2 oc bracing.
 WEBS 1 Row at midpt 4-9

REACTIONS (lb/size) 1=1184/0-4-0, 8=1184/0-4-0
 Max Horz 1=291(load case 4)
 Max Uplift 1=367(load case 5), 8=392(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1785/534, 2-3=-1286/495, 3-4=-1169/505, 4-5=-1007/470, 5-6=-1258/491, 6-7=-308/120, 7-8=-261/139
 BOT CHORD 1-13=-502/1398, 12-13=-502/1398, 11-12=-502/1398, 10-11=-275/1130, 9-10=-275/1131, 8-9=-296/954
 WEBS 2-13=0/230, 2-11=-513/331, 3-11=-415/1042, 4-10=0/32, 4-9=-228/158, 5-9=-100/373, 6-9=-117/134, 6-8=-1091/386, 4-11=-647/343

JOINT STRESS INDEX
 1 = 0.76, 2 = 0.43, 3 = 0.55, 4 = 0.51, 5 = 0.49, 6 = 0.31, 7 = 0.37, 8 = 0.66, 9 = 0.59, 10 = 0.34, 11 = 0.69, 12 = 0.55 and 13 = 0.34

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 367 lb uplift at joint 1 and 392 lb uplift at joint 8.

LOAD CASE(S) Standard

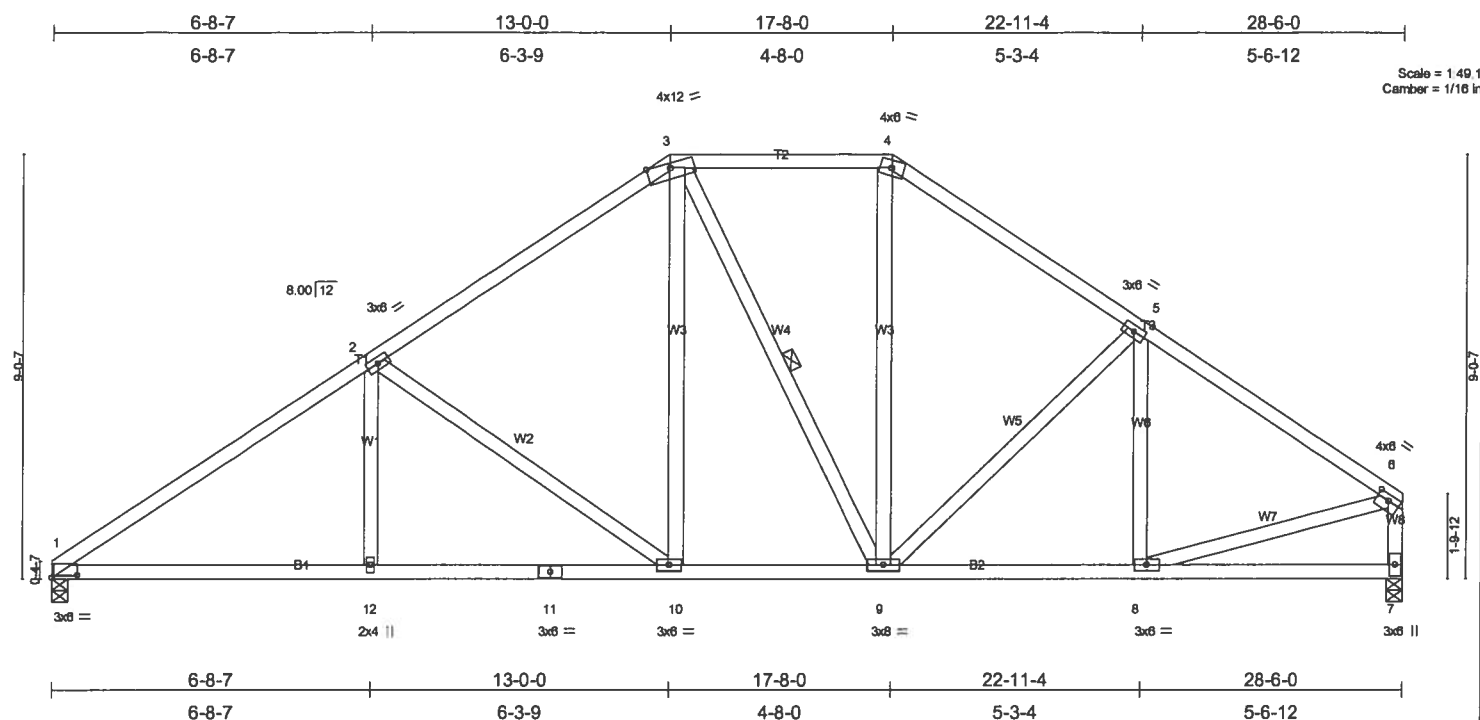


Plate Offsets (X,Y): [1:0-6-7,0-0-10], [6:0-3-0,0-1-8]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/defl L/d
TCLL 20.0	Plates Increase	1.25	TC 0.44	Vert(LL) -0.10	1-12 >999 240
TCDL 7.0	Lumber Increase	1.25	BC 0.50	Vert(TL) -0.16	1-12 >999 180
BCLL 10.0	Rep Stress Incr	YES	WB 0.57	Horz(TL) 0.05	7 n/a n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)		
					Weight: 177 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-6 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-5-13 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 3-9

REACTIONS (lb/size) 1=1184/0-4-0, 7=1184/0-4-0
 Max Horz 1=297(load case 4)
 Max Uplift 1=368(load case 5), 7=354(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1782/535, 2-3=-1262/451, 3-4=-922/428, 4-5=-1183/436, 5-6=-1322/404, 6-7=-1099/364
 BOT CHORD 1-12=-504/1395, 11-12=-504/1395, 10-11=-504/1395, 9-10=-260/971, 8-9=-249/1033, 7-8=-73/130
 WEBS 2-12=0/238, 2-10=-528/345, 3-10=-158/453, 3-9=-213/176, 4-9=-140/354, 5-9=-190/207, 5-8=-106/100, 6-8=-211/941

JOINT STRESS INDEX
 1 = 0.76, 2 = 0.43, 3 = 0.72, 4 = 0.43, 5 = 0.43, 6 = 0.80, 7 = 0.31, 8 = 0.53, 9 = 0.62, 10 = 0.35, 11 = 0.58 and 12 = 0.34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Provide adequate drainage to prevent water ponding.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 368 lb uplift at joint 1 and 354 lb uplift at joint 7.

LOAD CASE(S) Standard

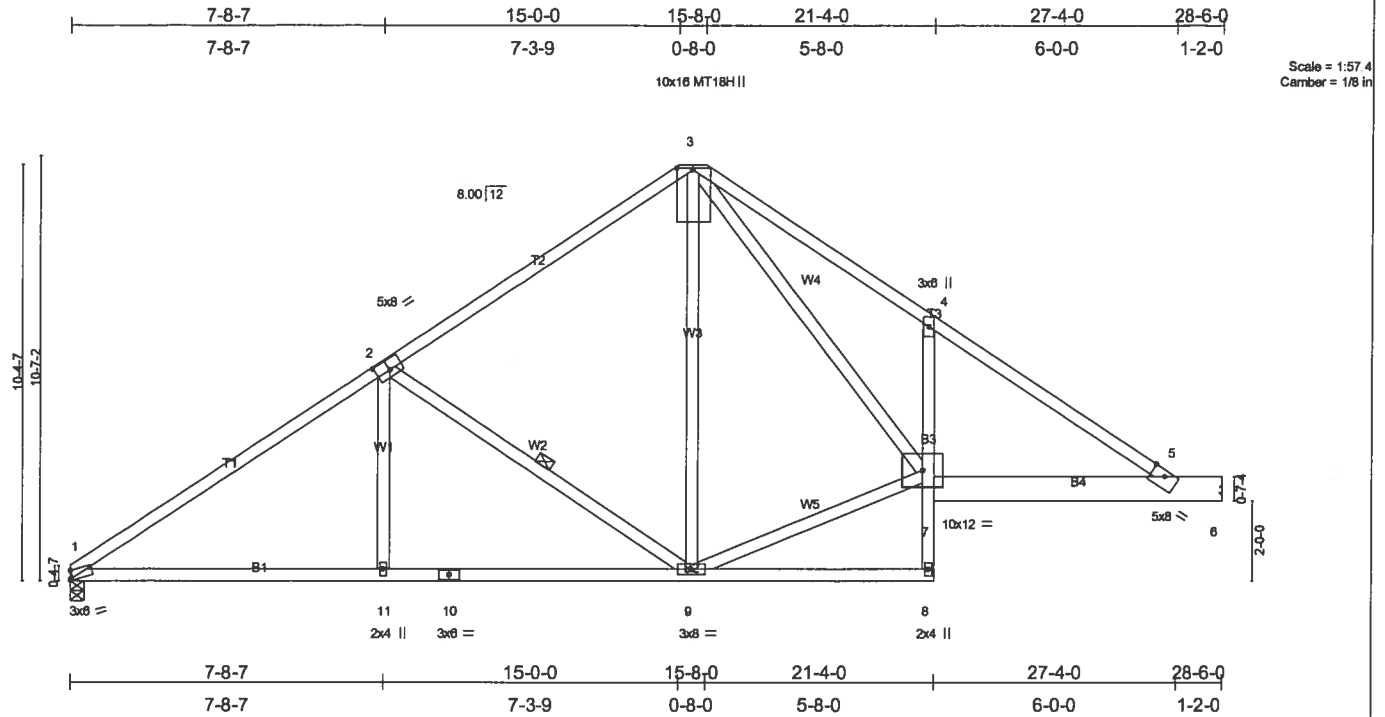


Plate Offsets (X,Y): [1:Edge,0-2-10], [2:0-4-0,0-3-0], [3:0-0-8,0-4-12]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.43	Vert(LL) -0.17	1-11	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.59	Vert(TL) -0.27	1-11	>999	180		MT18H	244/190
BCLL 10.0	Rep Stress Incr YES	WB 0.89	Horz(TL) 0.07	6	n/a	n/a			
BCDL 5.0	Code FBC2004/TP12002	(Matrix)							
								Weight: 170 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 "Except"
 B3 2 X 4 SYP No.3, B4 2 X 8 SYP 2400F 2.0E
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-0-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-1-7 oc bracing.
 WEBS 1 Row at midpt 2-9

REACTIONS (lb/size) 1=1183/0-4-0, 6=1163/Mechanical
 Max Horz 1=348(load case 4)
 Max Uplift 1=-375(load case 5), 6=-327(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1742/532, 2-3=-1128/455, 3-4=-2073/836, 4-5=-2155/660
 BOT CHORD 1-11=-526/1354, 10-11=-527/1351, 9-10=-527/1351, 8-9=-4/39, 7-8=0/79, 4-7=-302/332, 5-7=-472/1729, 5-6=0/0
 WEBS 2-11=0/274, 2-9=-635/407, 7-9=-204/870, 3-7=-551/1363, 3-9=-99/295

JOINT STRESS INDEX
 1 = 0.92, 2 = 0.66, 3 = 0.90, 4 = 0.28, 5 = 0.45, 7 = 0.63, 8 = 0.75, 9 = 0.81, 10 = 0.50 and 11 = 0.34

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) All plates are MT20 plates unless otherwise indicated.
 4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 3.
 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 6) Refer to girder(s) for truss to truss connections.
 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 375 lb uplift at joint 1 and 327 lb uplift at joint 6.

LOAD CASE(S) Standard

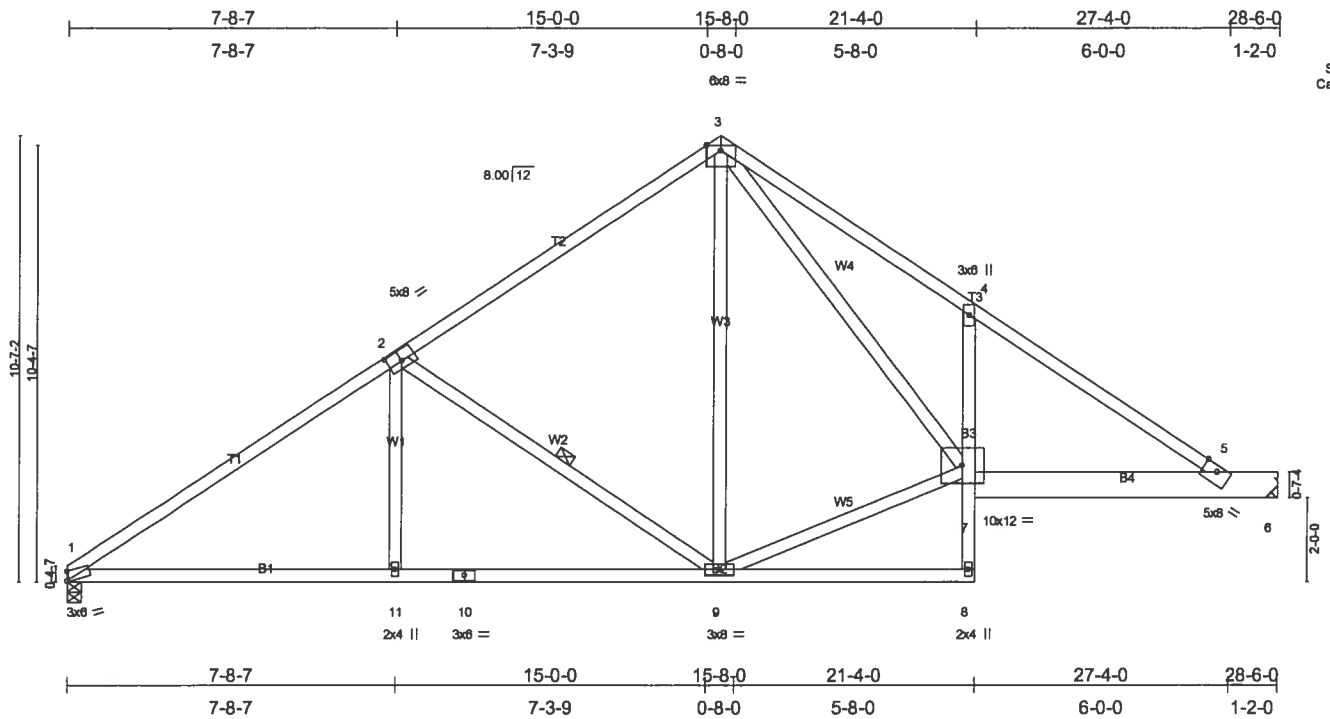


Plate Offsets (X,Y): [1:Edge,0-2-10], [2:0-4-0,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.43	Vert(LL)	-0.17	1-11	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.59	Vert(TL)	-0.27	1-11	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.89	Horz(TL)	0.07	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
									Weight: 170 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 B3 2 X 4 SYP No.3, B4 2 X 8 SYP 2400F 2.0E
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-1-7 oc bracing.
 WEBS 1 Row at midpt 2-9

REACTIONS

(lb/size) 1=1183/0-4-0, 6=1163/Mechanical
 Max Horz 1=348(load case 4)
 Max Uplift 1=375(load case 5), 6=327(load case 6)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1742/532, 2-3=-1128/455, 3-4=-2073/836, 4-5=-2155/660
 BOT CHORD 1-11=-526/1354, 10-11=-527/1351, 9-10=-527/1351, 8-9=-4/39, 7-8=0/79, 4-7=-302/332, 5-7=-472/1729, 5-6=0/0
 WEBS 2-11=0/274, 2-9=-635/407, 7-9=-204/870, 3-7=-551/1363, 3-9=-99/295

JOINT STRESS INDEX

1 = 0.92, 2 = 0.66, 3 = 0.71, 4 = 0.28, 5 = 0.45, 7 = 0.63, 8 = 0.75, 9 = 0.81, 10 = 0.50 and 11 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 375 lb uplift at joint 1 and 327 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L218890	Truss T14	Truss Type MONO HIP	Qty 1	Ply 1	Dwg. #1206061169 LOT 10 HOLLY BROOK Job Reference (optional)
----------------	--------------	------------------------	----------	----------	--

Builders FirstSource, Lake City, FL 32055

6:300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:30:30 2006 Page 1

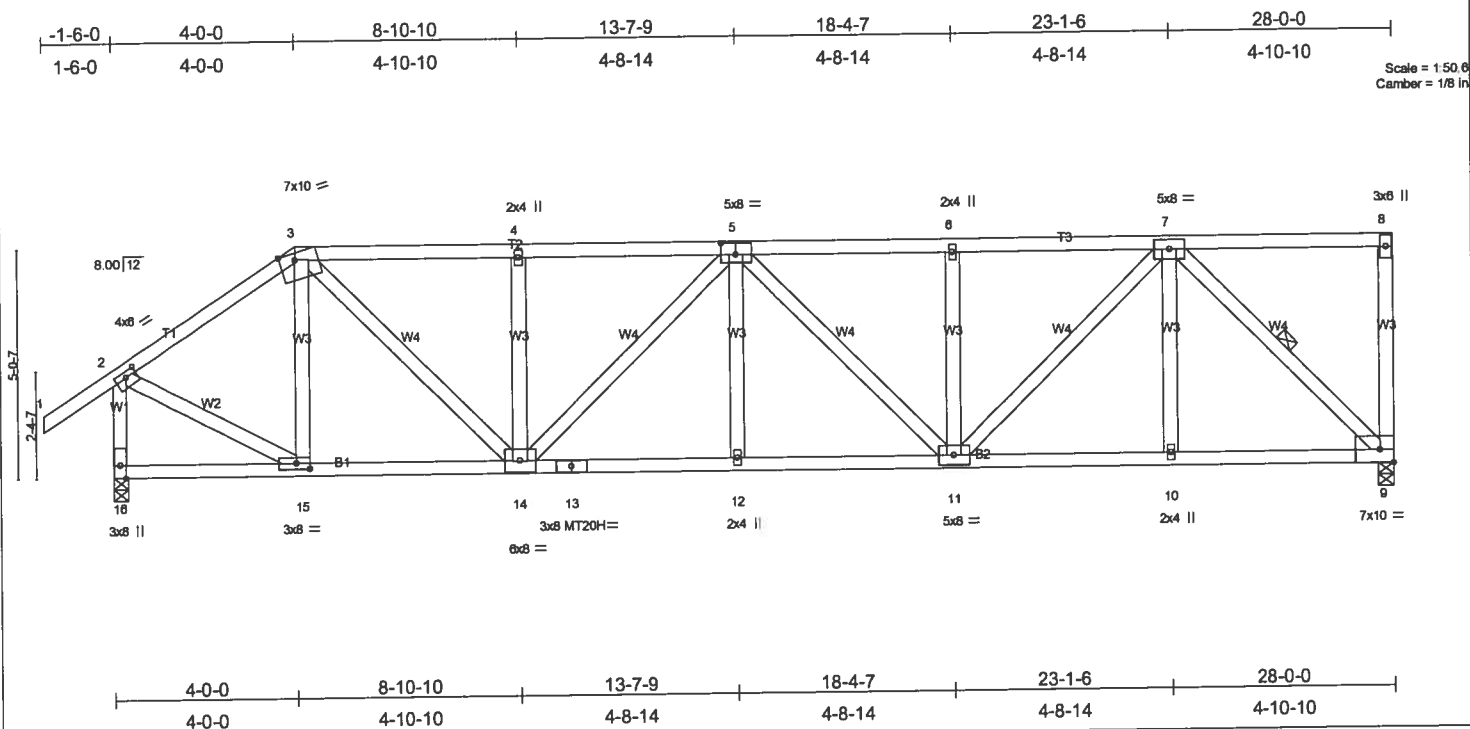


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [3:0-4-0,Edge], [5:0-4-0,0-3-0], [15:0-3-8,0-1-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.66	Vert(LL) 0.21 12 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.86	Vert(TL) -0.32 11-12 >999 180	MT20H	187/143
BCLL 10.0	Rep Stress Incr NO	WB 0.94	Horz(TL) 0.11 9 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 183 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-2-6 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-1-1 oc bracing.
WEBS	1 Row at midpt 7-9

REACTIONS

(lb/size) 9=2531/0-4-0, 16=2625/0-4-0
Max Horz 16=480(load case 4)
Max Uplift 9=-1607(load case 2), 16=-1388(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=2347/1357, 3-4=3253/2102, 4-5=3252/2103, 5-6=3389/2160, 6-7=3389/2160, 7-8=54/34, 8-9=260/274, 2-16=2500/1403
BOT CHORD 15-16=497/67, 14-15=1262/1832, 13-14=2404/3753, 12-13=2404/3753, 11-12=2404/3753, 10-11=1379/2167, 9-10=1379/2167
WEBS 3-15=669/591, 3-14=1232/1977, 4-14=562/619, 5-14=708/427, 5-12=0/307, 5-11=514/357, 6-11=548/595, 7-11=1105/1729, 7-10=0/309, 7-9=2990/1903, 2-15=1106/2027

JOINT STRESS INDEX

NT STRESS INDEX
2 = 0.83, 3 = 0.63, 4 = 0.36, 5 = 0.61, 6 = 0.34, 7 = 0.82, 8 = 0.42, 9 = 0.50, 10 = 0.34, 11 = 0.82, 12 = 0.34, 13 = 0.90, 14 = 0.73, 15 = 0.85 and 16 = 0.49

NOTES

- NOTES**
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1607 lb uplift at joint 9 and 1388 lb uplift at joint 16.
 - 6) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
 - 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=54, 2-3=118(F=64), 3-8=118(F=64), 9-16=65(F=35)

Job L218890	Truss T15	Truss Type MONO HIP	Qty 1	Ply 1	LOT 10 HOLLY BROOK	Draw #1206061168
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)			6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:30:51 2006 Page 1

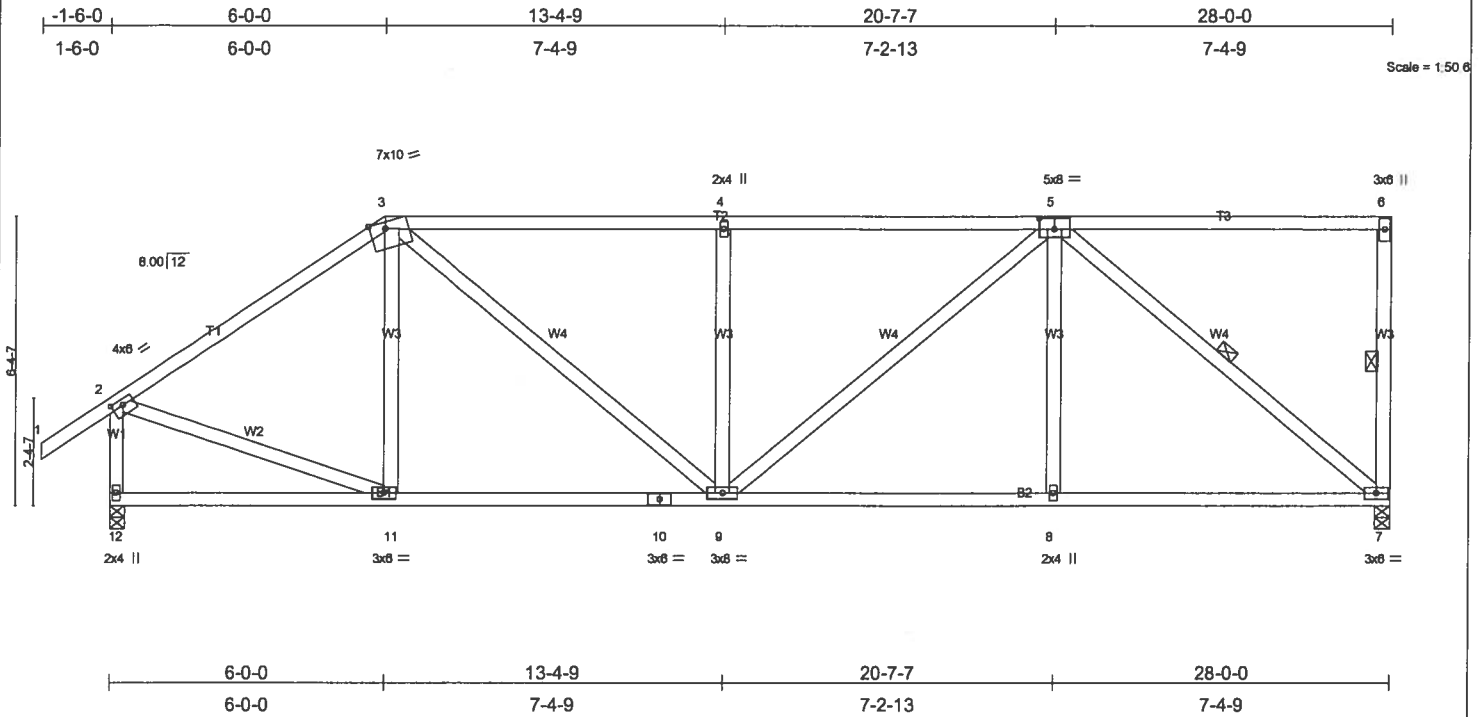


Plate Offsets (X,Y): [2:0-3:0,0-1-8], [3:0-4:0,Edge], [5:0-4:0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/def	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.55	Vert(LL)	-0.09	9-11	>999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.36	Vert(TL)	-0.15	9-11	>999		
BCLL 10.0	Lumber Increase 1.25	WB 0.58	Horz(TL)	0.04	7	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 175 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-7 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 9-1-12 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 6-7, 5-7

REACTIONS (lb/size) 7=1161/0-4-0, 12=1255/0-4-0
Max Horz 12=302(load case 5)
Max Uplift 7=513(load case 3), 12=381(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1205/396, 3-4=-1377/567, 4-5=-1377/567, 5-6=-42/20, 6-7=-181/151, 2-12=-1172/420
BOT CHORD 11-12=-296/72, 10-11=-373/932, 9-10=-373/932, 8-9=-468/1083, 7-8=-468/1083
WEBS 3-11=-110/171, 3-9=-359/576, 4-9=-394/354, 5-9=-157/384, 5-8=0/220, 5-7=-1359/585, 2-11=-389/929

JOINT STRESS INDEX
2 = 0.79, 3 = 0.60, 4 = 0.34, 5 = 0.45, 6 = 0.43, 7 = 0.56, 8 = 0.34, 9 = 0.57, 10 = 0.31, 11 = 0.52 and 12 = 0.83

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 513 lb uplift at joint 7 and 381 lb uplift at joint 12.

LOAD CASE(S) Standard

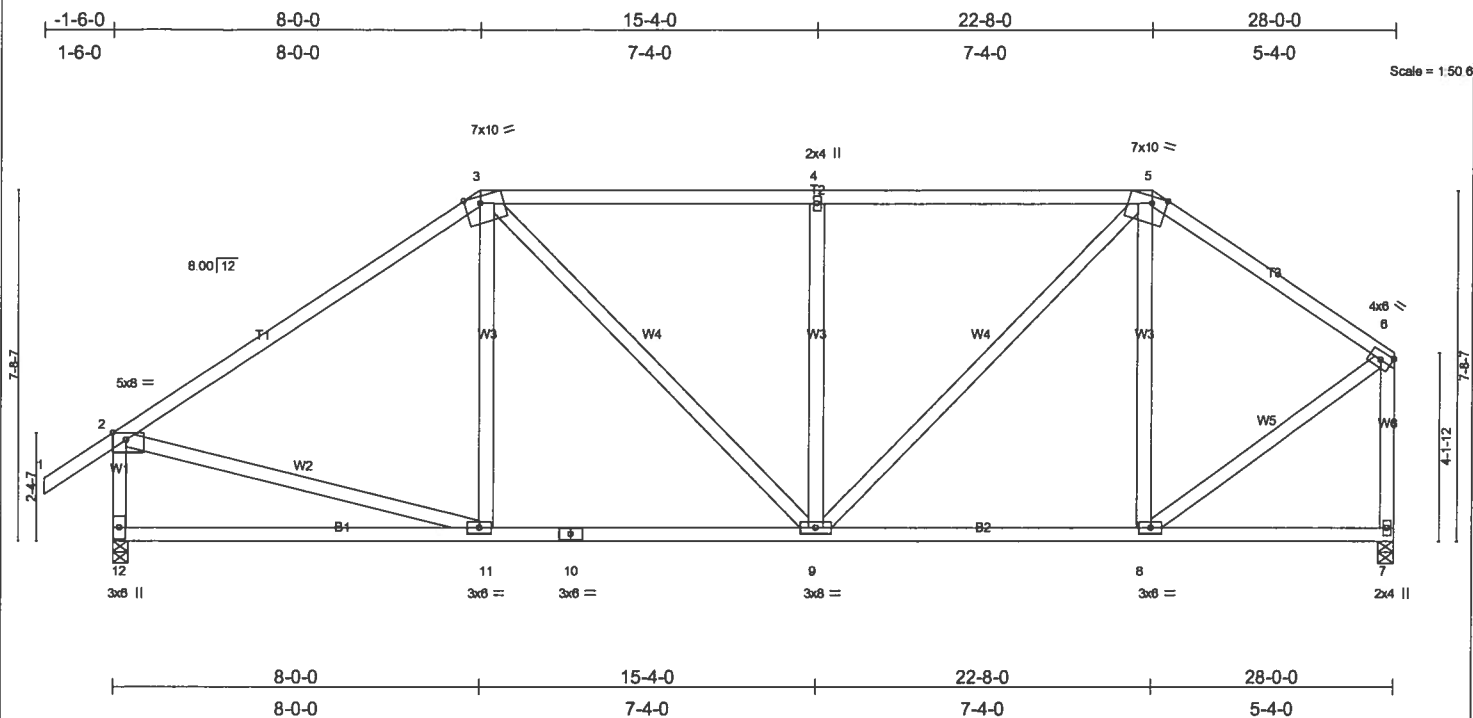


Plate Offsets (X,Y): [2:0-3-8,Edge], [3:0-4-0,Edge], [5:0-4-0,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.73	Vert(LL)	-0.08 11-12	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.35	Vert(TL)	-0.13 11-12	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.66	Horz(TL)	0.02 7	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 181 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-2-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-6-9 oc bracing.

REACTIONS (lb/size) 12=1255/0-4-0, 7=1161/0-4-0
 Max Horz 12=262(load case 4)
 Max Uplift 12=410(load case 5), 7=351(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-1242/427, 3-4=-1122/484, 4-5=-1122/484, 5-6=-919/318, 2-12=-1133/432, 6-7=-1092/361
 BOT CHORD 11-12=-305/205, 10-11=-436/935, 9-10=-436/935, 8-9=-247/705, 7-8=-24/29
 WEBS 3-11=0/138, 3-9=-283/353, 4-9=-420/378, 5-9=-354/630, 5-8=-306/236, 2-11=-360/801, 6-8=-336/848

JOINT STRESS INDEX
 2 = 0.75, 3 = 0.77, 4 = 0.34, 5 = 0.58, 6 = 0.77, 7 = 0.60, 8 = 0.50, 9 = 0.63, 10 = 0.33, 11 = 0.45 and 12 = 0.52

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 410 lb uplift at joint 12 and 351 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L218890	Truss T17	Truss Type HIP	Qty 1	Ply 1	LOT 10 HOLLY BROOK Dwg #1206061166
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:31:40 2006 Page 1		

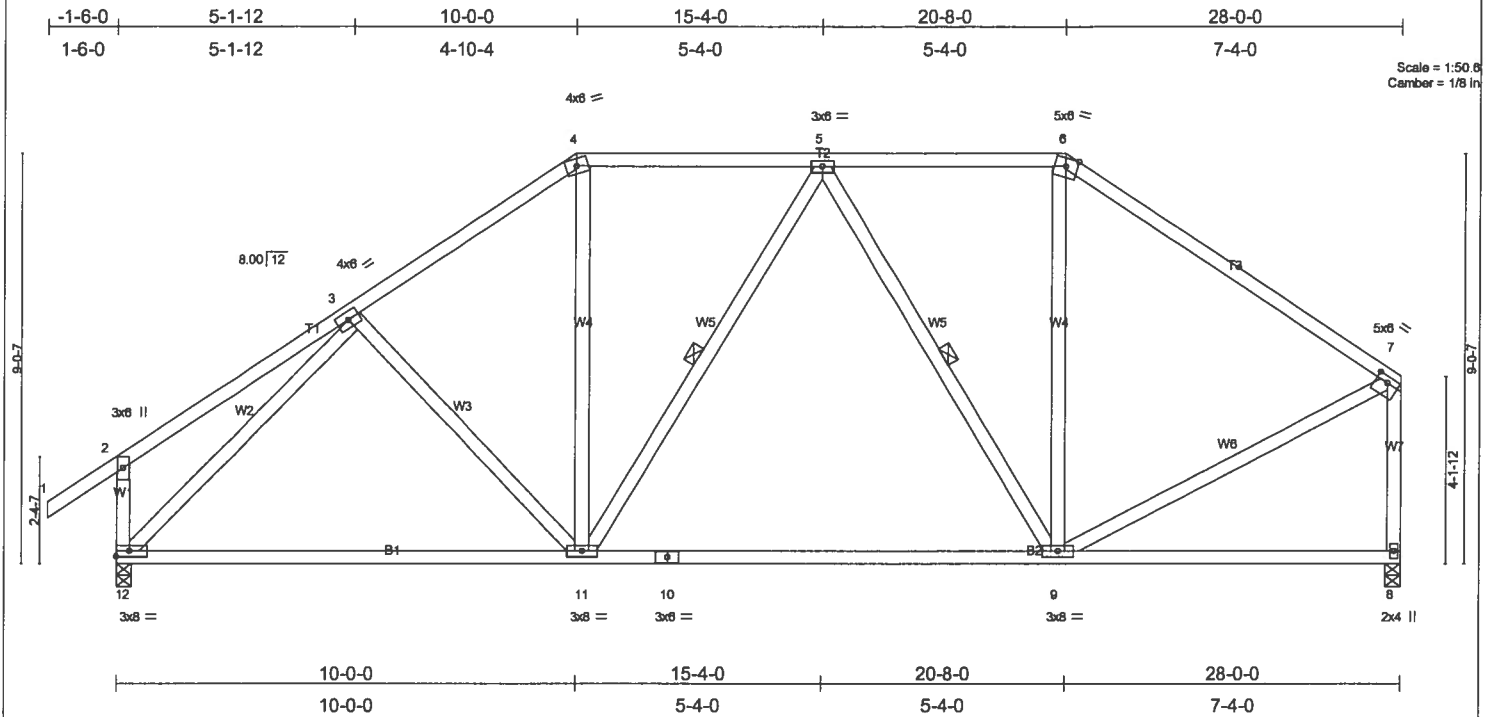


Plate Offsets (X,Y): [7:0-3:0,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.73	Vert(LL)	-0.18	9-11	>999	240	
TCDL 7.0	Plates Increase 1.25	BC 0.52	Vert(TL)	-0.32	9-11	>999	180	
BCLL 10.0	Lumber Increase 1.25	WB 0.89	Horz(TL)	0.03	8	n/a	n/a	
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 187 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-2 oc bracing.
WEBS 1 Row at midpt 5-11, 5-9

REACTIONS (lb/size) 12=1039/0-4-0, 8=894/0-4-0
Max Horz 12=259(load case 4)
Max Uplift 12=385(load case 5), 8=284(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-169/137, 3-4=-1039/365, 4-5=-814/370, 5-6=-649/312, 6-7=-799/277, 2-12=-191/236, 7-8=-804/296
BOT CHORD 11-12=-407/732, 10-11=-370/817, 9-10=-370/817, 8-9=-44/33
WEBS 3-11=-156/169, 4-11=-37/284, 5-11=-81/225, 5-9=-331/319, 6-9=-94/236, 3-12=-953/243, 7-9=-271/698

JOINT STRESS INDEX
2 = 0.40, 3 = 0.28, 4 = 0.47, 5 = 0.44, 6 = 0.69, 7 = 0.87, 8 = 0.75, 9 = 0.66, 10 = 0.34, 11 = 0.60 and 12 = 0.64

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 385 lb uplift at joint 12 and 284 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 10 HOLLS BROOK
TEMP	T18	SPECIAL	1	1	
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		
			6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 14:33:00 2006 Page 1		

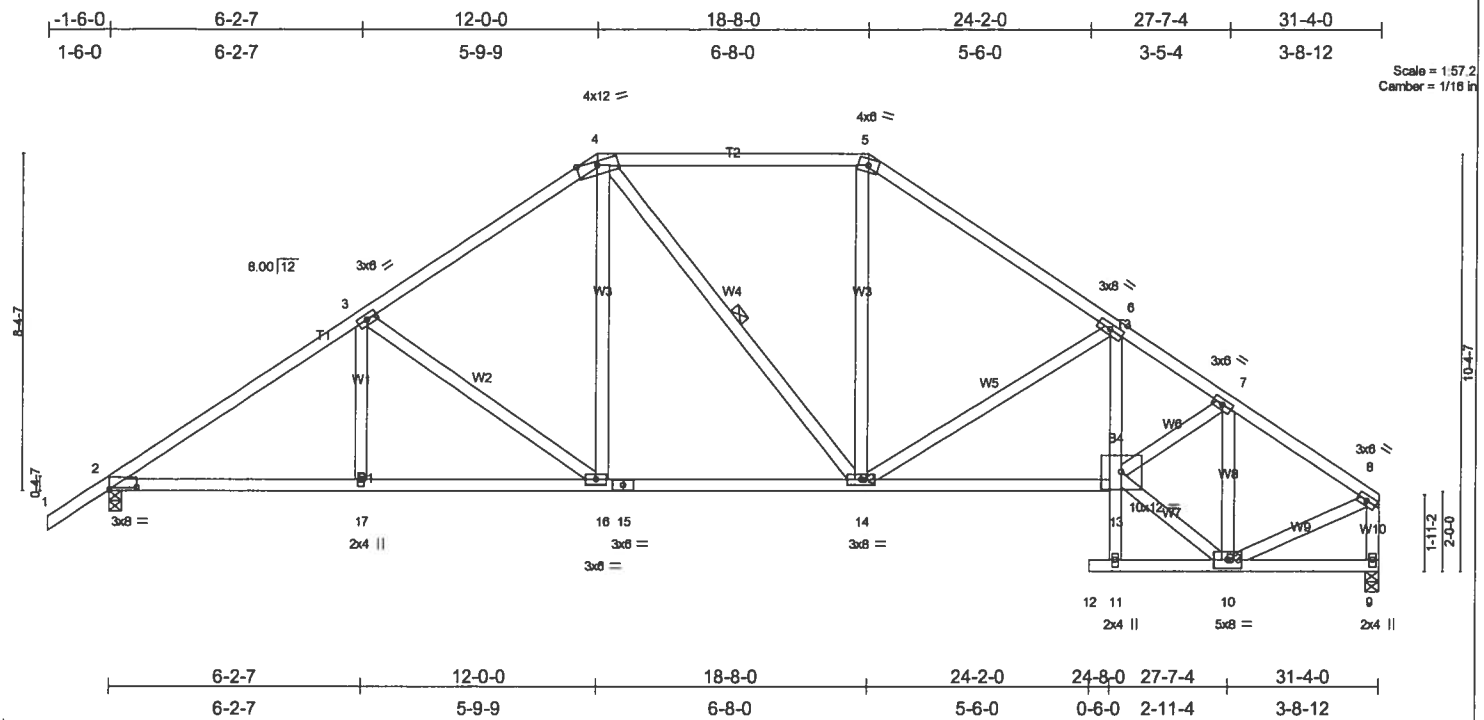


Plate Offsets (X,Y): [2-0-8-3-0-0-14]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.29	in (loc) l/defl L/d	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.47	Vert(LL) -0.12 13-14 >999 240	GRIP
BCLL 10.0	Rep Stress Incr	YES	WB 0.70	Vert(TL) -0.20 13-14 >999 180	244/190
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)	Horz(TL) 0.12 9 n/a n/a	
Weight: 200 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD
B4 2 X 4 SYP No.3	WEBS
WEBS 2 X 4 SYP No.3	Structural wood sheathing directly applied or 4-2-1 oc purlins, except end verticals.
	Rigid ceiling directly applied or 9-1-12 oc bracing.
	1 Row at midpt 4-14

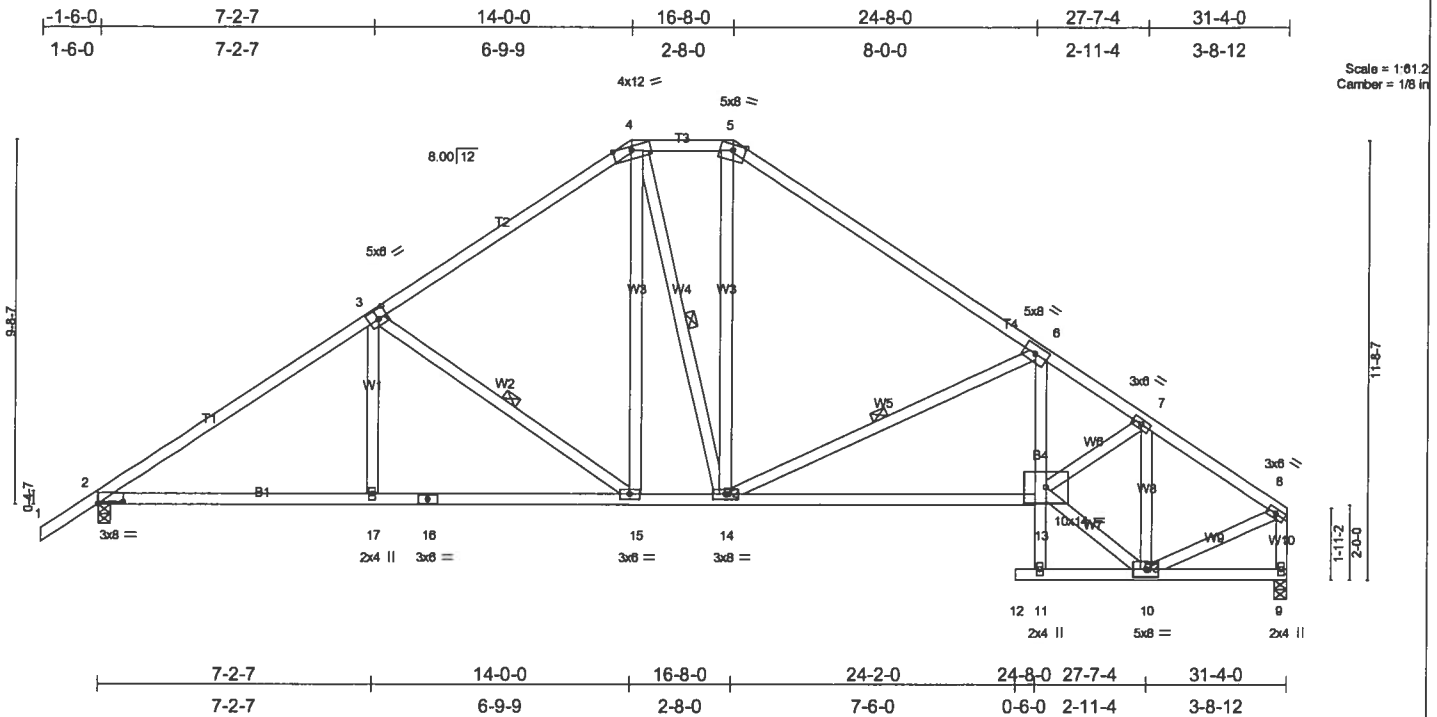
REACTIONS (lb/size) 2=1399/0-4-0, 9=1316/0-4-0
Max Horz 2=303(load case 4)
Max Uplift 2=490(load case 5), 9=396(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1992/558, 3-4=-1540/500, 4-5=-1253/508, 5-6=-1582/512, 6-7=-2224/673, 7-8=-1297/401, 8-9=-1249/398
BOT CHORD 2-17=-462/1566, 16-17=-462/1566, 15-16=-336/1216, 14-15=-336/1216, 13-14=-437/1862, 11-13=0/70, 6-13=-102/525, 11-12=0/0, 10-11=-25/22, 9-10=-41/76
WEBS 3-17=0/201, 3-16=-438/289, 4-16=-128/430, 4-14=-175/185, 5-14=-112/468, 6-14=-724/372, 10-13=-314/1295, 7-13=-180/951, 7-10=-1192/344, 8-10=-252/1053

JOINT STRESS INDEX
2 = 0.74, 3 = 0.43, 4 = 0.96, 5 = 0.75, 6 = 0.70, 7 = 0.65, 8 = 0.78, 9 = 0.68, 10 = 0.61, 11 = 0.34, 13 = 0.66, 14 = 0.57, 15 = 0.49, 16 = 0.35 and 17 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 490 lb uplift at joint 2 and 396 lb uplift at joint 9.

LOAD CASE(S) Standard



Job L218890	Truss T20	Truss Type SPECIAL	Qty 2	Ply 1	LOT 10 HOLLER BROOK
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 15:09:51 2006 Page 1		

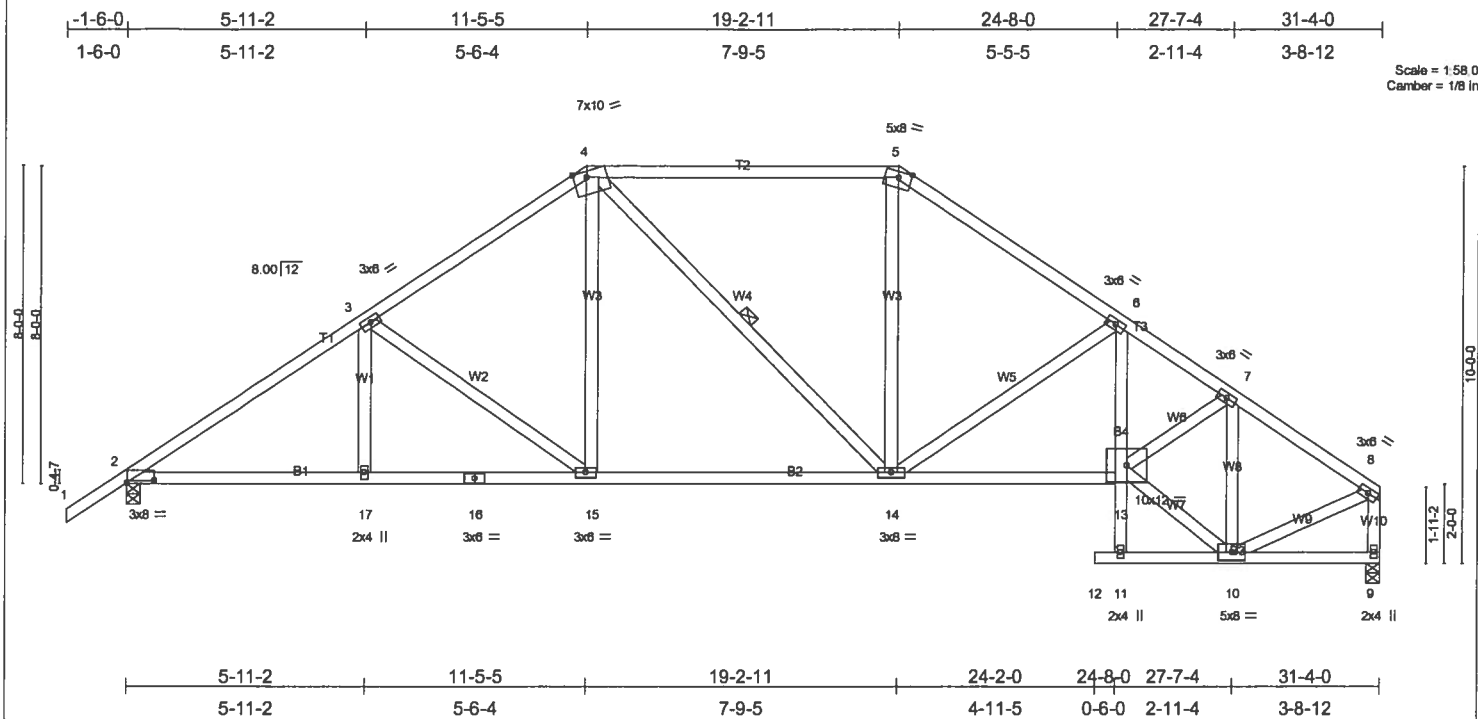


Plate Offsets (X,Y): [2:0-8-3,0-0-14], [4:0-4-0,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.48	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.49	Vert(LL) -0.14 14-15 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.55	Vert(TL) -0.24 14-15 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.12 9 n/a n/a		
Weight: 198 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-13 oc purlins, except end verticals
BOT CHORD 2 X 4 SYP No.2 *Except*	, and 2-0-0 oc purlins (5-0-14 max.); 4-5.
B4 2 X 4 SYP No.3	Rigid ceiling directly applied or 8-11-3 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-14

REACTIONS (lb/size) 2=1399/0-4-0, 9=1316/0-4-0
Max Horz 2=290(load case 4)
Max Uplift 2=-487(load case 5), 9=-392(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1995/554, 3-4=-1581/505, 4-5=-1302/509, 5-6=-1622/518, 6-7=-2218/666, 7-8=-1297/398, 8-9=-1249/395
BOT CHORD 2-17=-485/1570, 16-17=-485/1570, 15-16=-485/1570, 14-15=-376/1261, 13-14=-421/1837, 11-13=0/71, 6-13=-113/516, 11-12=0/0,
10-11=-20/28, 9-10=-40/75
WEBS 3-17=0/181, 3-15=-388/267, 4-15=-112/424, 4-14=-171/181, 5-14=-100/470, 6-14=-656/341, 10-13=-318/1288, 7-13=-176/937,
7-10=-1191/345, 8-10=-252/1056

JOINT STRESS INDEX
2 = 0.74, 3 = 0.43, 4 = 0.68, 5 = 0.75, 6 = 0.69, 7 = 0.64, 8 = 0.76, 9 = 0.68, 10 = 0.60, 11 = 0.38, 13 = 0.64, 14 = 0.57, 15 = 0.35, 16 = 0.57 and 17 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 487 lb uplift at joint 2 and 392 lb uplift at joint 9.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



TOP CHORD	Structural wood sheathing directly applied or 4-4-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-3-5 oc bracing.

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-117(F=-63), 4-6=-54, 2-8=-30, 7-8=-65(F=-35), 5-7=-30
Concentrated Loads (lb)
Vert: 8=-539(F) 7=-539(F)

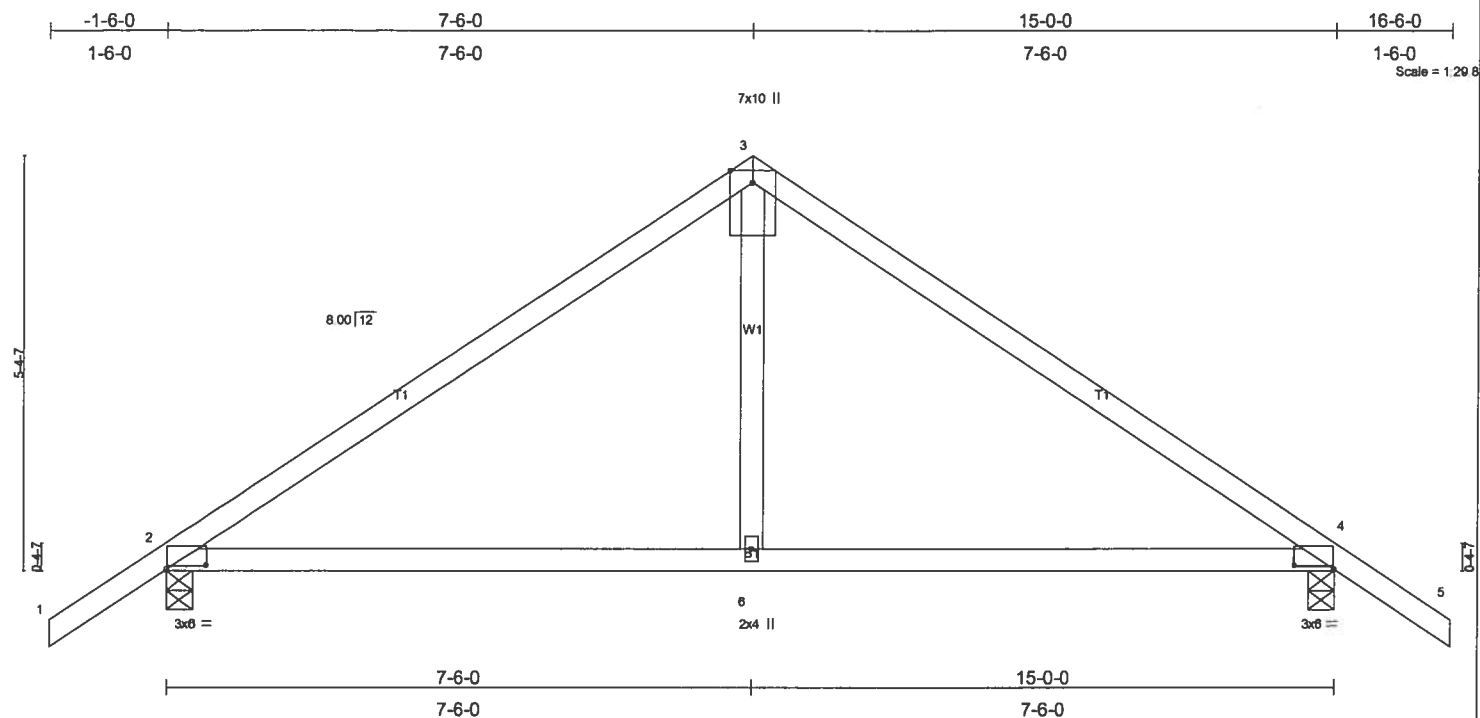


Plate Offsets (X,Y): [2:0-6-3,0-0-10], [4:0-6-3,0-0-10]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	in (loc) l/defl L/d	MT20 244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.49	Vert(LL) 0.18 2-6 >958 240	
BCLL 10.0	Rep Stress Incr	YES	WB 0.21	Vert(TL) -0.16 2-6 >999 180	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)	Horz(TL) 0.01 4 n/a n/a	
Weight: 62 lb					

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purfins. BOT CHORD Rigid ceiling directly applied or 9-6-9 oc bracing.
--	--

REACTIONS (lb/size) 2=706/0-4-0, 4=706/0-4-0
 Max Horz 2=-180(load case 3)
 Max Uplift 2=-477(load case 5), 4=-477(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/45, 2-3=-746/649, 3-4=-746/649, 4-5=0/45
 BOT CHORD 2-6=-377/535, 4-6=-377/535
 WEBS 3-6=-465/285

JOINT STRESS INDEX
 2 = 0.69, 3 = 0.90, 4 = 0.69 and 6 = 0.21

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 477 lb uplift at joint 2 and 477 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L218890	Truss T23	Truss Type GABLE	Qty 1	Ply 1	LOT 10 HOWS BROOK 061160
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 15:12:31 2006 Page 1		

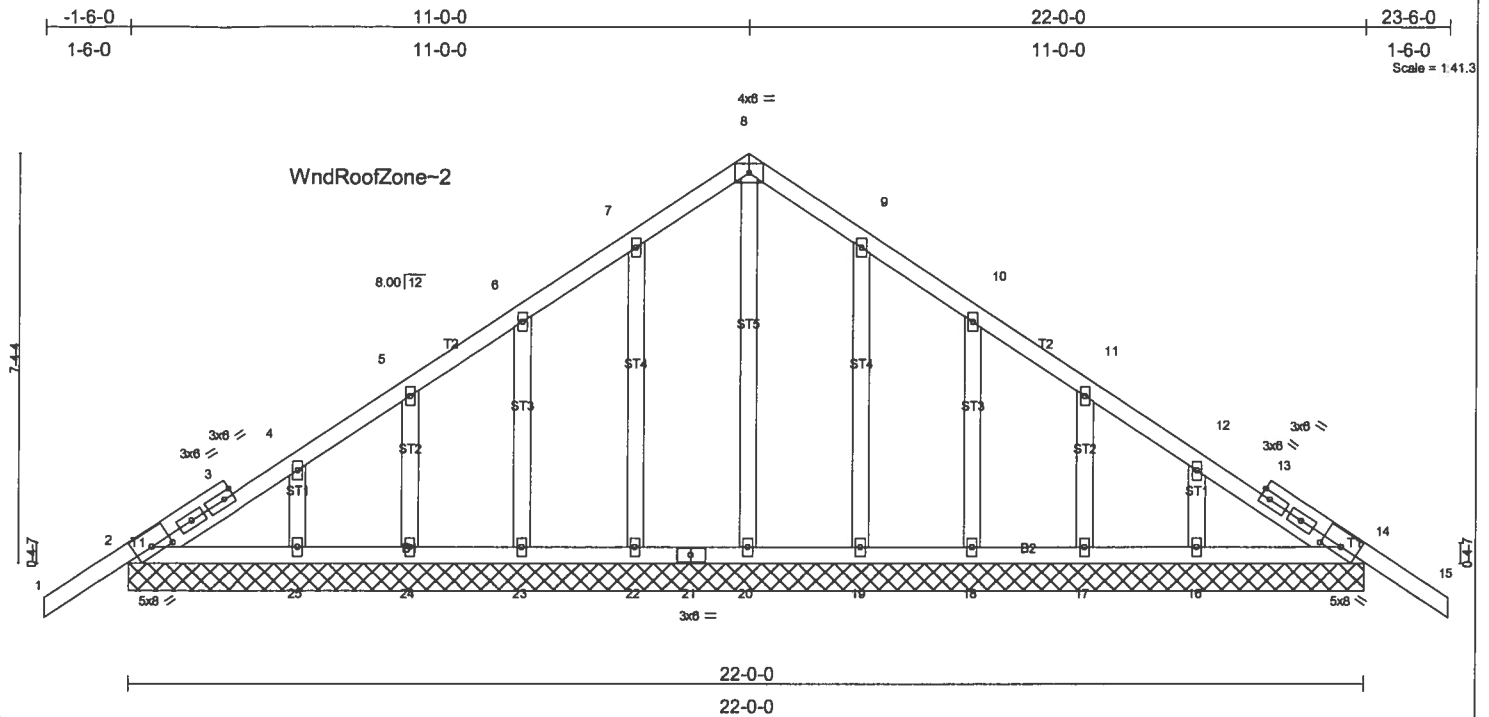


Plate Offsets (X,Y): [2:0-4-5,0-1-12], [14:0-4-5,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.22	Vert(LL)	-0.01	15	n/r	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.04	Vert(TL)	-0.01	15	n/r		
BCLL 10.0	Rep Stress Incr NO	WB 0.13	Horz(TL)	0.01	14	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						
Weight: 134 lb								

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=329/22-0-0, 14=329/22-0-0, 20=212/22-0-0, 22=233/22-0-0, 23=238/22-0-0, 24=218/22-0-0, 25=294/22-0-0, 19=233/22-0-0, 18=238/22-0-0, 17=218/22-0-0, 16=294/22-0-0
Max Horz 2=249(load case 3)
Max Uplift 2=129(load case 5), 14=153(load case 6), 22=120(load case 5), 23=132(load case 5), 24=135(load case 5), 25=108(load case 5), 19=117(load case 6), 18=133(load case 6), 17=133(load case 6), 16=114(load case 6)
Max Grav 2=329(load case 1), 14=329(load case 1), 20=212(load case 1), 22=237(load case 9), 23=238(load case 1), 24=218(load case 9), 25=294(load case 1), 19=237(load case 10), 18=238(load case 1), 17=218(load case 10), 16=294(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3/70, 2-3=190/149, 3-4=-188/152, 4-5=-145/146, 5-6=-95/140, 6-7=-70/170, 7-8=-69/212, 8-9=-69/208, 9-10=-70/146, 10-11=-68/74, 11-12=-73/51, 12-13=-100/63, 13-14=-101/60, 14-15=-3/70
BOT CHORD 2-25=-35/184, 24-25=-35/184, 23-24=-35/184, 22-23=-35/184, 21-22=-35/184, 20-21=-35/184, 19-20=-35/184, 18-19=-35/184, 17-18=-35/184, 16-17=-35/184, 14-16=-35/184
WEBS 8-20=-151/4, 7-22=-178/132, 6-23=-176/145, 5-24=-166/143, 4-25=-214/131, 9-19=-178/129, 10-18=-176/146, 11-17=-166/142, 12-16=-214/136

JOINT STRESS INDEX
2 = 0.41, 3 = 0.00, 3 = 0.21, 3 = 0.22, 4 = 0.34, 5 = 0.34, 6 = 0.34, 7 = 0.34, 8 = 0.28, 9 = 0.34, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.00, 13 = 0.22, 13 = 0.21, 14 = 0.41, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.15, 22 = 0.34, 23 = 0.34, 24 = 0.34 and 25 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 2, 153 lb uplift at joint 14, 120 lb uplift at joint 22, 132 lb uplift at joint 23, 135 lb uplift at joint 24, 108 lb uplift at joint 25, 117 lb uplift at joint 19, 133 lb uplift at joint 18, 133 lb uplift at joint 17 and 114 lb uplift at joint 16.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=-87(F=-33), 8-15=-87(F=-33), 2-14=-30

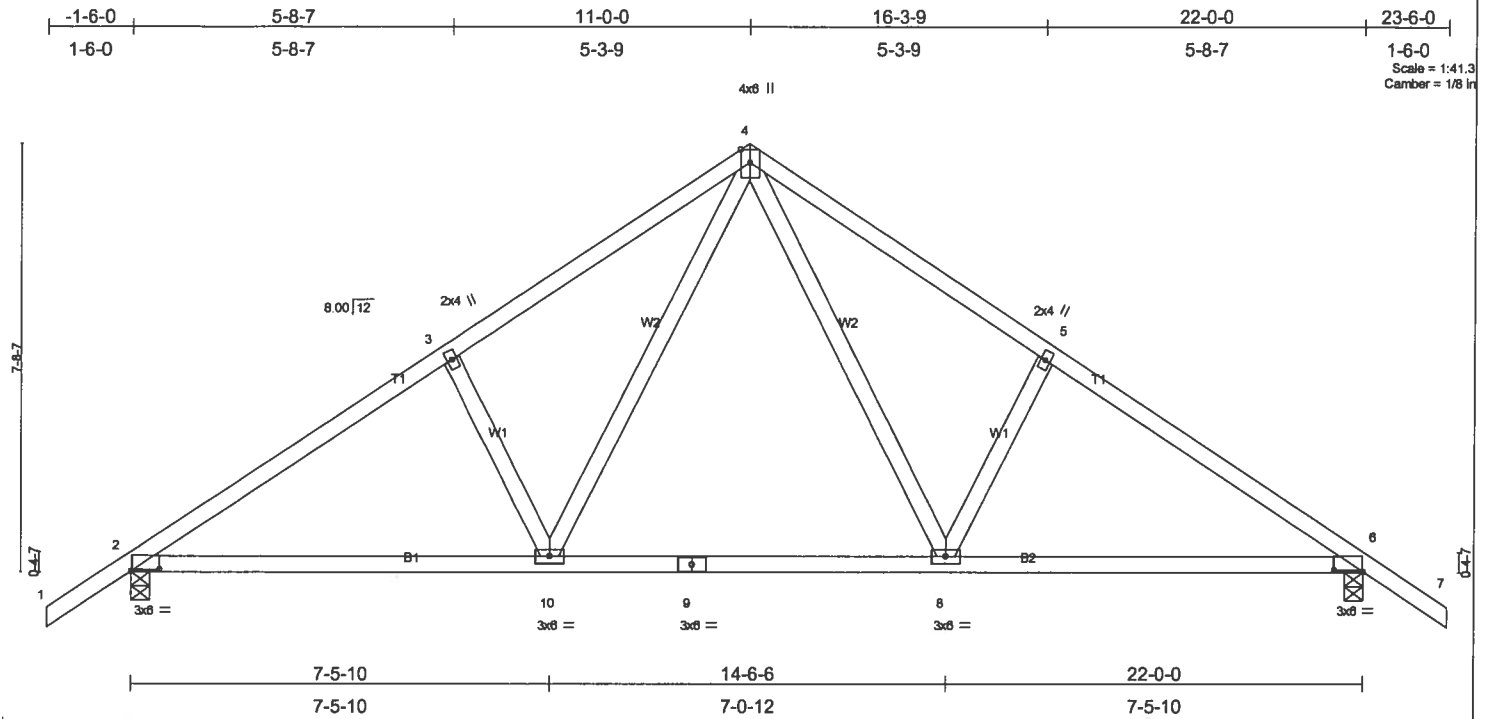


Plate Offsets (X,Y): [2-0-6-3,0-0-6], [6-0-6-3,0-0-6]					
LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl
TCLL 20.0	Plates Increase 1.25	TC 0.25	Vert(LL) -0.19	8-10	>999
TCCL 7.0	Lumber Increase 1.25	BC 0.79	Vert(TL) -0.30	8-10	>853
BCLL 10.0	Rep Stress Incr NO	WB 0.35	Horz(TL) 0.04	6	n/a
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
			L/d	240	
			Weight: 113 lb		

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-10 oc bracing.

REACTIONS (lb/size) 2=1177/0-4-0, 6=1177/0-4-0
Max Horz 2=261(load case 4)
Max Uplift 2=452(load case 5), 6=452(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1613/511, 3-4=-1477/575, 4-5=-1477/575, 5-6=-1613/511, 6-7=0/45
BOT CHORD 2-10=-399/1260, 9-10=-160/861, 8-9=-160/861, 6-8=-313/1260
WEBS 3-10=-241/259, 4-10=-294/715, 4-8=-294/715, 5-8=-241/259

JOINT STRESS INDEX
2 = 0.75, 3 = 0.34, 4 = 0.49, 5 = 0.34, 6 = 0.75, 8 = 0.60, 9 = 0.71 and 10 = 0.60

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 452 lb uplift at joint 2 and 452 lb uplift at joint 6.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

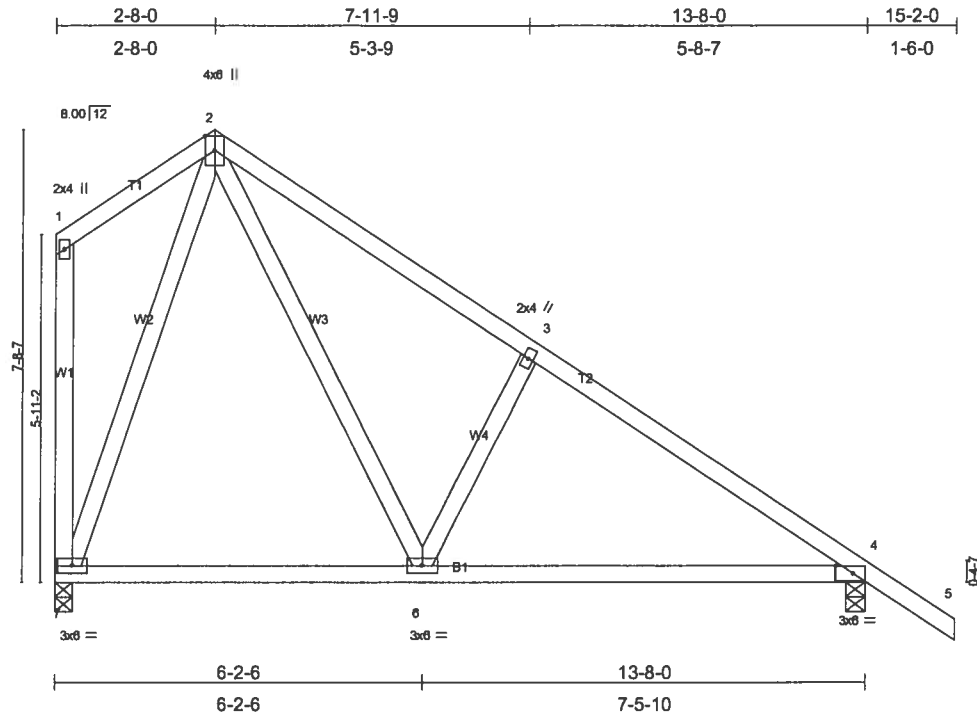


Plate Offsets (X,Y): [4:0-3-9,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Vert(LL)	-0.07	4-6	>999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.28	Vert(TL)	-0.13	4-6	>999		
BCLL 10.0	Lumber Increase 1.25	WB 0.49	Horz(TL)	0.01	4	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 85 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 4=656/0-4-0, 7=555/0-3-8
Max Horz 7=-348(load case 6)
Max Uplift 4=-242(load case 6), 7=-239(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-52/41, 2-3=-549/202, 3-4=-678/136, 4-5=0/45, 1-7=-76/52
BOT CHORD 6-7=-24/265, 4-6=-2/498
WEBS 2-6=-228/524, 3-6=-268/275, 2-7=-458/264

JOINT STRESS INDEX

1 = 0.26, 2 = 0.48, 3 = 0.16, 4 = 0.64, 6 = 0.44 and 7 = 0.36

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 242 lb uplift at joint 4 and 239 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 10 HOLLY BROOK
L218890	T26	GABLE	1	1	
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		
			6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 15:16:09 2006 Page 1		

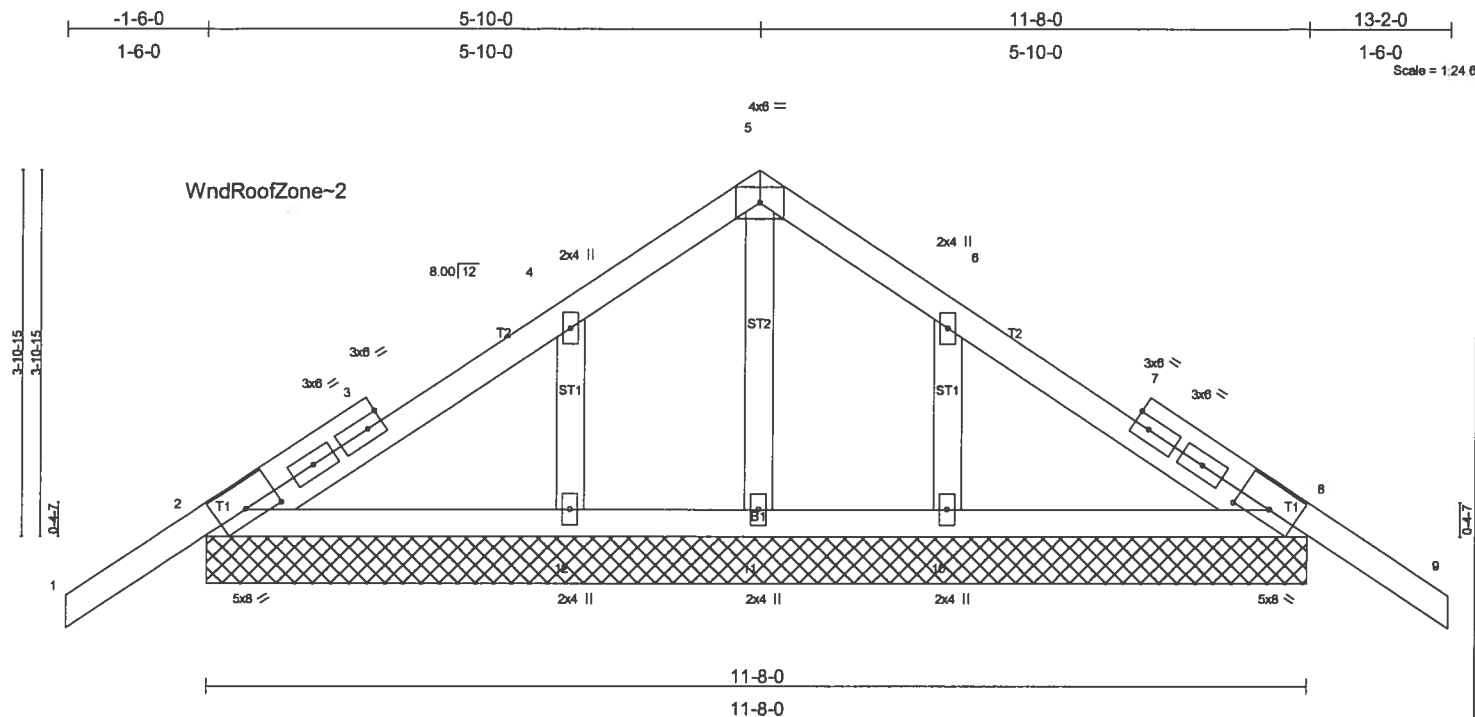


Plate Offsets (X,Y): [2:0-4-5-0-1-12], [8:0-4-5-0-1-12]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/defl L/d
TCLL 20.0	Plates Increase	1.25	TC 0.22	Vert(LL)	-0.00 9 n/r 120
TCDL 7.0	Lumber Increase	1.25	BC 0.08	Vert(TL)	-0.00 9 n/r 90
BCLL 10.0	Rep Stress Incr	NO	WB 0.05	Horz(TL)	0.00 8 n/a n/a
BCDL 5.0	Code FBC2004/TP12002		(Matrix)		
					PLATES GRIP
					MT20 244/190
					Weight: 60 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2 X 4 SYP No.3	

REACTIONS (lb/size)	2=313/11-8-0, 8=313/11-8-0, 11=204/11-8-0, 12=398/11-8-0, 10=398/11-8-0
Max Horz 2=130(load case 4)	
Max Uplift 2=167(load case 5), 8=183(load case 6), 11=12(load case 5), 12=179(load case 5), 10=182(load case 6)	
Max Grav 2=319(load case 9), 8=319(load case 10), 11=204(load case 1), 12=400(load case 9), 10=400(load case 10)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD 1-2=3/70, 2-3=80/72, 3-4=77/165, 4-5=7/105, 5-6=6/105, 6-7=42/165, 7-8=37/72, 8-9=3/70	
BOT CHORD 2-12=64/150, 11-12=64/150, 10-11=64/150, 8-10=64/150	
WEBS 5-11=187/23, 4-12=285/195, 6-10=284/197	

JOINT STRESS INDEX	
2 = 0.40, 3 = 0.00, 3 = 0.24, 3 = 0.25, 4 = 0.14, 5 = 0.06, 6 = 0.14, 7 = 0.00, 7 = 0.25, 7 = 0.24, 8 = 0.40, 10 = 0.11, 11 = 0.07 and 12 = 0.11	

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint 2, 183 lb uplift at joint 8, 12 lb uplift at joint 11, 179 lb uplift at joint 12 and 182 lb uplift at joint 10.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard	
1) Regular: Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-5=87(F=-33), 5-9=87(F=-33), 2-8=30	

Job	Truss	Truss Type	Qty	Ply	LOT 10 HOLLY BROOK
L218890	T27	COMMON	2	1	
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		
			6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Dec 04 15:16:35 2006 Page 1		

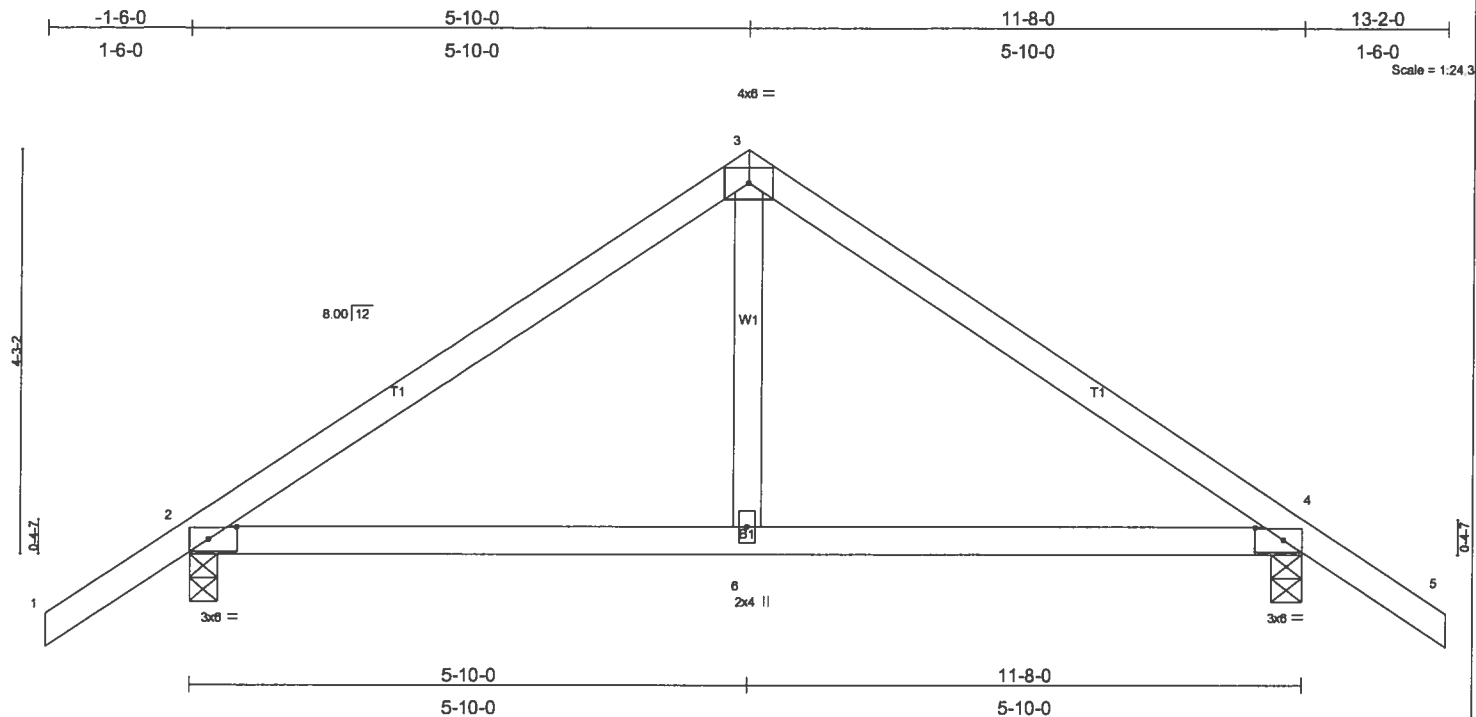


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/defl L/d
TCLL 20.0	Plates Increase	1.25	TC 0.23	Vert(LL)	-0.04 2-6 >999 240
TCDL 7.0	Lumber Increase	1.25	BC 0.28	Vert(TL)	-0.06 2-6 >999 180
BCLL 10.0	Rep Stress Incr	YES	WB 0.07	Horz(TL)	0.01 4 n/a n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)		
					Weight: 50 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=566/0-3-8, 4=567/0-4-0
Max Horz 2=142(load case 4)
Max Uplift 2=-249(load case 5), 4=-250(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-562/167, 3-4=-563/168, 4-5=0/45
BOT CHORD 2-6=-45/399, 4-6=-45/399
WEBS 3-6=0/211

JOINT STRESS INDEX
2 = 0.45, 3 = 0.50, 4 = 0.45 and 6 = 0.15

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 2 and 250 lb uplift at joint 4.

LOAD CASE(S) Standard

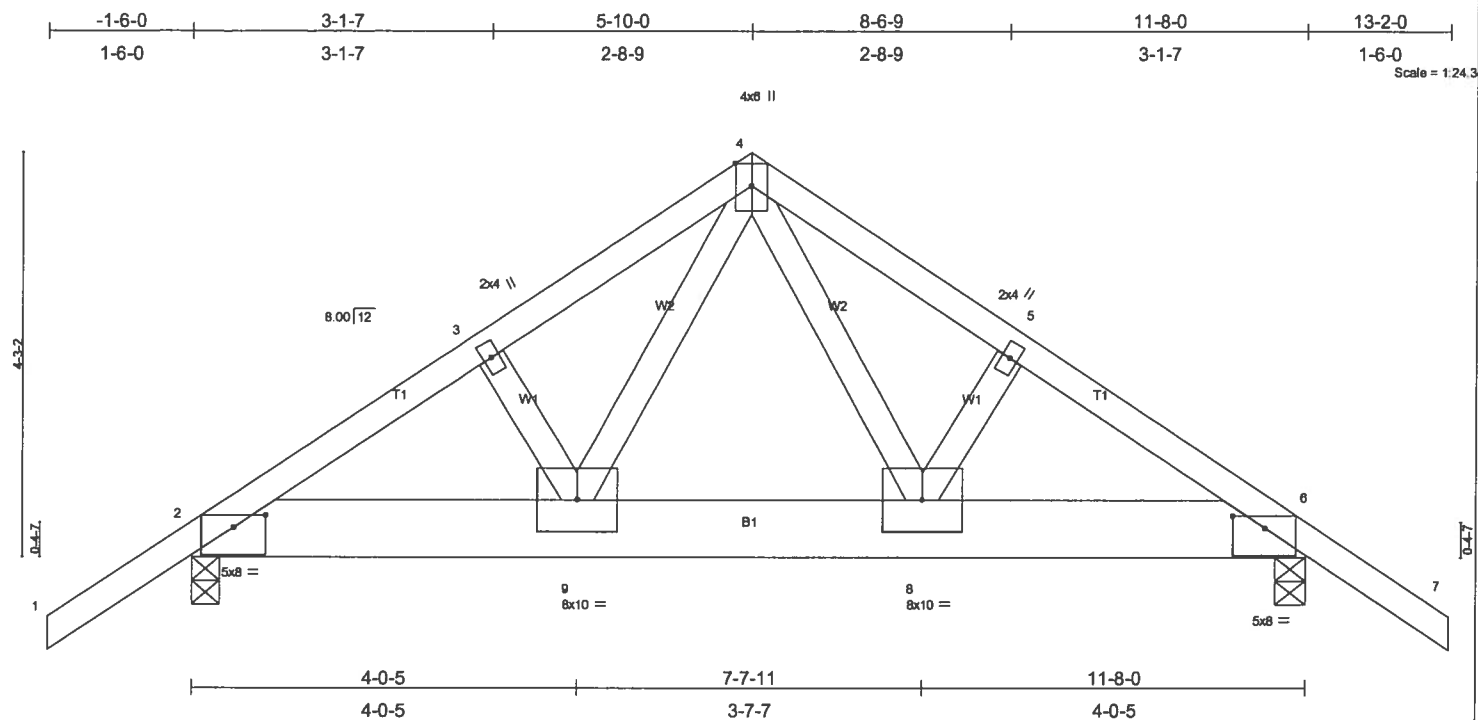


Plate Offsets (X,Y): [2:0-4-0,0-1-9], [6:0-4-0,0-1-8]							
LOADING (psf)	SPACING	2:0-0	CSI	DEFL	in	(loc)	l/defl
TCLL 20.0	Plates Increase	1.25	TC 0.17	Vert(LL)	-0.04	8-9	>999
TCDL 7.0	Lumber Increase	1.25	BC 0.19	Vert(TL)	-0.07	8-9	>999
BCLL 10.0	Rep Stress Incr	NO	WB 0.41	Horz(TL)	0.01	6	n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)				
				L/d		240	
				L/d		180	
				Weight: 158 lb			

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=3690/0-3-8, 6=3692/0-4-0
Max Horz 2=137(load case 3)
Max Uplift 2=-1474(load case 4), 6=-1475(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
1-2=0/50, 2-3=-4458/1671, 3-4=-4381/1693, 4-5=-4367/1688, 5-6=-4445/1666, 6-7=0/50
BOT CHORD 2-9=-1355/3680, 8-9=-876/2536, 6-8=-1318/3661
WEBS 3-9=-95/122, 4-9=-983/2561, 4-8=-973/2533, 5-8=-78/115

JOINT STRESS INDEX
2 = 0.59, 3 = 0.03, 4 = 0.64, 5 = 0.03, 6 = 0.59, 8 = 0.29 and 9 = 0.29

NOTES

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1474 lb uplift at joint 2 and 1475 lb uplift at joint 6.
- Girder carries tie-in span(s): 28-6-0 from 0-0-0 to 11-8-0

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-6=-580(F=-550)

LATERAL TOE-NAIL DETAIL

ST-TOENAIL

MITek Industries, Chesterfield, MO Page 1 of 1

NOTES:

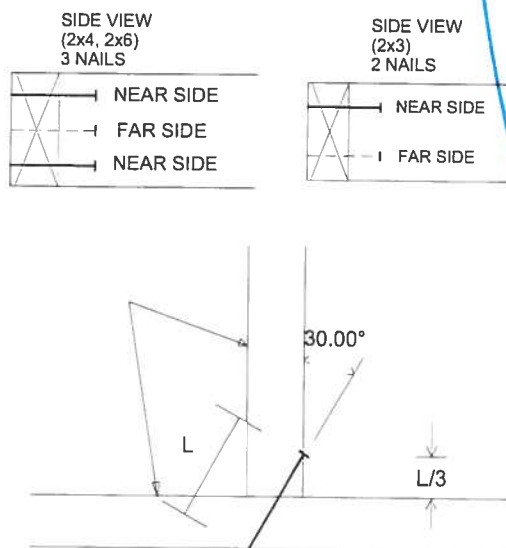
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM.	SYP
3.5" LONG	.131	83.3
	.135	89.6
	.162	118.3
3.25" LONG	.128	80.5
	.131	83.3
	.140	102.1
3.0" LONG	.120	70.5
	.128	80.5
	.131	83.3
	.148	102.1

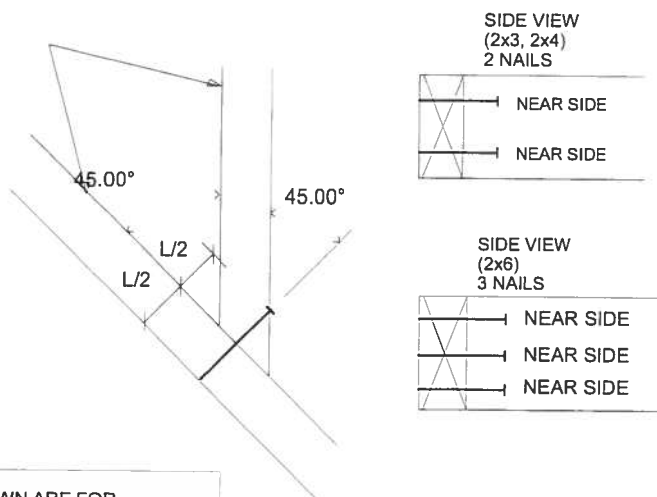
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

SQUARE CUT



45 DEGREE ANGLE BEVEL CUT

This detail may only be applied to Pre-engineered truss drawings signed and sealed by Structural Engineering and Inspections Inc.



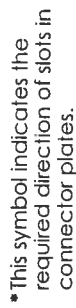
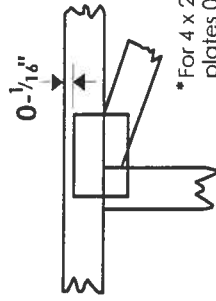
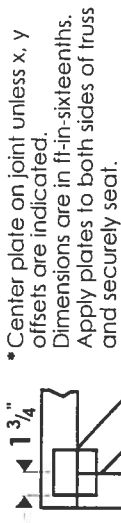
VIEWS SHOWN ARE FOR
ILLUSTRATION PURPOSES ONLY

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

DEC 06 2006

Symbols

PLATE LOCATION AND ORIENTATION



* Plate location details available in Mitek 20/20 software or upon request.

PLATE SIZE

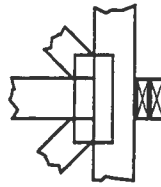
4 X 4

The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

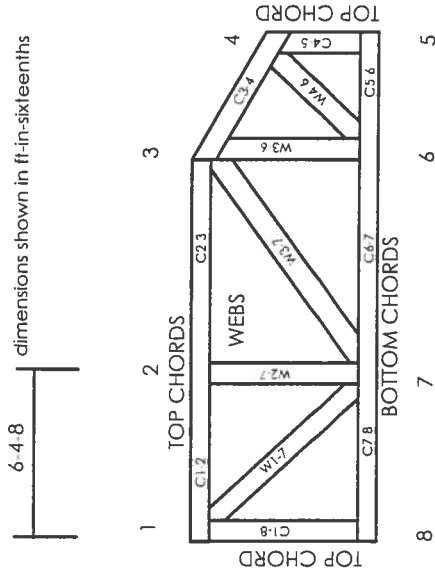


BEARING



Industry Standards:
ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

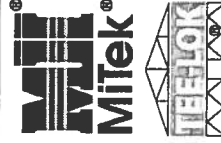


JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



Mitek Engineering Reference Sheet: MII-7473



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

© 2004 Mitek®

