

DATE 07/11/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000027161

APPLICANT JACOB KIRSCH PHONE 344-4817
ADDRESS 484 NW TURNER AVENUE LAKE CITY FL 32055
OWNER SOUTHEAST DEVELOPERS PHONE 755-2082
ADDRESS 117 SW POPPY GLEN LAKE CITY FL 32024
CONTRACTOR JACOB KIRSCH PHONE 344-4817
LOCATION OF PROPERTY 90W. TL ON 247S, TL CALLAHAN, TL HOPE HENRY, TR BUTTERCUP
PROPERTY ON LEFT CORNER OF BUTTERCUP AND POPPY GLN.
TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 118800.00
HEATED FLOOR AREA 1700.00 TOTAL AREA 2376.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 21
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 15-4S-16-03023-532 SUBDIVISION ROLLING MEADOWS
LOT 32 BLOCK PHASE UNIT TOTAL ACRES 0.51

000001634 CBC1253775
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 080058 BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: PLAT REQUIRES MFE AT 107.5, ELEVATION CONFIRMATION LETTER

REQUIRED AT SLAB

Check # or Cash 12110

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 595.00 CERTIFICATION FEE \$ 11.88 SURCHARGE FEE \$ 11.88
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 718.76
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

For Office Use Only Application # 0801-51 Date Received 1-11-08 By LH Permit # 16341 271617
 Application Approved by - Zoning Official BLK Date 18.01.08 Plans Examiner OK JTL Date 2-15-08
 Flood Zone X Plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dev.
 Comments Plat Requires MFE of 102.5 ft. Elevation Confirmation Letter Required

☐ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permi

07-4232
 Name Authorized Person Signing Permit Jacob Kirsch Fax 386-752-5047
 Address 484 NW Turner Ave. #101, Lake City, FL 32055 Phone 386-344-4817
 Owners Name Southeast Developers Phone 386-755-2082
 911 Address 1171 SW Poppy Gln., Lake City, FL 32024
 Contractors Name Jacob Kirsch - Compass Builders Phone 386-344-4817
 Address 484 NW Turner Ave. #101, Lake City, FL 32055
 Fee Simple Owner Name & Address Southeast Developers Group, Lake City, FL
 Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Nicholas Paul Geisler, 1758 NW Brown Rd. L.C. FL
 Mortgage Lenders Name & Address Columbia Bank 173 NW Hillsboro St Lake City, FL 32025

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 15-45-16-03023-532 Estimated Cost of Construction 94,000
 Subdivision Name Rolling Meadows Lot 32 Block Unit Phase

Driving Directions from US90/441 - go US90 west to CR-247, TL, follow to Callahan, TL, follow to Rolling Meadows Sub., +R, follow to TR Buttercup Dr. +R, Property on corner of Buttercup and Poppy
 Type of Construction S.F.D. on left Number of Existing Dwellings on Property 0

Total Acreage .51 Lot Size .51 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 50' Side 30' Side 30' Rear 83'
 Total Building Height 21.8" Number of Stories 1 Heated Floor Area 1700 Roof Pitch 8/12
TOTAL 2376

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Representative Michelle Fischer
 STATE OF FLORIDA
 COUNTY OF COLUMBIA
 Sworn to (or affirmed) and subscribed before me
 this 11 day of Jan 2008
 Personally known X or Produced Identification
0012051
 Contractor Signature Jacob C. Kirsch
 Contractors License Number CBC 1253775
 Competency Card Number
 NOTARY STAMP/SEAL
Michelle Fischer
 Notary Signature
 (Revised Sept. 2006)

TOTAL 2376
1-18-08

Columbia County Building Permit Application

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.



Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.



Contractor's Signature (Permitee)

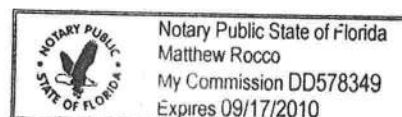
Contractor's License Number CBC 1253775
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 31 day of Jan 2008.
Personally known ☒ or Produced Identification _____



State of Florida Notary Signature (For the Contractor)

SEAL:



Columbia County Building Department Culvert Permit

Culvert Permit No.
000001634

DATE 07/11/2008 PARCEL ID # 15-4S-16-03023-532

APPLICANT JACOB KIRSCH PHONE 344-4817

ADDRESS 484 NW TURNER AVENUE LAKE CITY FL 32055

OWNER SOUTHEAST DEVELOPERS PHONE 755-2082

ADDRESS 117 SW POPPY GLEN LAKE CITY FL 32024

CONTRACTOR JACOB KIRSCH PHONE 344-4817

LOCATION OF PROPERTY 90W. TL ON 247S, TL CALLAHAN, TL HOPE HENRY, TR BUTTERCUP

PROPERTY ON LEFT CORNER OF BUTTERCUP AND POPPY GLN.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 32

SIGNATURE 

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



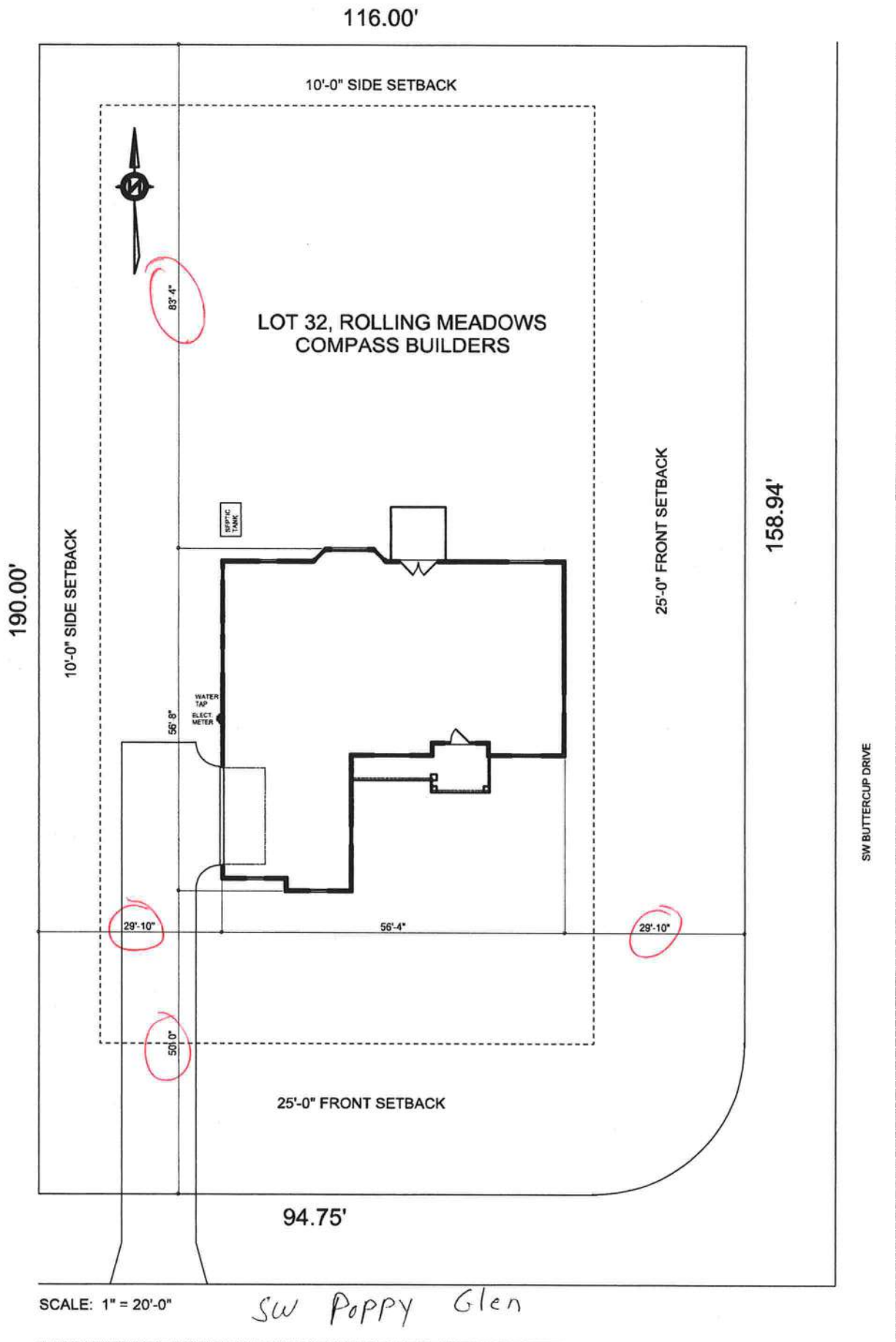
Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00





117 15-4S-16-03023-532

LOT 32 ROLLING MEADOWS S/D. WD 1063-1963. WD 1078-2776.

ATS# 15564

This Instrument Prepared By:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055

WARRANTY DEED

THIS WARRANTY DEED made this 28th day of March, 2006, Milestone HS, LLC, a Florida Limited Liability Company, A Florida Limited Liability Company, hereinafter called the grantor, to Southeast Developers Group, Inc, A Florida Corporation, whose mailing address is: 197 SW Waterford Court, Ste 105, Lake City, FL 32025 hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

WITNESSETH that the Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the Grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# P/O R03023-005

LOT 32 OF ROLLING MEADOWS, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, PAGES 45 AND 46, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

WITNESS

PRINTED NAME

WITNESS

PRINTED NAME

Milestone HS, LLC

BY:

Robert S. Stewart, Managing Member

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th day of March, 2006 by Robert S. Stewart as Managing Member of Milestone HS, LLC, a Florida Limited Liability Company personally known to me or, if not personally known to me, who produced for identification and who did not take an oath.

(SEAL)



NOTARY PUBLIC

My Commission Expires:

Inst: 2006007817 Date: 03/29/2006 Time: 15:18

Doc Stamp-Deed : 455.00

J. J. DC, P. DeWitt Cason, Columbia County B:1078 P:2776

COLUMBIA COUNTY 9-1-1 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787

Telephone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

ADDRESS ASSIGNMENT DATA

The Columbia County Board of County Commissioners has passed Ordinance 2001-9, which provides for a uniform numbering system. A copy of this ordinance is available in the Clerk of Court records, located in the courthouse. This new numbering system will increase the efficiency of POLICE, FIRE AND EMERGENCY MEDICAL vehicles responding to calls within Columbia County by immediately identifying the location of the caller.

Residential or Other Structure on Parcel Number:
15-4S-16-03023-532

Address Assignment:
117 SW POPPY GLN, LAKE CITY, FL, 32024

Note: LOT 32 ROLLING MEADOWS S/D

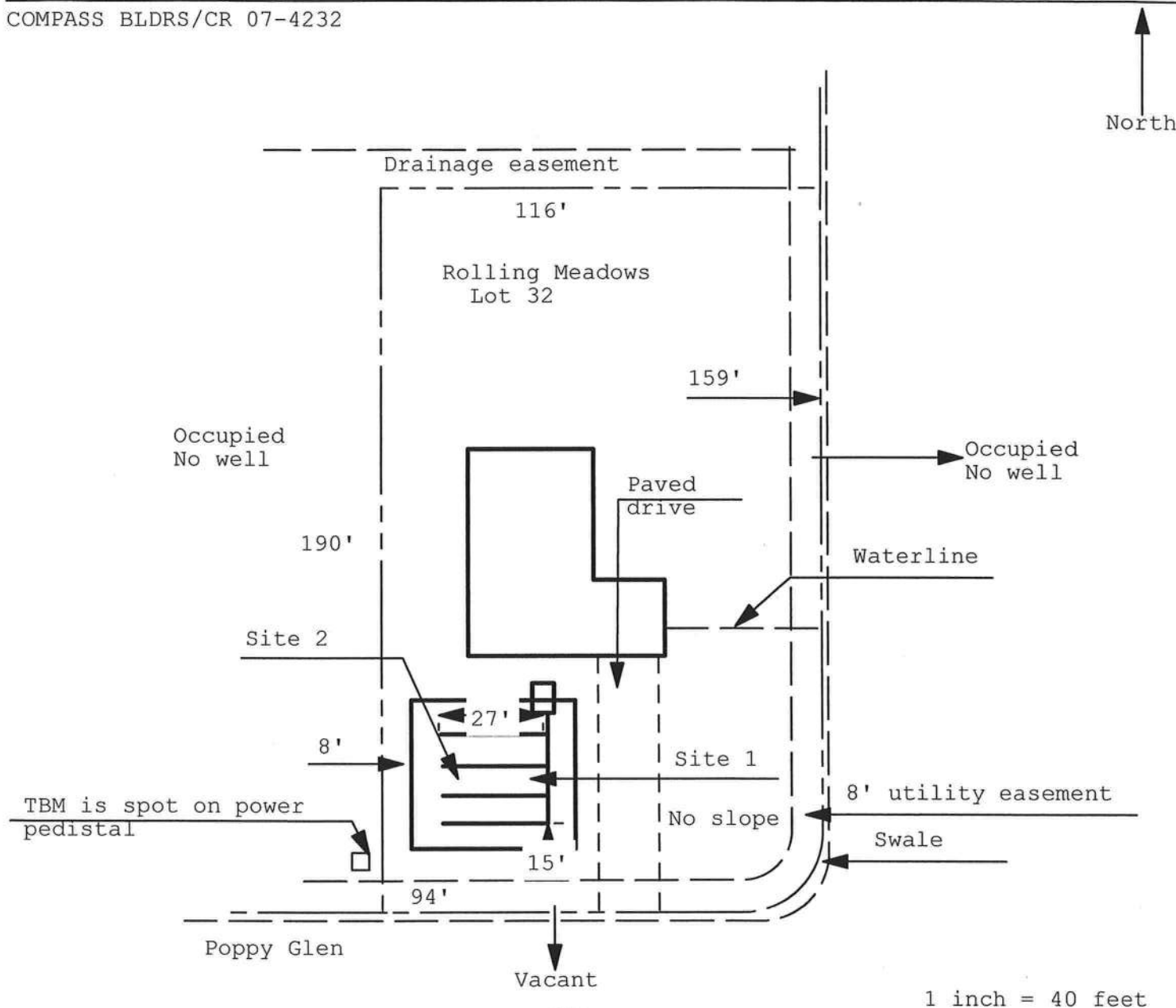
Any questions concerning this information should be referred to the Columbia County 9-1-1 Addressing / GIS Department at the address or telephone number above.

08-0054

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 0801-51

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

COMPASS BLDERS/CR 07-4232



Site Plan Submitted By Paul Lloyd Date 1/10/08
Plan Approved ✓ Not Approved Paul Lloyd Date 1-15-08
By Man A 2 Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Compass Builders - Kailee**
 Address: **Lot: 3 Sub: Rolling Meadows, Plat:**
 City, State: **Lake City, FL 32025- Lot 32**
 Owner: **Spec House**
 Climate Zone: **North**

Builder: **Compass Builders**
 Permitting Office: **Columbia**
 Permit Number: **27097**
 Jurisdiction Number: **22100**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1700 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
 (or Single or Double DEFAULT) 7a. (Dble Default) 259.3 ft² ☐
 - b. SHGC:
 (or Clear or Tint DEFAULT) 7b. (Clear) 259.3 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=5.0, 190.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1146.7 ft² ☐
 - b. Frame, Wood, Adjacent R=13.0, 180.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1850.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 50.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 36.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 36.0 kBtu/hr
HSPF: 7.70 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons
EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits
 (HR-Heat recovery, Solar
 DHP-Dedicated heat pump) ☐
15. HVAC credits PT, ☐

(CF-Ceiling fan, CV-Cross ventilation,
 HF-Whole house fan,
 PT-Programmable Thermostat,
 MZ-C-Multizone cooling,
 MZ-H-Multizone heating)

Glass/Floor Area: 0.15

Total as-built points: 21957

Total base points: 23500

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: DATE: 1-9-08

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: DATE: 1/10/08

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1700.0	18.59	5689.0	1.Double, Clear	W	1.5	10.0	75.0	38.52	0.98	2828.0
				2.Double, Clear	W	1.5	10.0	20.0	38.52	0.98	754.0
				3.Double, Clear	W	1.5	10.0	40.0	38.52	0.98	1508.0
				4.Double, Clear	N	1.5	8.0	15.0	19.20	0.97	278.0
				5.Double, Clear	E	1.5	8.0	30.0	42.06	0.96	1208.0
				6.Double, Clear	E	9.5	10.0	13.3	42.06	0.53	297.0
				7.Double, Clear	E	5.5	10.0	30.0	42.06	0.69	875.0
				8.Double, Clear	S	1.5	8.0	16.0	35.87	0.92	529.0
				9.Double, Clear	S	1.5	8.0	20.0	35.87	0.92	662.0
				As-Built Total:		259.3			8939.0		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	180.0	0.70	126.0	1. Frame, Wood, Exterior	13.0		1146.7	1.50		1720.0	
Exterior	1146.7	1.70	1949.4	2. Frame, Wood, Adjacent	13.0		180.0	0.60		108.0	
Base Total: 1326.7 2075.4				As-Built Total:		1326.7			1828.0		
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	20.0	2.40	48.0	1.Exterior Insulated			20.0	4.10		82.0	
Exterior	20.0	6.10	122.0	2.Adjacent Insulated			20.0	1.60		32.0	
Base Total: 40.0 170.0				As-Built Total:		40.0			114.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1700.0	1.73	2941.0	1. Under Attic	30.0		1850.0	1.73 X 1.00		3200.5	
Base Total: 1700.0 2941.0				As-Built Total:		1850.0			3200.5		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	190.0(p)	-37.0	-7030.0	1. Slab-On-Grade Edge Insulation	5.0		190.0(p)	-36.20		-6878.0	
Raised	0.0	0.00	0.0								
Base Total: -7030.0				As-Built Total:		190.0			-6878.0		
INFILTRATION Area X BSPM = Points						Area X SPM = Points					
1700.0 10.21 17357.0						1700.0 10.21 17357.0					

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: , Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 21202.4				Summer As-Built Points: 24560.5						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.147 x 0.91)	X System Multiplier	X Credit Multiplier	=	Cooling Points
21202.4	0.3250		6890.8	(sys 1: Central Unit 36000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 24561	1.00	(1.09 x 1.147 x 0.91)	0.260	0.950		6901.9
				24560.5	1.00	1.138	0.260	0.950		6901.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1700.0	20.17	6172.0	1.Double, Clear	W	1.5	10.0	75.0	20.73	1.01	1563.0
				2.Double, Clear	W	1.5	10.0	20.0	20.73	1.01	416.0
				3.Double, Clear	W	1.5	10.0	40.0	20.73	1.01	833.0
				4.Double, Clear	N	1.5	8.0	15.0	24.58	1.00	368.0
				5.Double, Clear	E	1.5	8.0	30.0	18.79	1.02	574.0
				6.Double, Clear	E	9.5	10.0	13.3	18.79	1.27	318.0
				7.Double, Clear	E	5.5	10.0	30.0	18.79	1.14	641.0
				8.Double, Clear	S	1.5	8.0	16.0	13.30	1.04	221.0
				9.Double, Clear	S	1.5	8.0	20.0	13.30	1.04	276.0
				As-Built Total:				259.3	5210.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	180.0	3.60	648.0	1. Frame, Wood, Exterior	13.0		1146.7	3.40	3898.8		
Exterior	1146.7	3.70	4242.8	2. Frame, Wood, Adjacent	13.0		180.0	3.30	594.0		
Base Total: 1326.7 4890.8				As-Built Total:		1326.7		4492.8			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	20.0	11.50	230.0	1.Exterior Insulated			20.0	8.40	168.0		
Exterior	20.0	12.30	246.0	2.Adjacent Insulated			20.0	8.00	160.0		
Base Total: 40.0 476.0				As-Built Total:		40.0		328.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1700.0	2.05	3485.0	1. Under Attic	30.0		1850.0	2.05 X 1.00	3792.5		
Base Total: 1700.0 3485.0				As-Built Total:		1850.0		3792.5			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	190.0(p)	8.9	1691.0	1. Slab-On-Grade Edge Insulation	5.0		190.0(p)	7.60	1444.0		
Raised	0.0	0.00	0.0								
Base Total: 1691.0				As-Built Total:		190.0		1444.0			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1700.0 -0.59 -1003.0				1700.0 -0.59 -1003.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 15711.8				Winter As-Built Points: 14264.3									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Heating Points
15711.8		0.5540	8704.3	(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0 14264.3 1.000 (1.069 x 1.169 x 0.93) 0.443 0.950 6974.5 14264.3 1.00 1.162 0.443 0.950 6974.5									

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit = Total Multiplier
Number of Bedrooms	X	Multiplier	= Total						
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	1.00 8080.7
				As-Built Total:					8080.7

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
6891		8704	7905 23500	6902		6974	8081 21957

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: , Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.6

The higher the score, the more efficient the home.

Spec House, Lot: , Sub: Rolling Meadows, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1700 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 36.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 259.3 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 259.3 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=5.0, 190.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
c. N/A	___	___		EF: 0.90
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1146.7 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Adjacent	R=13.0, 180.0 ft ²	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	PT, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1850.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft	___		___
b. N/A	___	___		___

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

Residential System Sizing Calculation

Summary

Spec House

Lake City, FL 32025-

Project Title:
Compass Builders - Kailee

Lot 32

Code Only
Professional Version
Climate: North

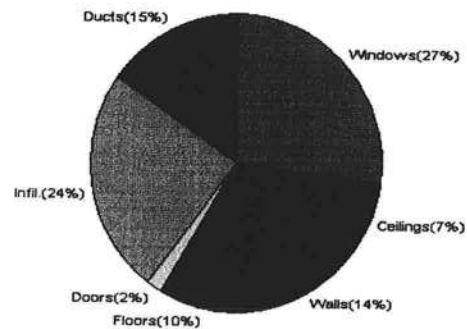
1/10/2008

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	30539 Btuh	Total cooling load calculation	46532 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.9 36000	Sensible (SHR = 0.75)	70.4 27000
Heat Pump + Auxiliary(0.0kW)	117.9 36000	Latent	110.0 9000
		Total (Electric Heat Pump)	77.4 36000

WINTER CALCULATIONS

Winter Heating Load (for 1700 sqft)

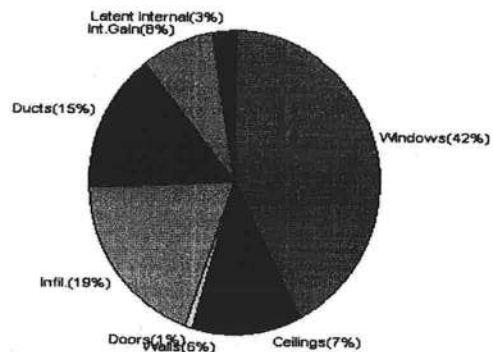
Load component		Load	
Window total	259 sqft	8348	Btuh
Wall total	1327 sqft	4357	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	1850 sqft	2180	Btuh
Floor total	190 sqft	3107	Btuh
Infiltration	181 cfm	7345	Btuh
Duct loss		4684	Btuh
Subtotal		30539	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		30539	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1700 sqft)

Load component		Load	
Window total	259 sqft	19662	Btuh
Wall total	1327 sqft	2663	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	1850 sqft	3064	Btuh
Floor total		0	Btuh
Infiltration	159 cfm	2953	Btuh
Internal gain		3780	Btuh
Duct gain		5838	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		38352	Btuh
Latent gain(ducts)		1181	Btuh
Latent gain(infiltration)		5799	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		8180	Btuh
TOTAL HEAT GAIN		46532	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: KBH

DATE: 1-9-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

1/10/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	75.0		32.2	2414 Btuh
2	2, Clear, Metal, 0.87	W	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
4	2, Clear, Metal, 0.87	N	15.0		32.2	483 Btuh
5	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	E	13.3		32.2	429 Btuh
7	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	S	16.0		32.2	515 Btuh
9	2, Clear, Metal, 0.87	S	20.0		32.2	644 Btuh
Window Total			259(sqft)			8348 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1147		3.3	3766 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180		3.3	591 Btuh
Wall Total			1327			4357 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Adjacent		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	1850		1.2	2180 Btuh
Ceiling Total			1850			2180Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	190.0 ft(p)		16.4	3107 Btuh
Floor Total			190			3107 Btuh
Envelope Subtotal:						18510 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80	13600	1327	181.3	7345 Btuh
Ductload	(DLM of 0.181)					4684 Btuh
All Zones	Sensible Subtotal All Zones					30539 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

1/10/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	30539 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30539 Btuh

EQUIPMENT

1. Electric Heat Pump	#	36000 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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

1/10/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	75.0	32.2	2414 Btuh
2	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	W	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	N	15.0	32.2	483 Btuh
5	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
7	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	S	16.0	32.2	515 Btuh
9	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
Window Total			259(sqft)		8348 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1147	3.3	3766 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180	3.3	591 Btuh
Wall Total			1327		4357 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		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	1850	1.2	2180 Btuh
Ceiling Total			1850		2180 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	190.0 ft(p)	16.4	3107 Btuh
Floor Total			190		3107 Btuh
Zone Envelope Subtotal:					18510 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80 13600	1327	181.3	7345 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.181)				4684 Btuh
Zone #1	Sensible Zone Subtotal				30539 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32025-

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

1/10/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	30539 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30539 Btuh

EQUIPMENT

1. Electric Heat Pump	#	36000 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Compass Builders - Kailee

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

1/10/2008

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	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	29	80	5964	Btuh	
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	20.0	0.0	20.0	29	80	1590	Btuh	
3	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	40.0	0.0	40.0	29	80	3181	Btuh	
4	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	29	29	434	Btuh	
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh	
6	2, Clear, 0.87, None,N,N	E	9.5ft	10ft.	13.3	9.1	4.2	29	80	600	Btuh	
7	2, Clear, 0.87, None,N,N	E	5.5ft	10ft.	30.0	0.0	30.0	29	80	2385	Btuh	
8	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	16.0	16.0	0.0	29	34	463	Btuh	
9	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	20.0	20.0	0.0	29	34	579	Btuh	
Excursion										2079	Btuh	
Window Total					259 (sqft)					19662 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Ext	13.0/0.09		1146.7		2.1		2392 Btuh				
2	Frame - Wood - Adj	13.0/0.09		180.0		1.5		272 Btuh				
Wall Total					1327 (sqft)				2663 Btuh			
Doors	Type			Area (sqft)		HTM		Load				
1	Insulated - Exterior			20.0		9.8		196 Btuh				
2	Insulated - Adjacent			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		1850.0		1.7		3064 Btuh				
Ceiling Total					1850 (sqft)				3064 Btuh			
Floors	Type	R-Value		Size		HTM		Load				
1	Slab On Grade	5.0		190 (ft(p))		0.0		0 Btuh				
Floor Total					190.0 (sqft)				0 Btuh			
Envelope Subtotal:										25781 Btuh		
Infiltration	Type	ACH		Volume(cuft)		wall area(sqft)		CFM=		Load		
	SensibleNatural	0.70		13600		1327		181.3		2953 Btuh		
Internal gain		Occupants		Btuh/occupant		Appliance				Load		
		6		X 230		+		2400		3780 Btuh		
Sensible Envelope Load:										32514 Btuh		
Duct load	(DGM of 0.180)										5838 Btuh	
Sensible Load All Zones										38352 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/10/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	32514 Btuh
	Sensible Duct Load	5838 Btuh
	Total Sensible Zone Loads	38352 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	38352 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5799 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1181 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8180 Btuh
	TOTAL GAIN	46532 Btuh

EQUIPMENT

1. Central Unit	#	36000 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

1/10/2008

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	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	75.0	0.0	75.0	29	80	5964	Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	20.0	0.0	20.0	29	80	1590	Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	10ft.	40.0	0.0	40.0	29	80	3181	Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	15.0	0.0	15.0	29	29	434	Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh
6	2, Clear, 0.87, None,N,N	E	9.5ft	10ft.	13.3	9.1	4.2	29	80	600	Btuh
7	2, Clear, 0.87, None,N,N	E	5.5ft	10ft.	30.0	0.0	30.0	29	80	2385	Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	16.0	16.0	0.0	29	34	463	Btuh
9	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	20.0	20.0	0.0	29	34	579	Btuh
Window Total					259 (sqft)					17583 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1146.7		2.1		2392 Btuh		
2	Frame - Wood - Adj	13.0/0.09			180.0		1.5		272 Btuh		
Wall Total					1327 (sqft)					2663 Btuh	
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				20.0		9.8		196 Btuh		
2	Insulated - Adjacent				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			1850.0		1.7		3064 Btuh		
Ceiling Total					1850 (sqft)					3064 Btuh	
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	5.0			190 (ft(p))		0.0		0 Btuh		
Floor Total					190.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										23702 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=		Load
	SensibleNatural	0.70			13600		1327		158.7		2953 Btuh
Internal gain		Occupants			Btuh/occupant		Appliance		Load		
		6			X 230		+		2400		3780 Btuh
Sensible Envelope Load:										30435 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.180)		5465 Btuh	
Sensible Zone Load										35900 Btuh	

The following window Excursion will be assigned to the system loads.

Windows	July excursion for System 1		
	Excursion Subtotal:	2079 Btuh	2079 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/10/2008

Duct load		373 Btuh
	Sensible Excursion Load	2452 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Compass Builders - Kailee

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

1/10/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	32514 Btuh
	Sensible Duct Load	5838 Btuh
	Total Sensible Zone Loads	38352 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	38352 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5799 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1181 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	8180 Btuh
	TOTAL GAIN	46532 Btuh

EQUIPMENT

1. Central Unit	#	36000 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)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Lake City, FL 32025-

Project Title:
Compass Builders - Kailee

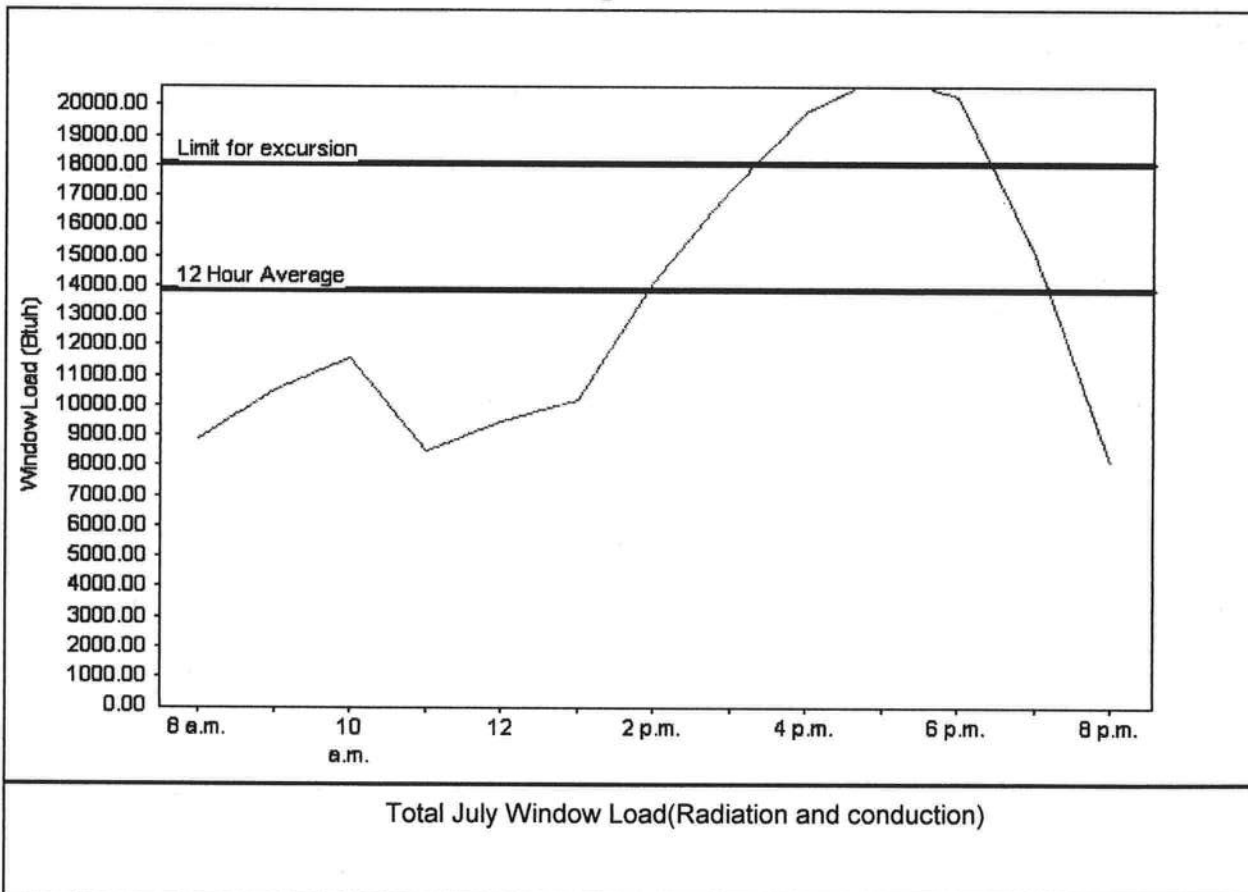
Code Only
Professional Version
Climate: North

1/10/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	13873 Btu
Summer setpoint	75 F	Peak window load for July	20990 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18035 Btu
Latitude	29 North	Window excursion (July)	2955 Btuh

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: [Signature]

DATE: 1/10/08

EnergyGauge® FLRCPB v4.5.2



PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Jeld-Wen	Exterior Swinging door	FL-498-R1
B. SLIDING			
C. SECTIONAL/ROLL UP	Raynor	Raynor	FL-4967
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	ME-Products	Single Hung Window	FL-5108
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Hardi Plank Siding	FL-889-R1
B. SOFFITS	Kaylan	Aluminum Soffit	FL-4957
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Elk Roofing	Asphalt shingles	FL-586-R2
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson Strong tie	Truss Straps	FL-474-R1
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.


APPLICANT SIGNATURE

1/10/08
DATE

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE _____ 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE _____ 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant Plans Examiner

- | | | |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <p>All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.</p> <p>Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.</p> <p><u>Site Plan including:</u></p> <p>a) Dimensions of lot</p> <p>b) Dimensions of building set backs</p> <p>c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.</p> <p>d) Provide a full legal description of property.</p> <p><u>Wind-load Engineering Summary, calculations and any details required</u></p> <p>Plans or specifications must state compliance with FBC Section 1609.</p> <p>The following information must be shown as per section 1603.1.4 FBC</p> <p>a. Basic wind speed (3-second gust), miles per hour (km/hr).</p> <p>b. Wind importance factor, I_w, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.</p> <p>c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.</p> <p>d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.</p> <p>e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifiably designed by the registered design professional.</p> <p><u>Elevations including:</u></p> <p>a) All sides</p> <p>b) Roof pitch</p> <p>c) Overhang dimensions and detail with attic ventilation</p> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required

Plans or specifications must state compliance with FBC Section 1609.

- The following information must be shown as per section 1603.1.4 FBC
- a. Basic wind speed (3-second gust), miles per hour (km/hr).
 - b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
 - c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
 - d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
 - e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifiably designed by the registered design professional.

Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation

☐ d) Location, size and height above roof of chimneys.

☐ e) Location and size of skylights

☐ f) Building height

☐ e) Number of stories

Floor Plan including:

☐ a) Rooms labeled and dimensioned.

☐ b) Shear walls identified.

☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).

☐ d) Show safety glazing of glass, where required by code.

☐ e) Identify egress windows in bedrooms, and size.

☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).

☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.

☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.

☐ b) All posts and/or column footing including size and reinforcing

☐ c) Any special support required by soil analysis such as piling

☐ d) Location of any vertical steel.

Roof System:

☐ a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.

2. Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☐ b) Conventional Framing Layout including:

1. Rafter size, species and spacing

2. Attachment to wall and uplift

3. Ridge beam sized and valley framing and support details

4. Roof assembly (FBC 106.1.1.2) Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☐ a) Masonry wall

1. All materials making up wall

2. Block size and mortar type with size and spacing of reinforcement

3. Lintel, tie-beam sizes and reinforcement

4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details

5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.

6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)

7. Fire resistant construction (if required)

8. Fireproofing requirements

9. Shoe type of termite treatment (termiteicide or alternative method)

10. Slab on grade

a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)

b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports

11. Indicate where pressure treated wood will be placed

12. Provide insulation R value for the following:

- 0 0

- □

□ □

- | | |
|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
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□ □

0 0



Project Information for: L265563

Builder: Compass Builders
 Lot : 32-1
 Subdivision: Rolling Meadows
 County: Baker
 Truss Count: 47

Design Program: MiTek 20/20 6.3
 Building Code: FBC2004/TPI2002

Truss Design Load Information:
Gravity: Wind:

Roof (psf): 42.0 Wind Standard: ASCE 7-02 Wind Exposure: B
 Floor (psf): N/A Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for the Structural Engineering:

Jacob C. Kirsch Florida License No. CBC1253775

Address: 196 Southwest Huntsview Way Lake City, Florida 32024

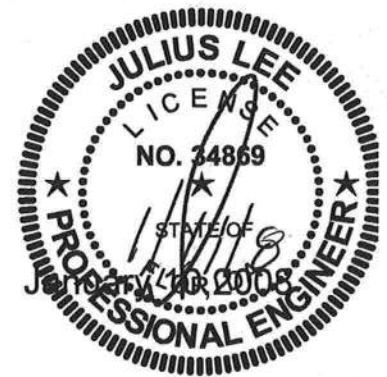
Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

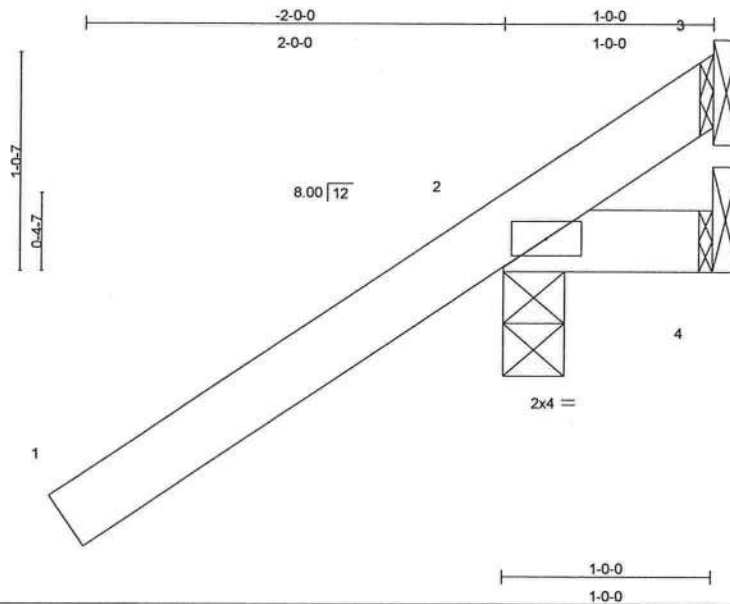
Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elements in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1925148	CJ01	1/10/08	29	J1925176	T20	1/10/08
2	J1925149	CJ02	1/10/08	30	J1925177	T21	1/10/08
3	J1925150	CJ03	1/10/08	31	J1925178	T22G	1/10/08
4	J1925151	EJ01	1/10/08	32	J1925179	T23G	1/10/08
5	J1925152	EJ02	1/10/08	33	J1925180	T24	1/10/08
6	J1925153	HJ01	1/10/08	34	J1925181	T25	1/10/08
7	J1925154	P01	1/10/08	35	J1925182	T26	1/10/08
8	J1925155	P02	1/10/08	36	J1925183	T27	1/10/08
9	J1925156	P03	1/10/08	37	J1925184	T28	1/10/08
10	J1925157	T01G	1/10/08	38	J1925185	T30	1/10/08
11	J1925158	T02G	1/10/08	39	J1925186	T31	1/10/08
12	J1925159	T03	1/10/08	40	J1925187	T32	1/10/08
13	J1925160	T04	1/10/08	41	J1925188	T33	1/10/08
14	J1925161	T05	1/10/08	42	J1925189	T34	1/10/08
15	J1925162	T06	1/10/08	43	J1925190	T35	1/10/08
16	J1925163	T07	1/10/08	44	J1925191	T36	1/10/08
17	J1925164	T08G	1/10/08	45	J1925192	T37	1/10/08
18	J1925165	T09	1/10/08	46	J1925193	T38	1/10/08
19	J1925166	T10	1/10/08	47	J1925194	T39	1/10/08
20	J1925167	T11	1/10/08				
21	J1925168	T12	1/10/08				
22	J1925169	T13	1/10/08				
23	J1925170	T14	1/10/08				
24	J1925171	T15	1/10/08				
25	J1925172	T16	1/10/08				
26	J1925173	T17	1/10/08				
27	J1925174	T18	1/10/08				
28	J1925175	T19G	1/10/08				



Job	Truss	Truss Type	Qty	Ply	0 0	J1925148
L265503	CJ01	JACK	2	1	Job Reference (optional)	



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	-0.00	2	>999	240		
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: 7 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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc
bracing.

REACTIONS (lb/size) 2=270/0-3-8, 4=5/Mechanical, 3=-100/Mechanical
Max Horz 2=119(load case 6)
Max Uplift 2=-312(load case 6), 3=-100(load case 1)
Max Grav 2=270(load case 1), 4=14(load case 2), 3=161(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/61, 2-3=-90/111
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.32

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 312 lb uplift at joint 2 and 100 lb uplift at joint 3.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34868
1409 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925148
L265563	CJ01	JACK	2	1		

Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:29:59 2008 Page 2

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34868
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10,2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

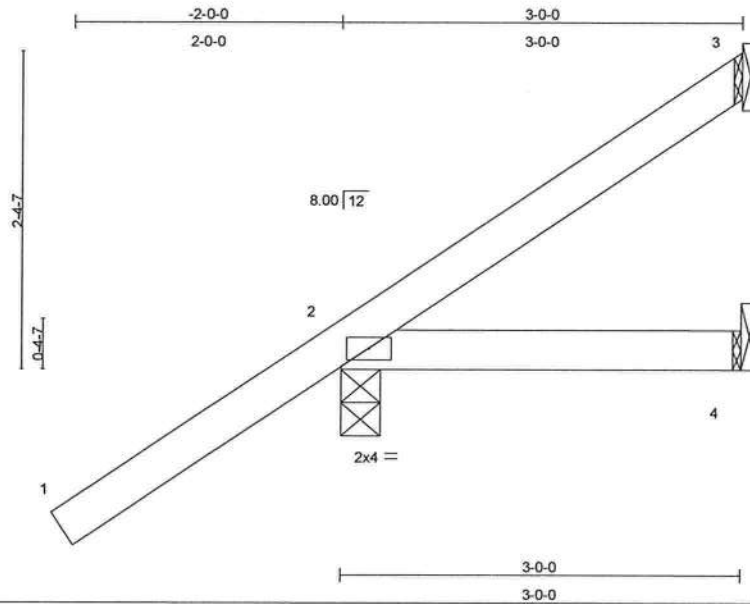
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925149
L265563	CJ02	JACK	2	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:29:59 2008 Page 1



Scale = 1:16.2

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.33	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	-0.01	2-4	>999	240		
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: 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) 3=27/Mechanical, 2=258/0-3-8, 4=14/Mechanical
Max Horz 2=179(load case 6)
Max Uplift 3=-33(load case 7), 2=-207(load case 6)
Max Grav 3=34(load case 4), 2=258(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-72/19
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.27

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 33 lb uplift at joint 3 and 207 lb uplift at joint 2.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 24868
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925149
L265563	CJ02	JACK	2	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:29:59 2008 Page 2

LOAD CASE(S) Standard

Julius Lane
Truss Design Engineer
Florida P.E. No. 34868
1100 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

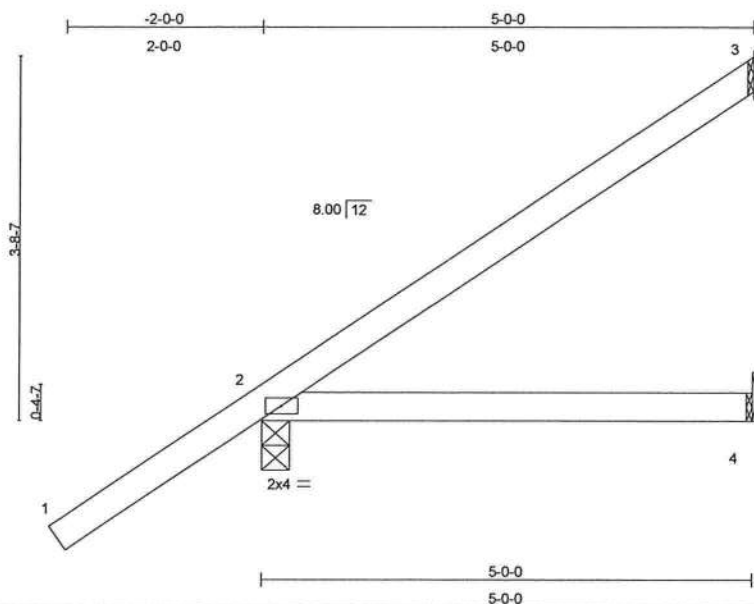
Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925150
L265563	CJ03	JACK	2	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

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Scale = 1:22.1

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.33	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	240		
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: 20 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=101/Mechanical, 2=302/0-3-8, 4=24/Mechanical
Max Horz 2=240(load case 6)
Max Uplift 3=-103(load case 6), 2=-188(load case 6)
Max Grav 3=101(load case 1), 2=302(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-90/43
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.30

NOTES

- Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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.
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 103 lb uplift at joint 3 and 188 lb uplift at joint 2.

Julius Lee
Truss Design Engineer
Florida PE No. 21808
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925150
L265563	CJ03	JACK	2	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:00 2008 Page 2

LOAD CASE(S) Standard

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Florida PE No. 34866
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

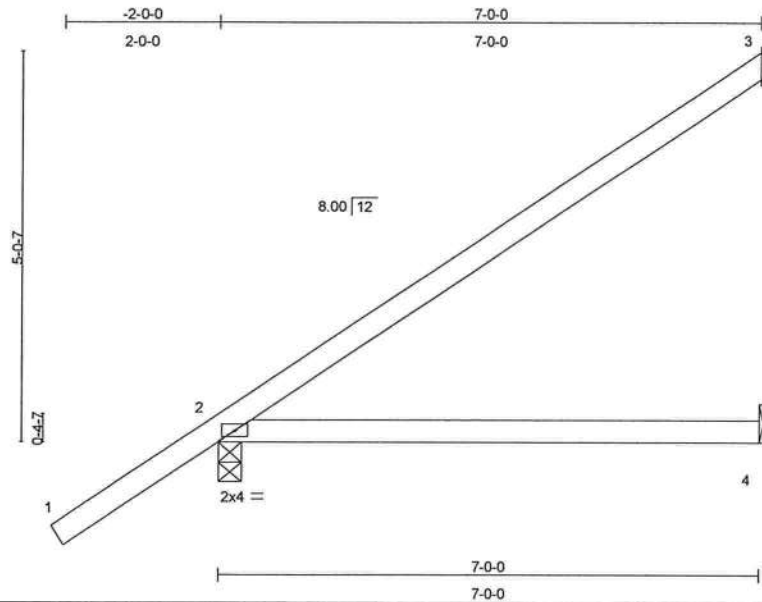
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925151
L265563	EJ01	MONO TRUSS	3	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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Scale = 1:28.0

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.45	Vert(LL)	-0.11	2-4	>730	360	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.33	Vert(TL)	-0.20	2-4	>417	240	244/190
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: 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) 3=164/Mechanical, 2=357/0-3-8, 4=34/Mechanical
Max Horz 2=218(load case 6)
Max Uplift 3=-110(load case 6), 2=-124(load case 6)
Max Grav 3=164(load case 1), 2=357(load case 1), 4=102(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-138/72
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.34

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 110 lb uplift at joint 3 and 124 lb uplift at joint 2.

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January 10, 2008

LOAD CASE(S) Standard

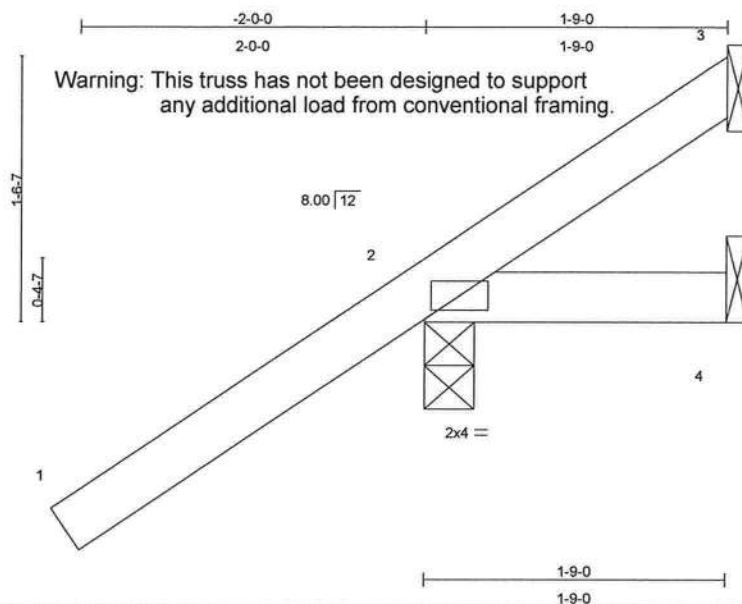
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925152
L265563	EJ02	MONO TRUSS	4	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:01 2008 Page 1



Scale = 1:12.6

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.02	Vert(TL)	-0.00	2	>999	240		
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: 10 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 1-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=239/0-3-8, 4=9/Mechanical, 3=-24/Mechanical
Max Horz 2=142(load case 6)
Max Uplift 2=-233(load case 6), 3=-24(load case 1)
Max Grav 2=239(load case 1), 4=26(load case 2), 3=55(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/61, 2-3=-67/37
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.27

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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 233 lb uplift at joint 2 and 24 lb uplift at joint 3.
- Continued on page 2

Julius Lane
Truss Design Engineer
Florida PE No. 3-48888
1100 Coastal Bay Blvd
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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	EJ02	MONO TRUSS	4	1	J1925152
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:01 2008 Page 2

LOAD CASE(S) Standard

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Truss Design Engineer
Florida P.E. No. 34888
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job L265563	Truss HJ01	Truss Type MONO TRUSS	Qty 1	Ply 1	0 0	J1925153
Job Reference (optional)						

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6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:02 2008 Page 1

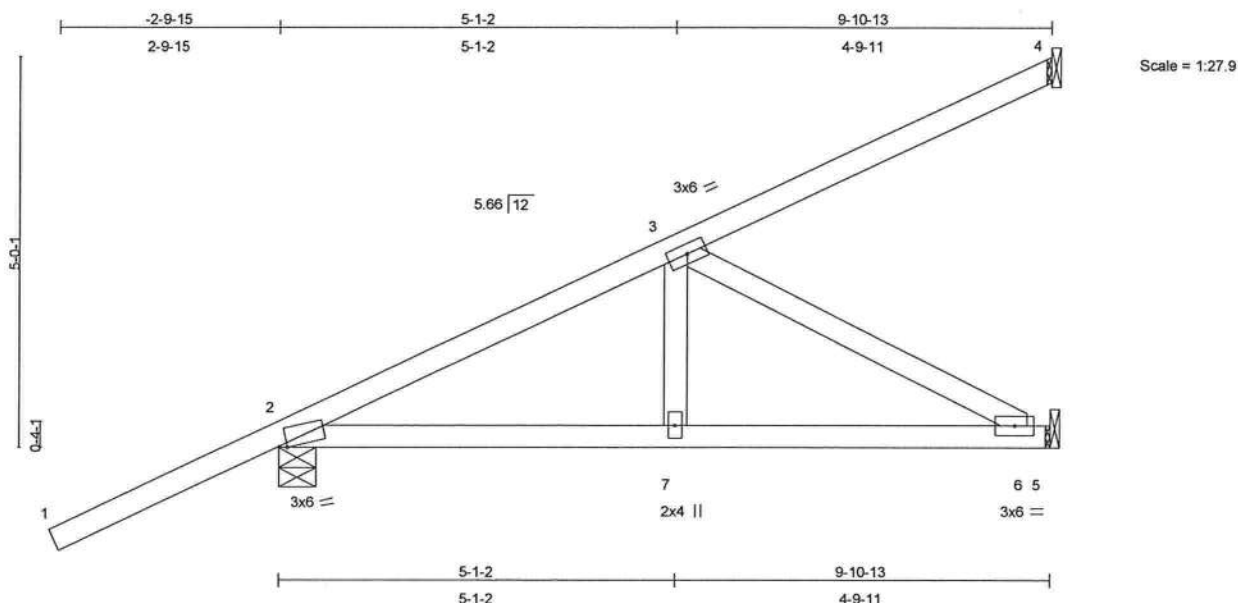


Plate Offsets (X,Y): [2:0-1-4,0-0-7]

LOADING (psf)	SPACING		CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.56	Vert(LL)	-0.04	2-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.32	Vert(TL)	-0.06	6-7	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.22	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 46 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=234/Mechanical, 2=460/0-5-11, 5=251/Mechanical
Max Horz 2=367(load case 5)
Max Uplift 4=-238(load case 5), 2=-242(load case 5), 5=-109(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/66, 2-3=-466/0, 3-4=-134/73
BOT CHORD 2-7=-243/394, 6-7=-243/394, 5-6=0/0
WEBS 3-6=-447/276, 3-7=0/186

JOINT STRESS INDEX

2 = 0.85, 3 = 0.13, 6 = 0.12 and 7 = 0.13

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 238 lb uplift at joint 4, 242 lb uplift at joint 2 and 109 lb uplift at joint 5.

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Florida PE No. 34868
1109 Coastal Bay Blvd
Boynton Beach, FL 33425

Continued on page 2

January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925153
L265563	HJ01	MONO TRUSS	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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NOTES

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=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=5, B=5)-to-5=-25(F=-7, B=-7)

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January 10, 2008

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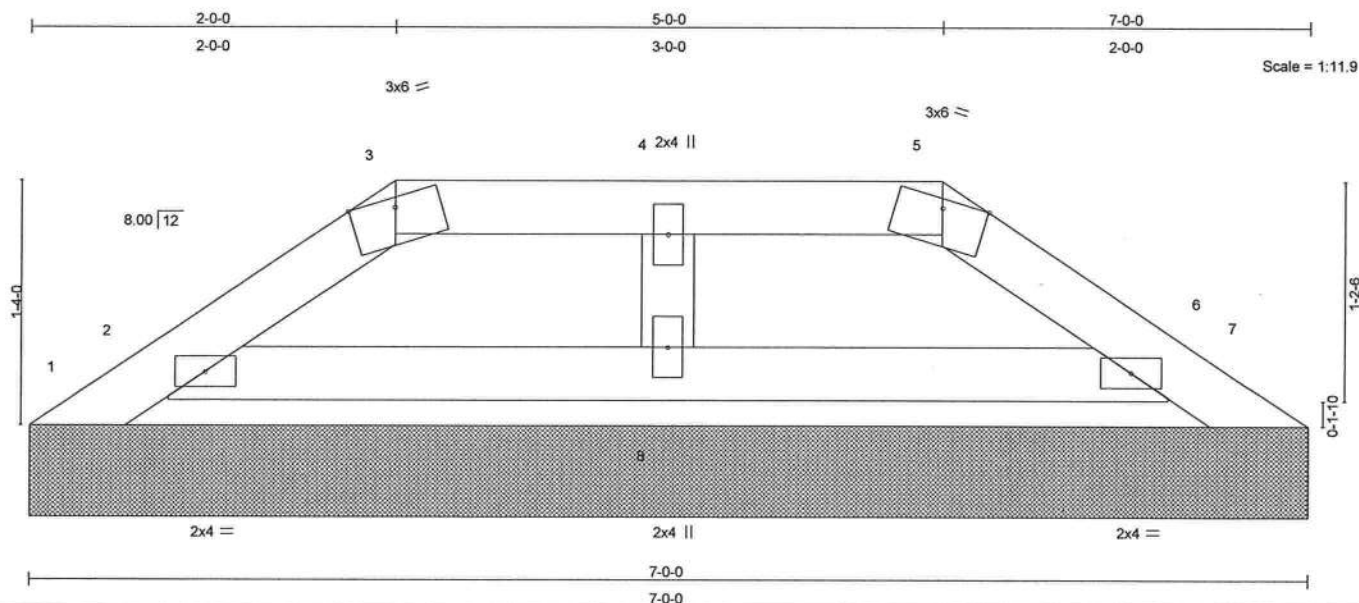


Job	Truss	Truss Type	Qty	Ply	0 0	J1925154
L265563	P01	GABLE	1	1		

Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.03	Horz(TL)	0.00	7	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
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) 1=-9/7-0-0, 7=-9/7-0-0, 2=146/7-0-0, 6=146/7-0-0, 8=142/7-0-0
Max Horz 1=-33(load case 4)
Max Uplift 1=-42(load case 4), 7=-32(load case 11), 2=-90(load case 5), 6=-71(load case 4), 8=-37(load case 5)
Max Grav 1=53(load case 5), 7=33(load case 4), 2=170(load case 10), 6=170(load case 11), 8=142(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-54/53, 2-3=-111/91, 3-4=-69/89, 4-5=-69/89, 5-6=-111/91, 6-7=-16/32
BOT CHORD 2-8=-29/69, 6-8=-29/69
WEBS 4-8=-108/124

JOINT STRESS INDEX

2 = 0.18, 3 = 0.03, 4 = 0.07, 5 = 0.03, 6 = 0.18 and 8 = 0.07

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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"

Continued on page 2

Julius Lane
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Florida PE No. 24888
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	P01	GABLE	1	1	J1925154
			Job Reference (optional)		

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:03 2008 Page 2

NOTES

- 4) Provide adequate drainage to prevent water ponding.
- 5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 4'-0" oc.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 1, 32 lb uplift at joint 7, 90 lb uplift at joint 2, 71 lb uplift at joint 6 and 37 lb uplift at joint 8.
- 10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julius Lane
Truss Design Engineer
Florida P.E. No. 24888
1300 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

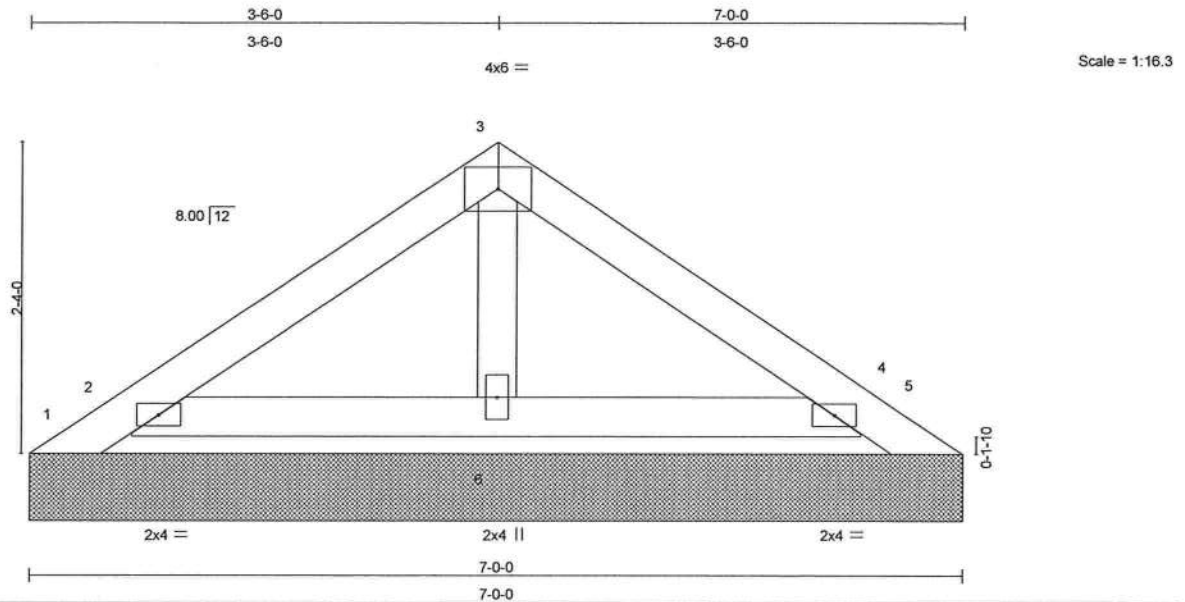
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925155
L265563	P02	GABLE	3	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:03 2008 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 23 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) 1=-72/7-0-0, 5=-72/7-0-0, 2=214/7-0-0, 4=214/7-0-0, 6=131/7-0-0
Max Horz 1=60(load case 5)
Max Uplift 1=-72(load case 1), 5=-72(load case 1), 2=-118(load case 6), 4=-108(load case 7)
Max Grav 1=78(load case 5), 5=56(load case 7), 2=214(load case 1), 4=214(load case 1), 6=131(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-90/79, 2-3=-68/46, 3-4=-68/46, 4-5=-46/51
BOT CHORD 2-6=-11/37, 4-6=-11/37
WEBS 3-6=-97/43

JOINT STRESS INDEX

2 = 0.22, 3 = 0.02, 4 = 0.22 and 6 = 0.03

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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"

Continued on page 2

Julius Lee
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January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	P02	GABLE	3	1	J1925155
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4'-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 72 lb uplift at joint 1, 72 lb uplift at joint 5, 118 lb uplift at joint 2 and 108 lb uplift at joint 4.
- 9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

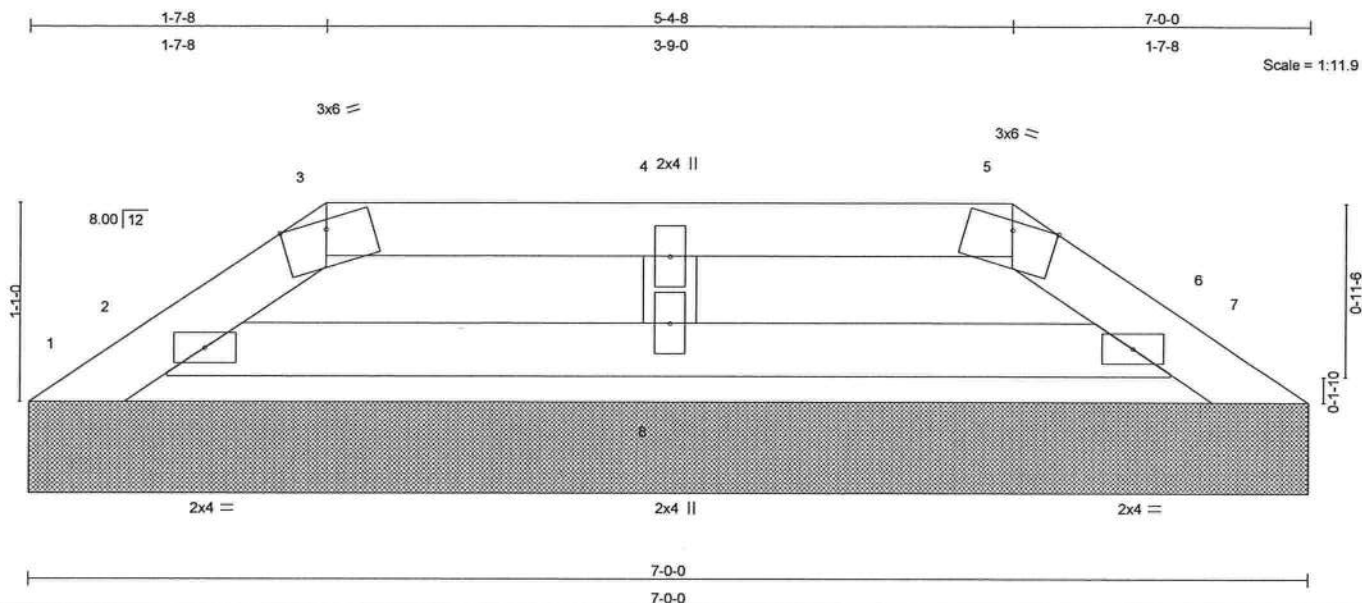
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925156
L265563	P03	GABLE	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.04	Horz(TL)	0.00	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 20 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) 1=-6/7-0-0, 7=-6/7-0-0, 2=132/7-0-0, 6=132/7-0-0, 8=164/7-0-0
Max Horz 1=-26(load case 4)
Max Uplift 1=-22(load case 4), 7=-16(load case 11), 2=-69(load case 5), 6=-52(load case 4), 8=-49(load case 5)
Max Grav 1=34(load case 5), 7=17(load case 4), 2=143(load case 10), 6=143(load case 11), 8=164(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-39/37, 2-3=-100/90, 3-4=-62/81, 4-5=-62/81, 5-6=-100/90, 6-7=-8/24
BOT CHORD 2-8=-34/62, 6-8=-34/62
WEBS 4-8=-129/151

JOINT STRESS INDEX

2 = 0.15, 3 = 0.03, 4 = 0.08, 5 = 0.03, 6 = 0.15 and 8 = 0.08

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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"

Continued on page 2

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January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	P03	GABLE	1	1	J1925156
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:04 2008 Page 2

NOTES

- 4) Provide adequate drainage to prevent water ponding.
- 5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 4'-0" oc.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1, 16 lb uplift at joint 7, 69 lb uplift at joint 2, 52 lb uplift at joint 6 and 49 lb uplift at joint 8.
- 10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925157
L265563	T01G	GABLE	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:05 2008 Page 1

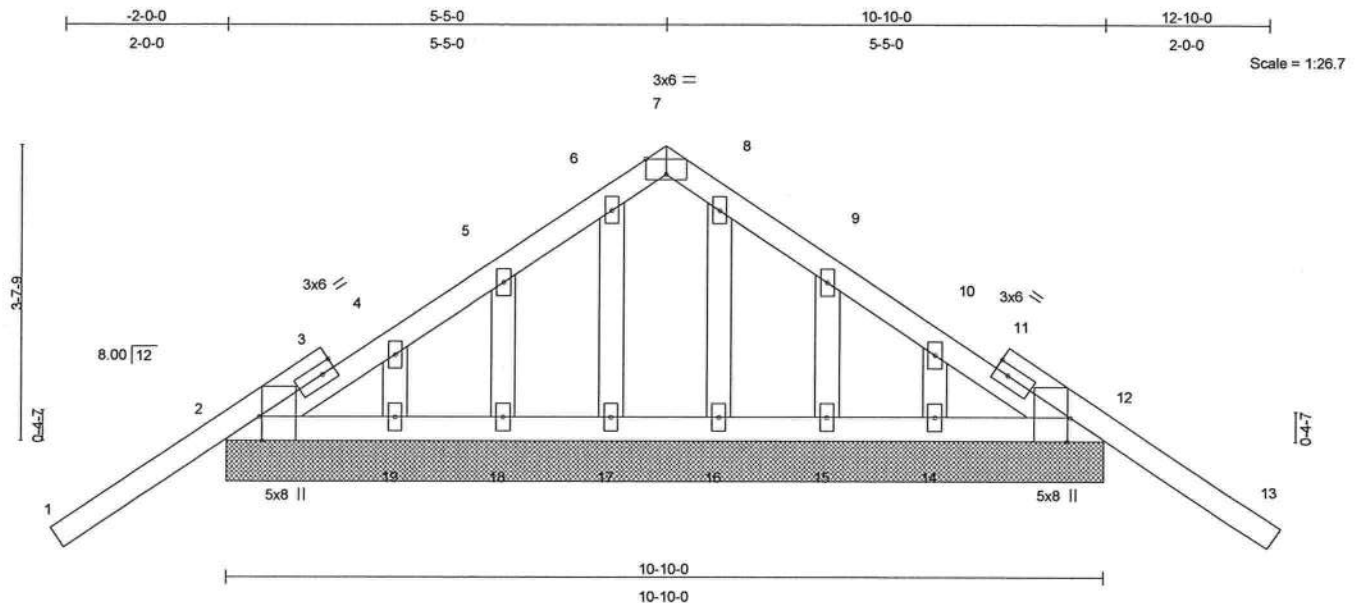


Plate Offsets (X,Y): [2:0-3-8,Edge], [7:0-3-0,Edge], [12:0-3-8,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.32	Vert(LL)	-0.03	13	n/r	120	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.07	Vert(TL)	-0.04	13	n/r	90		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.03	Horz(TL)	0.00	12	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 62 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=243/10-10-0, 12=243/10-10-0, 17=73/10-10-0, 18=99/10-10-0, 19=44/10-10-0, 16=73/10-10-0, 15=99/10-10-0, 14=44/10-10-0
Max Horz 2=-122(load case 4)
Max Uplift 2=-221(load case 6), 12=-235(load case 7), 17=-18(load case 5), 18=-111(load case 6), 19=-16(load case 7), 15=-114(load case 7), 14=-12(load case 6)
Max Grav 2=243(load case 1), 12=243(load case 1), 17=73(load case 1), 18=101(load case 10), 19=68(load case 2), 16=73(load case 1), 15=101(load case 11), 14=68(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/61, 2-3=-74/74, 3-4=-67/84, 4-5=-51/70, 5-6=-37/106, 6-7=-31/100, 7-8=-31/100, 8-9=-37/106, 9-10=-29/39, 10-11=-29/45, 11-12=-56/35, 12-13=0/61
BOT CHORD 2-19=-6/132, 18-19=-6/132, 17-18=-6/132, 16-17=-6/132, 15-16=-6/132, 14-15=-6/132, 12-14=-6/132
WEBS 6-17=-61/27, 5-18=-82/110, 4-19=-43/36, 8-16=-61/1, 9-15=-82/110, 10-14=-43/31

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JOINT STRESS INDEX

2 = 0.46, 3 = 0.00, 3 = 0.16, 4 = 0.02, 5 = 0.06, 6 = 0.03, 7 = 0.12, 8 = 0.03, 9 = 0.06, 10 = 0.02, 11 = 0.00, 11 = 0.16, 12 = 0.46, 14 = 0.02, 15 = 0.06, 16 = 0.02, 17 = 0.02, 18 = 0.06 and 19 = 0.02

Continued on page 2

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T01G	GABLE	1	1	J1925157
			Job Reference (optional)		

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:05 2008 Page 2

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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.
- 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 oc.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 2, 235 lb uplift at joint 12, 18 lb uplift at joint 17, 111 lb uplift at joint 18, 16 lb uplift at joint 19, 114 lb uplift at joint 15 and 12 lb uplift at joint 14.

LOAD CASE(S) Standard

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925158
L265563	T02G	GABLE	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 10 17:36:20 2008 Page 1

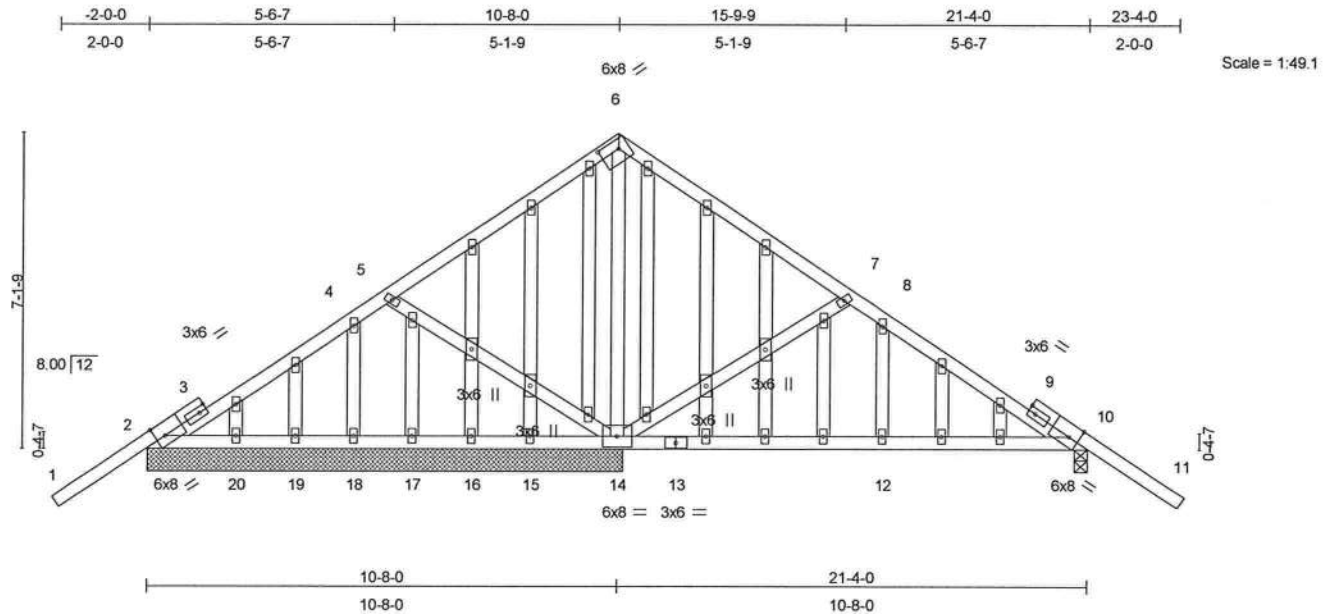


Plate Offsets (X,Y): [2:0-2-9,Edge], [6:0-5-4,0-2-8], [10:0-2-9,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.64	Vert(LL)	0.07	12-14	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.22	Vert(TL)	0.06	12-14	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.74	Horz(TL)	0.01	10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 175 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
 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=567/10-9-8, 14=1392/10-9-8, 15=-4/10-9-8, 16=21/10-9-8, 17=9/10-9-8, 18=293/10-9-8, 19=-16/10-9-8, 20=86/10-9-8, 10=462/0-3-8

Max Horz 2=-243(load case 4)

Max Uplift 2=-387(load case 6), 14=-1071(load case 7), 15=-17(load case 2), 16=-16(load case 5), 18=-204(load case 7), 19=-17(load case 10), 20=-52(load case 7), 10=-445(load case 7)

Max Grav 2=599(load case 10), 14=1392(load case 1), 15=69(load case 5), 16=64(load case 2), 17=32(load case 2), 18=293(load case 1), 19=32(load case 7), 20=90(load case 10), 10=485(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-79/128, 2-3=-323/172, 3-4=-208/106, 4-5=-220/162, 5-6=-237/347, 6-7=-275/378, 7-8=-319/353, 8-9=-378/503, 9-10=-476/474, 10-11=0/62

BOT CHORD 2-20=-177/188, 19-20=-177/188, 18-19=-177/188, 17-18=-177/188, 16-17=-177/188, 15-16=-177/188, 14-15=-177/188, 13-14=-258/356, 12-13=-258/356, 10-12=-258/356

WEBS 5-14=-312/401, 6-14=-900/860, 7-14=-547/783, 4-18=-272/235, 8-12=-275/173

JOINT STRESS INDEX

2 = 0.70, 3 = 0.00, 3 = 0.45, 4 = 0.34, 5 = 0.42, 6 = 0.94, 7 = 0.42, 8 = 0.34, 9 = 0.00, 9 = 0.45, 10 = 0.70, 12 = 0.34, 13 = 0.15, 14 = 0.25, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.61, 24 = 0.34, 25 = 0.61, 26 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.34, 32 = 0.34, 33 = 0.34, 34 = 0.61, 35 = 0.34, 36 = 0.34, 37 = 0.61, 38 = 0.34, 39 = 0.34, 40 = 0.34, 41 = 0.34, 42 = 0.34 and 43 = 0.34

Continued on page 2

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January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925158
L265563	T02G	GABLE	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 10 17:36:20 2008 Page 2

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 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.
- 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 1-4-0 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 387 lb uplift at joint 2, 1071 lb uplift at joint 14, 17 lb uplift at joint 15, 16 lb uplift at joint 16, 204 lb uplift at joint 18, 17 lb uplift at joint 19, 52 lb uplift at joint 20 and 445 lb uplift at joint 10.
- 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: 1-6=-114(F=-60), 6-7=-141(F=-87), 7-11=-54, 2-10=-10

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925159
L265563	T03	COMMON	9	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:08 2008 Page 1

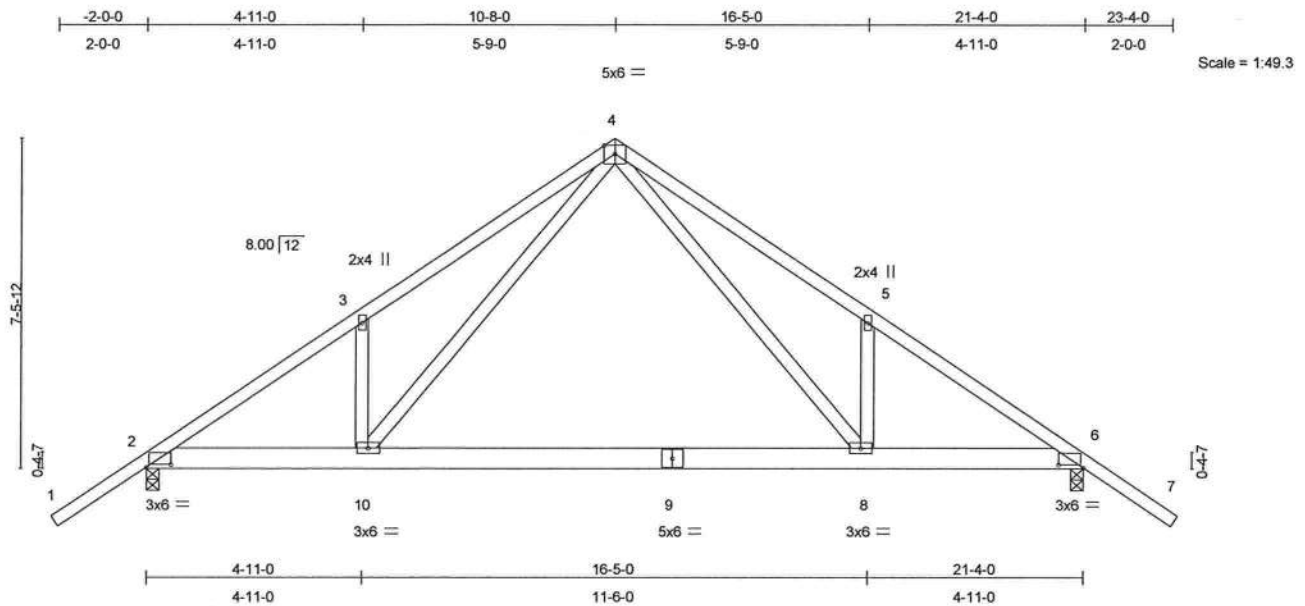


Plate Offsets (X,Y): [2:0-6-11,0-0-14], [6:0-6-11,0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.35	Vert(LL)	0.25 8-10	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.55	Vert(TL)	-0.48 8-10	>528	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.71	Horz(TL)	0.02 6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
Weight: 130 lb									

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1139/0-3-8, 6=1139/0-3-8
Max Horz 2=-194(load case 4)
Max Uplift 2=-336(load case 6), 6=-336(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/65, 2-3=-1810/731, 3-4=-1793/903, 4-5=-1793/903, 5-6=-1810/731, 6-7=0/65
BOT CHORD 2-10=-427/1429, 9-10=-116/797, 8-9=-116/797, 6-8=-427/1429
WEBS 3-10=-252/259, 4-10=-493/1023, 4-8=-493/1023, 5-8=-252/259

JOINT STRESS INDEX

2 = 0.78, 3 = 0.33, 4 = 0.50, 5 = 0.33, 6 = 0.78, 8 = 0.69, 9 = 0.86 and 10 = 0.69

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925159
L265563	T03	COMMON	9	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 336 lb uplift at joint 2 and 336 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=-54, 4-7=-54, 2-10=-10, 8-10=-70(F=-60), 6-8=-10

Julius Lars
Truss Design Engineer
Florida P.E. No. 34868
1409 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job L265563	Truss T04	Truss Type COMMON	Qty 1	Ply 2	0 0	J1925160
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

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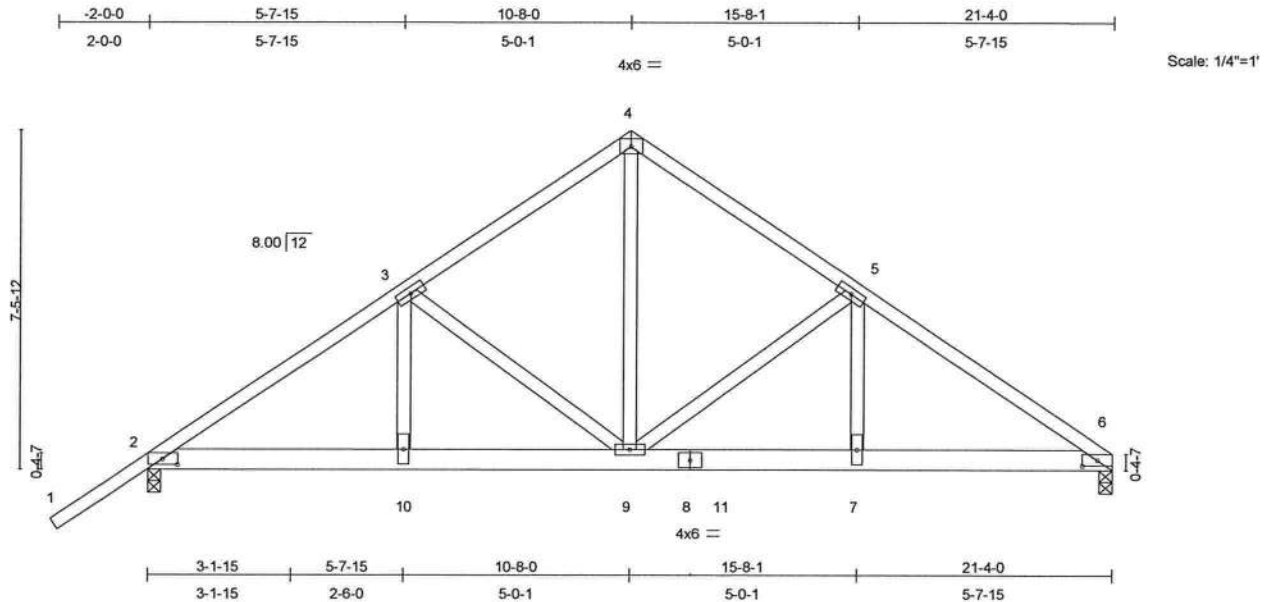


Plate Offsets (X,Y): [2:0-4-1,0-1-8], [6:0-4-1,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.33	Vert(LL)	-0.08	6-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.53	Vert(TL)	-0.15	6-7	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.45	Horz(TL)	0.03	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 259 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 6=3933/0-3-8, 2=1629/0-3-8
Max Horz 2=223(load case 4)
Max Uplift 6=-1103(load case 6), 2=-487(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/65, 2-3=-2424/606, 3-4=-2197/641, 4-5=-2202/633, 5-6=-4803/1329
BOT CHORD 2-10=-496/1935, 9-10=-496/1935, 8-9=-1036/3941, 8-11=-1036/3941,
7-11=-1036/3941, 6-7=-1036/3941
WEBS 3-10=-18/143, 3-9=-223/109, 4-9=-603/2090, 5-9=-2729/878, 5-7=-784/2784

JOINT STRESS INDEX

2 = 0.73, 3 = 0.81, 4 = 0.54, 5 = 0.81, 6 = 0.73, 7 = 0.44, 8 = 0.54, 9 = 0.64 and 10 = 0.44

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 6 - 2 rows 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.

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925160
L265563	T04	COMMON	1	2	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS;
Lumber DOL=1.60 plate grip DOL=1.60.
- 5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) All plates are 3x8 MT20 unless otherwise indicated.
- 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 1103 lb uplift at joint 6 and 487 lb uplift at joint 2.

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-11=-10, 6-11=-491(F=-481)

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T05	COMMON	1	1	J1925161
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 141 lb uplift at joint 2 and 144 lb uplift at joint 6.

LOAD CASE(S) Standard

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January 10, 2008

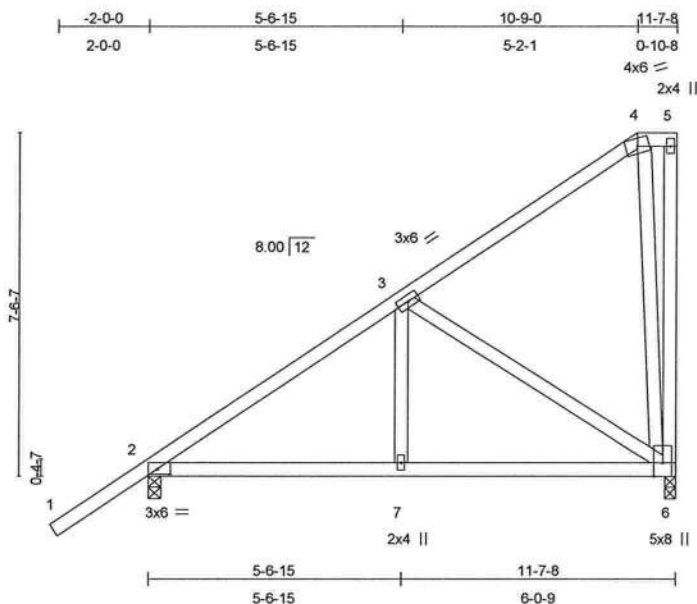
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925162
L265563	T06	MONO HIP	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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Scale: 1/4"=1'

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 0.30	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.17	Vert(TL)	-0.05	6-7	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.27	Horz(TL)	0.01	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 77 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) 6=351/0-3-0, 2=495/0-3-8
Max Horz 2=300(load case 6)
Max Uplift 6=-153(load case 6), 2=-133(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-443/0, 3-4=-116/39, 4-5=-8/3, 5-6=-113/87
BOT CHORD 2-7=-226/297, 6-7=-226/297
WEBS 3-7=0/193, 3-6=-319/235, 4-6=-240/275

JOINT STRESS INDEX

2 = 0.32, 3 = 0.14, 4 = 0.44, 5 = 0.21, 6 = 0.11 and 7 = 0.14

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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Truss Design Engineer
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Continued on page 2

January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T06	MONO HIP	1	1	J1925162
			Job Reference (optional)		

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:10 2008 Page 2

NOTES

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 6 and 133 lb uplift at joint 2.

LOAD CASE(S) Standard

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Truss Design Engineer
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January 10, 2008

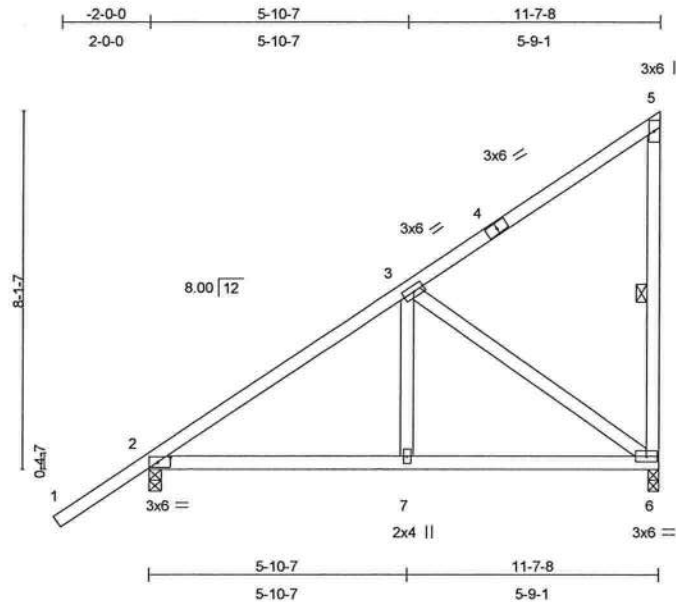
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925163
L265563	T07	MONO TRUSS	8	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:11 2008 Page 1



Scale = 1:49.4

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 0.30	Vert(LL)	-0.02	2-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.17	Vert(TL)	-0.04	2-7	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.28	Horz(TL)	0.01	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 68 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.
WEBS 1 Row at midpt 5-6

REACTIONS (lb/size) 6=351/0-3-0, 2=495/0-3-8

Max Horz 2=315(load case 6)

Max Uplift 6=-171(load case 6), 2=-123(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-437/0, 3-4=-109/0, 4-5=-78/59, 5-6=-125/137

BOT CHORD 2-7=-225/291, 6-7=-225/291

WEBS 3-7=0/193, 3-6=-341/262

JOINT STRESS INDEX

2 = 0.36, 3 = 0.14, 4 = 0.24, 5 = 0.23, 6 = 0.18 and 7 = 0.14

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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

Continued on page 2

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925163
L265563	T07	MONO TRUSS	8	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:11 2008 Page 2

NOTES

- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 6 and 123 lb uplift at joint 2.

LOAD CASE(S) Standard

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925164
L265563	T08G	GABLE	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:12 2008 Page 1

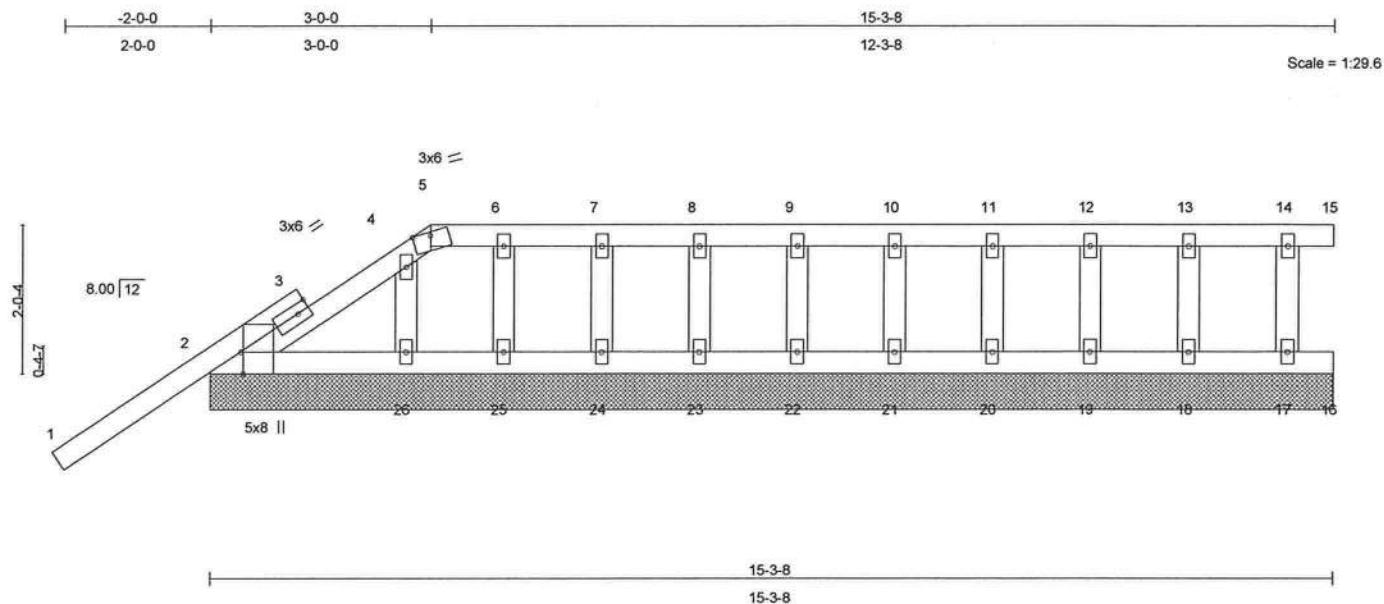


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	-0.00	1	n/r	120	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	-0.01	1	n/r	90	
BCLL 10.0	* Rep Stress Incr	NO	WB 0.02	Horz(TL)	-0.00	15	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 73 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" oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 15=10/15-3-8, 2=239/15-3-8, 16=1/15-3-8, 26=85/15-3-8, 25=88/15-3-8, 24=85/15-3-8, 23=85/15-3-8, 22=85/15-3-8, 21=85/15-3-8, 20=85/15-3-8, 19=85/15-3-8, 18=89/15-3-8, 17=68/15-3-8

Max Horz 2=166(load case 6)

Max Uplift 15=-8(load case 4), 2=-209(load case 6), 26=-29(load case 7), 25=-74(load case 4), 24=-49(load case 4), 23=-54(load case 4), 22=-53(load case 4), 21=-53(load case 4), 20=-53(load case 4), 19=-53(load case 4), 18=-56(load case 4), 17=-41(load case 4)

Max Grav 15=10(load case 11), 2=239(load case 1), 16=4(load case 2), 26=94(load case 2), 25=88(load case 1), 24=86(load case 11), 23=85(load case 1), 22=85(load case 11), 21=85(load case 1), 20=85(load case 11), 19=85(load case 1), 18=89(load case 11), 17=68(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/61, 2-3=-44/7, 3-4=-29/21, 4-5=-21/7, 5-6=0/0, 6-7=0/0, 7-8=0/0, 8-9=0/0, 9-10=0/0, 10-11=0/0, 11-12=0/0, 12-13=0/0, 13-14=0/0, 14-15=0/0

BOT CHORD 2-26=0/0, 25-26=0/0, 24-25=0/0, 23-24=0/0, 22-23=0/0, 21-22=0/0, 20-21=0/0, 19-20=0/0, 18-19=0/0, 17-18=0/0, 16-17=0/0

WEBS 4-26=-74/49, 6-25=-73/74, 7-24=-72/59, 8-23=-72/61, 9-22=-72/61, 10-21=-72/61, 11-20=-72/61, 12-19=-71/61, 13-18=-76/64, 14-17=-57/48

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 Truss Design Engineer
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 Boynton Beach, FL 33435

Continued on page 2

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T08G	GABLE	1	1	J1925164
					Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:12 2008 Page 2

JOINT STRESS INDEX

2 = 0.44, 3 = 0.00, 3 = 0.15, 4 = 0.04, 5 = 0.04, 6 = 0.04, 7 = 0.03, 8 = 0.03, 9 = 0.03, 10 = 0.03, 11 = 0.03, 12 = 0.03, 13 = 0.04, 14 = 0.03, 17 = 0.03, 18 = 0.04, 19 = 0.03, 20 = 0.03, 21 = 0.03, 22 = 0.03, 23 = 0.03, 24 = 0.03, 25 = 0.04 and 26 = 0.03

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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.
- 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 1-4-0 oc.
- 9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 15, 209 lb uplift at joint 2, 29 lb uplift at joint 26, 74 lb uplift at joint 25, 49 lb uplift at joint 24, 54 lb uplift at joint 23, 53 lb uplift at joint 22, 53 lb uplift at joint 21, 53 lb uplift at joint 20, 53 lb uplift at joint 19, 56 lb uplift at joint 18 and 41 lb uplift at joint 17.

LOAD CASE(S) Standard

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925165
L265563	T09	MONO HIP	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:13 2008 Page 1

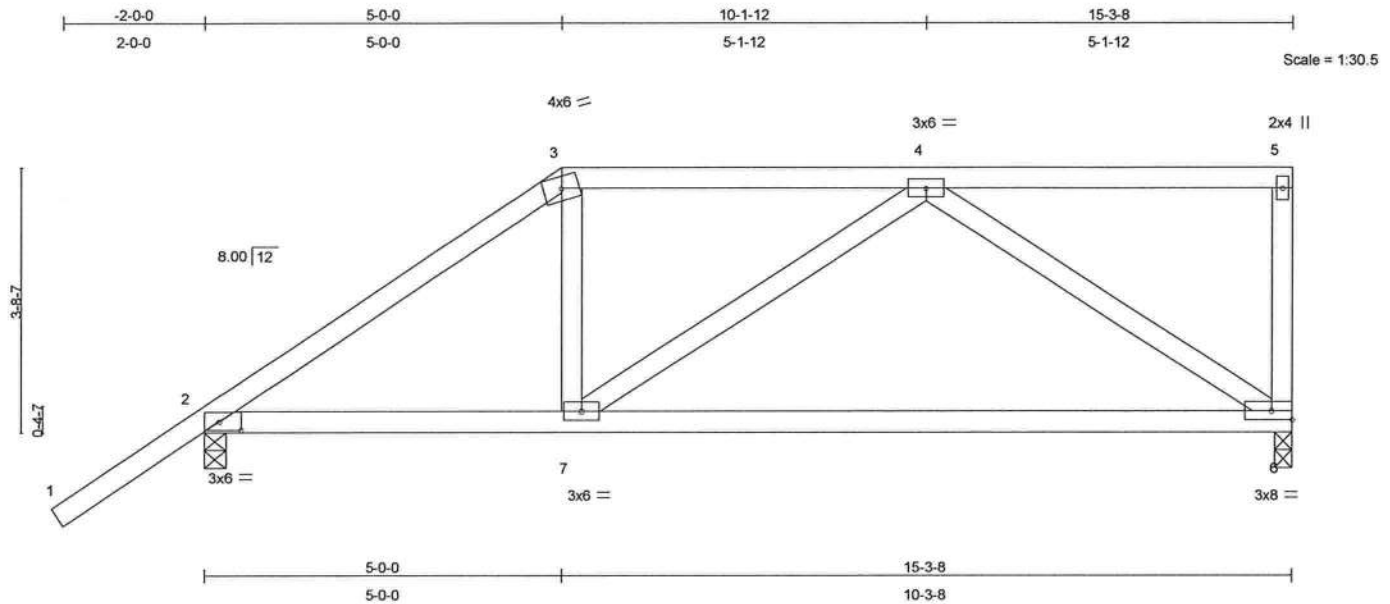


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.76	Vert(LL)	-0.18	6-7	>989	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.46	Vert(TL)	-0.32	6-7	>561	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.34	Horz(TL)	0.01	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 77 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) 6=471/0-3-0, 2=609/0-3-8
Max Horz 2=177(load case 6)
Max Uplift 6=-141(load case 4), 2=-184(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-667/251, 3-4=-487/263, 4-5=-79/4, 5-6=-127/93
BOT CHORD 2-7=-266/484, 6-7=-298/475
WEBS 3-7=0/193, 4-7=0/132, 4-6=-518/355

JOINT STRESS INDEX

2 = 0.43, 3 = 0.38, 4 = 0.16, 5 = 0.79, 6 = 0.62 and 7 = 0.12

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34888
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925165
L265563	T09	MONO HIP	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 6 and 184 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34868
1409 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925166
L265563	T10	SPECIAL	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

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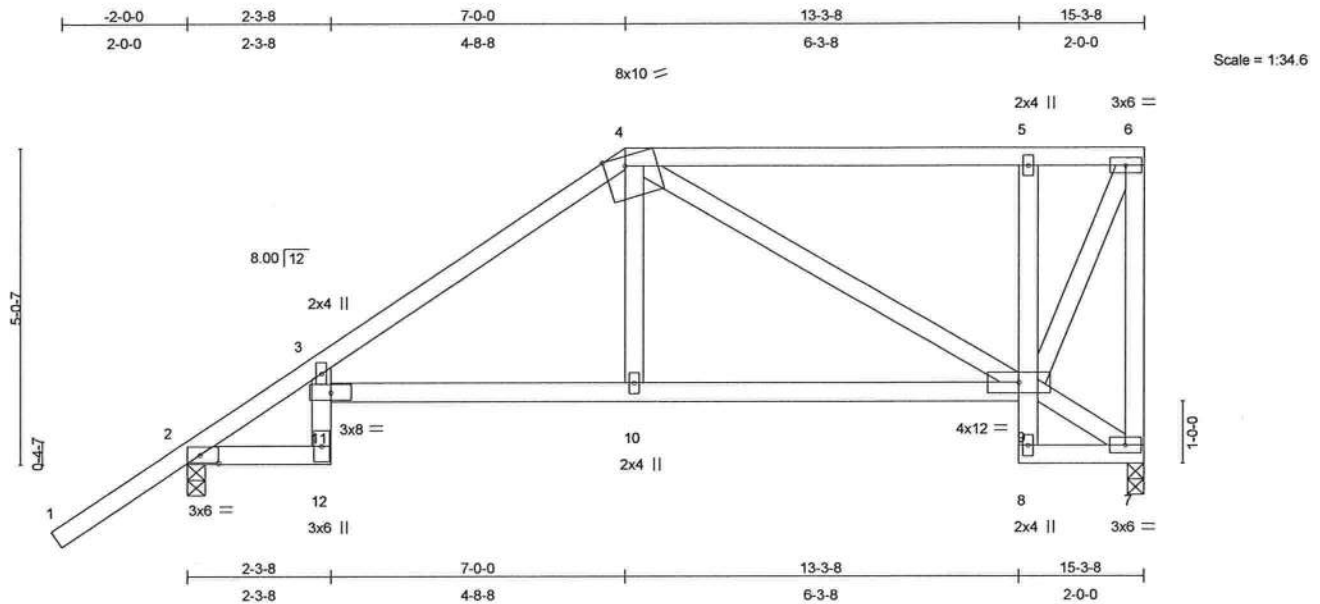


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-4-0,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.43	Vert(LL)	0.19 10-11	>950	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.68	Vert(TL)	-0.27 10-11	>675	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.35	Horz(TL)	0.14 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 *Except*
 5-8 2 X 4 SYP No.3
 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 6-0-0 oc
 bracing.

REACTIONS (lb/size) 7=471/0-3-0, 2=609/0-3-8
 Max Horz 2=220(load case 6)
 Max Uplift 7=-132(load case 5), 2=-186(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/62, 2-3=-661/162, 3-4=-672/313, 4-5=-226/130, 5-6=-203/118, 6-7=-437/251
 BOT CHORD 2-12=-247/437, 11-12=-12/84, 3-11=-2/91, 10-11=-348/548, 9-10=-348/554,
 8-9=0/19, 5-9=-254/198, 7-8=-59/44
 WEBS 4-10=-25/252, 4-9=-380/253, 6-9=-283/484, 7-9=-48/68

JOINT STRESS INDEX

2 = 0.53, 3 = 0.72, 4 = 0.68, 5 = 0.53, 6 = 0.42, 7 = 0.14, 8 = 0.09, 9 = 0.56, 10 = 0.18, 11 = 0.83 and 12 = 0.36

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Julius Lee
 Truss Design Engineer
 Florida PE No. 34868
 1100 Coastal Bay Blvd.
 Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T10	SPECIAL	1	1	J1925166
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:14 2008 Page 2

NOTES

- 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 132 lb uplift at joint 7 and 186 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lars
Truss Design Engineer
Florida PE No. 31869
1100 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925167
L265563	T11	SPECIAL	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

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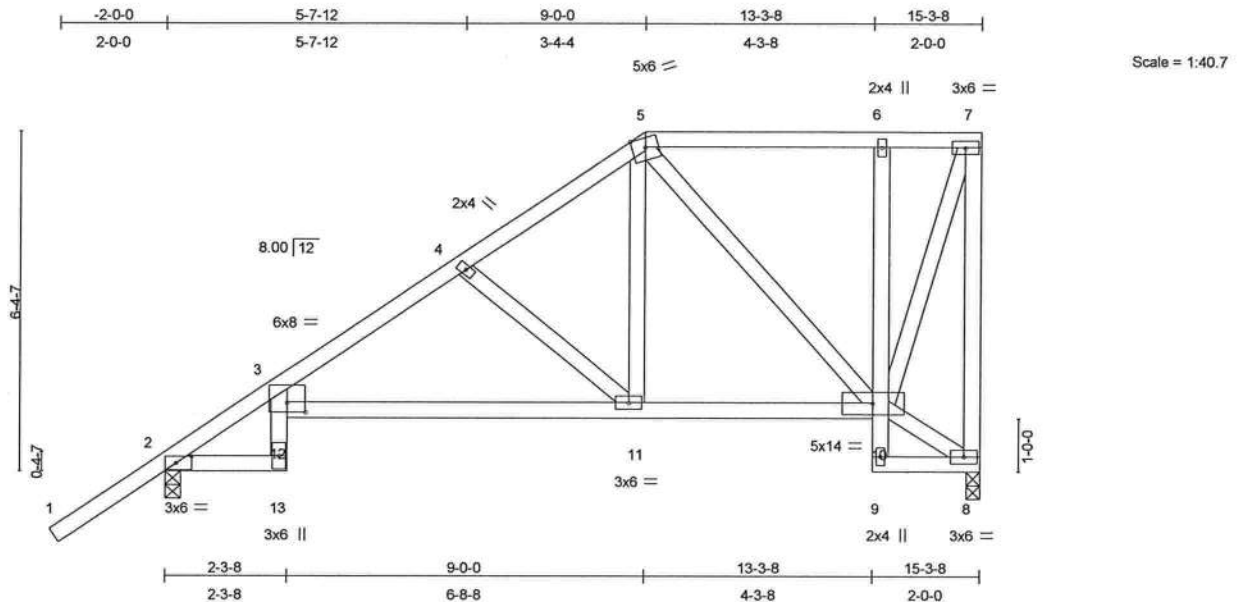


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-4-0,0-2-3]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.50	Vert(LL)	0.18 11-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.63	Vert(TL)	-0.28 11-12	>647	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.26	Horz(TL)	0.13 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 104 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 6-9 2 X 4 SYP No.3
 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 9-1-8 oc
 bracing.

REACTIONS (lb/size) 8=471/0-3-0, 2=609/0-3-8
 Max Horz 2=263(load case 6)
 Max Uplift 8=-133(load case 5), 2=-182(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-648/113, 3-4=-699/298, 4-5=-514/245, 5-6=-152/95, 6-7=-142/89,
 7-8=-433/276
 BOT CHORD 2-13=-258/417, 12-13=-14/90, 3-12=0/156, 11-12=-427/595, 10-11=-237/362,
 9-10=0/24, 6-10=-200/150, 8-9=-38/50
 WEBS 4-11=-291/239, 5-11=-152/347, 5-10=-319/216, 7-10=-276/437, 8-10=-55/42

JOINT STRESS INDEX

2 = 0.47, 3 = 0.82, 4 = 0.13, 5 = 0.20, 6 = 0.30, 7 = 0.41, 8 = 0.14, 9 = 0.09, 10 = 0.35, 11 = 0.22, 12 = 0.00 and 13 = 0.37

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.

Continued on page 2

Julius Lars
 Truss Design Engineer
 Florida PE No. 27868
 1199 Coastal Bay Blvd
 Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925167
L265563	T11	SPECIAL	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:14 2008 Page 2

NOTES

- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 133 lb uplift at joint 8 and 182 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 31808
1100 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

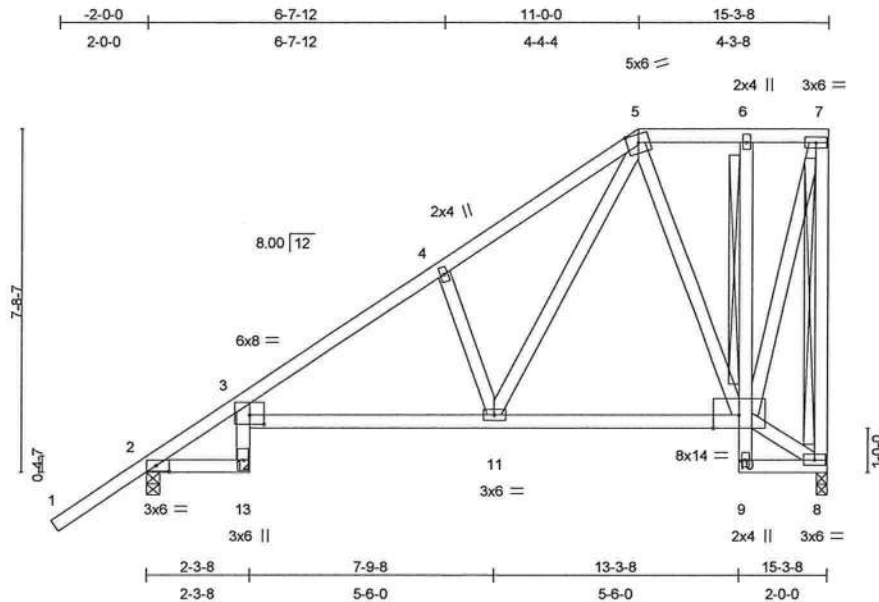
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925168
L265563	T12	SPECIAL	1	1	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:15 2008 Page 1



Scale = 1:48.8

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-4-0,0-2-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	0.21 11-12	>851	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.67	Vert(TL)	-0.29 11-12	>616	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.29	Horz(TL)	0.14 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 113 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 6-9 2 X 4 SYP No.3
 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 6-0-0 oc bracing. Except:
 T-Brace: 2 X 4 SYP No.3 - 6-10
 WEBS T-Brace: 2 X 4 SYP No.3 - 7-8
 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 8=471/0-3-0, 2=609/0-3-8
 Max Horz 2=305(load case 6)
 Max Uplift 8=-139(load case 6), 2=-171(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/62, 2-3=-657/68, 3-4=-661/225, 4-5=-619/317, 5-6=-110/69, 6-7=-107/69, 7-8=-438/289
 BOT CHORD 2-13=-283/431, 12-13=-14/86, 3-12=0/115, 11-12=-403/545, 10-11=-165/225, 9-10=0/20, 6-10=-97/69, 8-9=-47/36
 WEBS 4-11=-308/283, 5-11=-324/488, 5-10=-323/267, 7-10=-259/401, 8-10=-38/52

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 Truss Design Engineer
 Florida PE No. 34869
 1100 Coastal Bay Blvd.
 Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.48, 3 = 0.94, 4 = 0.15, 5 = 0.26, 6 = 0.12, 7 = 0.39, 8 = 0.15, 9 = 0.06, 10 = 0.12, 11 = 0.39, 12 = 0.00 and 13 = 0.36

Continued on page 2

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T12	SPECIAL	1	1	J1925168
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:15 2008 Page 2

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 139 lb uplift at joint 8 and 171 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lane
Truss Design Engineer
Florida P.E. No. 34868
1300 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925169
L265563	T13	SPECIAL	1	1	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:16 2008 Page 1

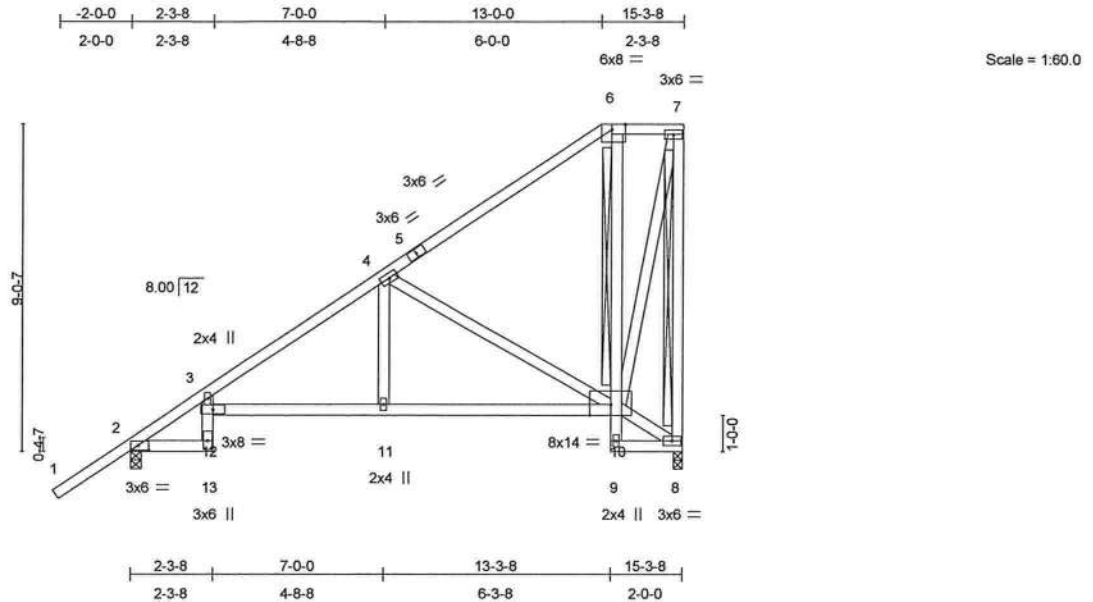


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [6:0-4-8,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.41	Vert(LL)	0.20 11-12	>894	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.68	Vert(TL)	-0.26 11-12	>685	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.49	Horz(TL)	0.14 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 110 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 6-0-0 oc bracing. Except:
T-Brace: 2 X 4 SYP No.3 - 6-10
WEBS T-Brace: 2 X 4 SYP No.3 - 7-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=471/0-3-0, 2=609/0-3-8
Max Horz 2=349(load case 6)
Max Uplift 8=-185(load case 6), 2=-153(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-661/15, 3-4=-678/175, 4-5=-231/0, 5-6=-128/12, 6-7=-96/69, 7-8=-434/296
BOT CHORD 2-13=-299/438, 12-13=-14/83, 3-12=-7/85, 11-12=-414/552, 10-11=-414/552, 9-10=0/18, 6-10=-177/198, 8-9=-75/44
WEBS 4-11=-34/255, 4-10=-513/387, 7-10=-317/437, 8-10=-49/86

Julius Lee
Truss Design Engineer
Florida PE No. 34888
1100 Coastal Bay Blvd.
Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.47, 3 = 0.63, 4 = 0.19, 5 = 0.29, 6 = 0.77, 7 = 0.43, 8 = 0.15, 9 = 0.08, 10 = 0.14, 11 = 0.18, 12 = 0.85 and 13 = 0.36

Continued on page 2

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T13	SPECIAL	1	1	J1925169
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:16 2008 Page 2

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 8 and 153 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lane
Truss Design Engineer
Florida P.E. No. 34889
1409 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

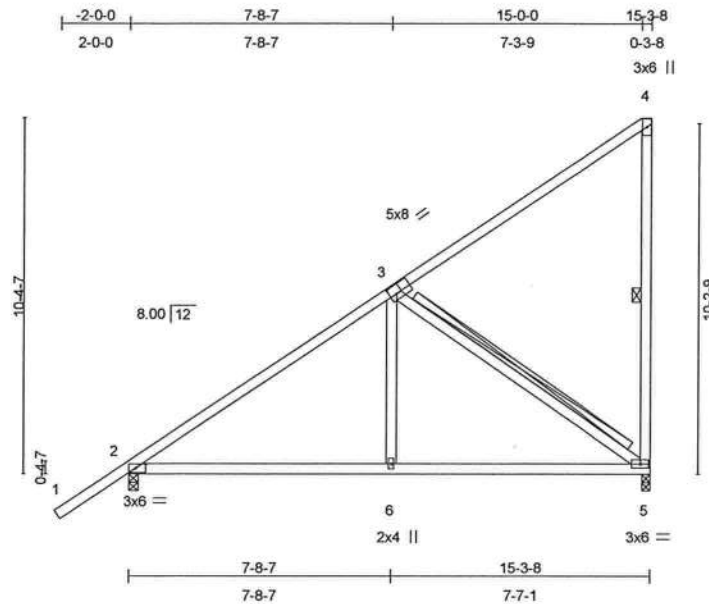
Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925170
L265563	T14	MONO HIP	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

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Scale: 3/16"=1'

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	-0.06	2-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.30	Vert(TL)	-0.13	2-6	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.23	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 89 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.
WEBS 1 Row at midpt 4-5
T-Brace: 2 X 4 SYP No.3 - 3-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=471/0-3-0, 2=609/0-3-8
Max Horz 2=393(load case 6)
Max Uplift 5=-233(load case 6), 2=-126(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-592/0, 3-4=-141/75, 4-5=-157/165
BOT CHORD 2-6=-299/398, 5-6=-301/395
WEBS 3-6=0/261, 3-5=-472/359

JOINT STRESS INDEX

2 = 0.45, 3 = 0.79, 4 = 0.32, 5 = 0.27 and 6 = 0.18

Julius Lee
Truss Design Engineer
Florida PE No. 34868
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T14	MONO HIP	1	1	J1925170
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 233 lb uplift at joint 5 and 126 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925171
L265563	T15	MONO HIP	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

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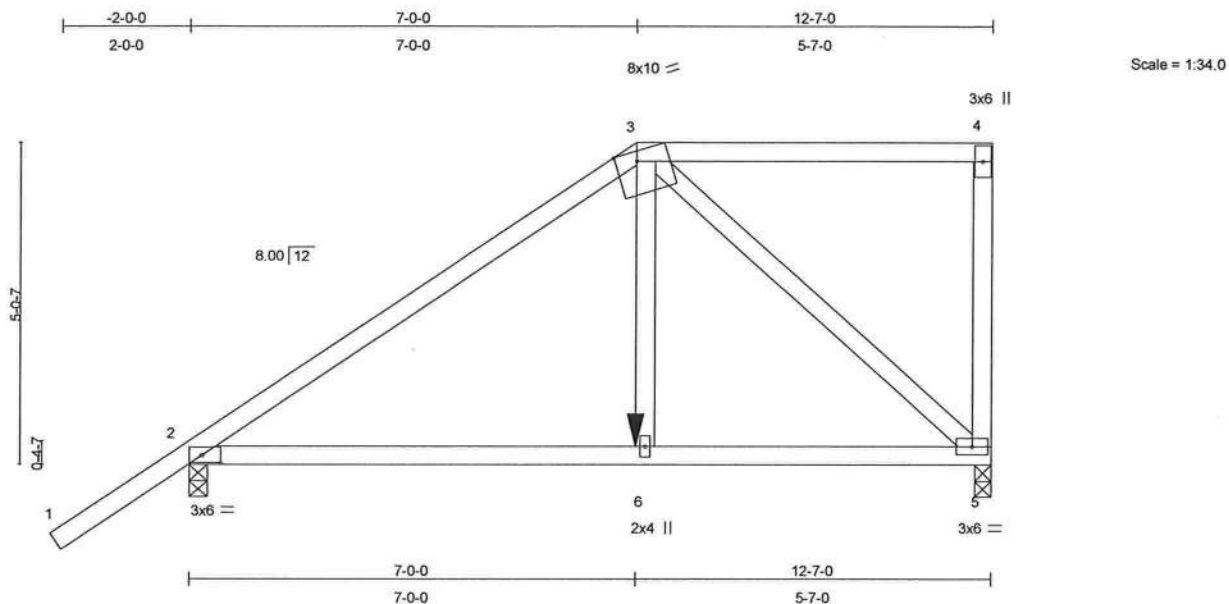


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-4-0,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.64	Vert(LL)	-0.05	2-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.29	Vert(TL)	-0.10	2-6	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.76	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 67 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" oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 5=937/0-3-0, 2=792/0-3-8

Max Horz 2=221(load case 5)

Max Uplift 5=-458(load case 4), 2=-340(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-937/354, 3-4=-53/38, 4-5=-300/245

BOT CHORD 2-6=-340/694, 5-6=-346/710

WEBS 3-6=-189/504, 3-5=-872/431

JOINT STRESS INDEX

2 = 0.55, 3 = 0.82, 4 = 0.48, 5 = 0.41 and 6 = 0.36

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 458 lb uplift at joint 5 and 340 lb uplift at joint 2.

Julius Lane
Truss Design Engineer
Florida PE No. 31898
1169 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T15	MONO HIP	1	1	J1925171
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

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NOTES

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: 1-3=-54, 3-4=-118(F=-64), 2-6=-10, 5-6=-22(F=-12)

Concentrated Loads (lb)

Vert: 6=-411(F)

Julius Lane
Truss Design Engineer
Florida PE No. 3-1868
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Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925172
L265563	T16	MONO HIP	2	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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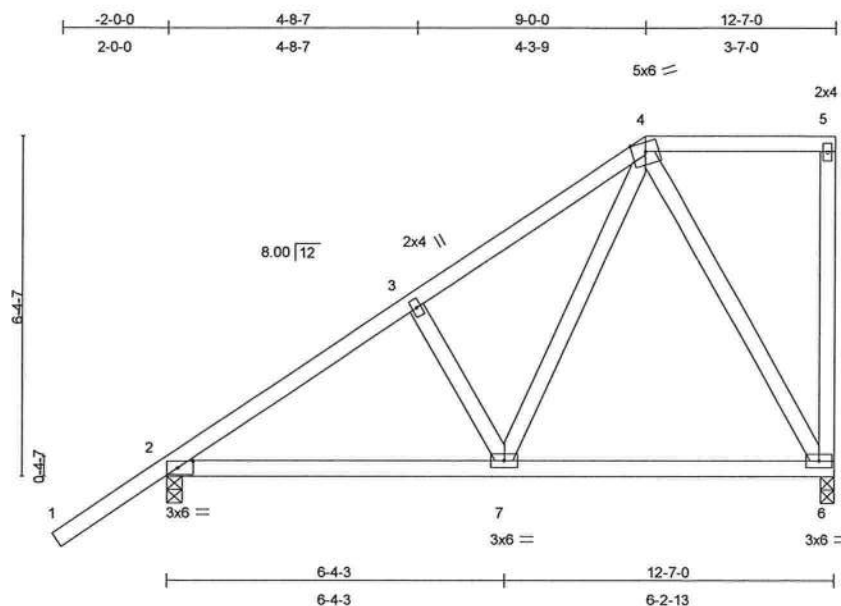


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	-0.03	2-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.19	Vert(TL)	-0.05	2-7	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.27	Horz(TL)	0.01	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 77 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) 6=382/0-3-0, 2=524/0-3-8
Max Horz 2=263(load case 6)
Max Uplift 6=-110(load case 6), 2=-161(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-503/102, 3-4=-383/142, 4-5=-11/1, 5-6=-76/57
BOT CHORD 2-7=-271/354, 6-7=-128/164
WEBS 3-7=-189/195, 4-7=-124/280, 4-6=-318/256

JOINT STRESS INDEX

2 = 0.52, 3 = 0.11, 4 = 0.32, 5 = 0.22, 6 = 0.21 and 7 = 0.23

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 31808
1100 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925172
L265563	T16	MONO HIP	2	1		Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

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NOTES

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 6 and 161 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida P.E. No. 34808
1150 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925173
L265563	T17	MONO HIP	2	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

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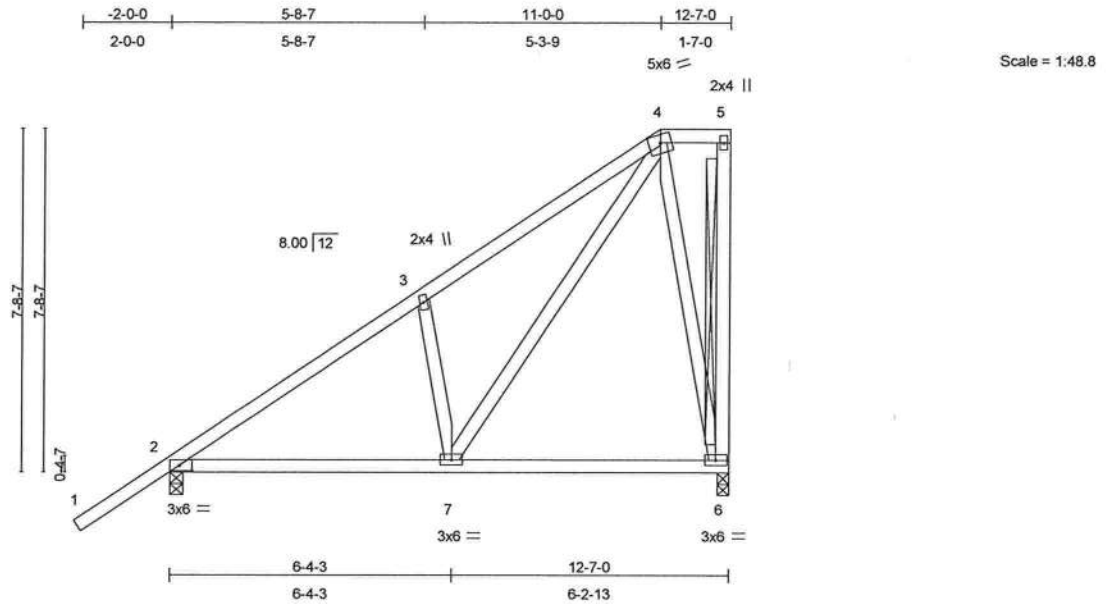


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	-0.03	2-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.05	2-7	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.39	Horz(TL)	0.00	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 84 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.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-6
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 6=382/0-3-0, 2=524/0-3-8
Max Horz 2=305(load case 6)
Max Uplift 6=-152(load case 6), 2=-142(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-487/27, 3-4=-428/167, 4-5=-8/0, 5-6=-44/28
BOT CHORD 2-7=-257/332, 6-7=-66/77
WEBS 3-7=-269/282, 4-7=-267/392, 4-6=-386/352

JOINT STRESS INDEX

2 = 0.44, 3 = 0.15, 4 = 0.31, 5 = 0.18, 6 = 0.27 and 7 = 0.29

Julius Lars
Truss Design Engineer
Florida PE No. 34888
1169 Coastal Bay Blvd
Boynton Beach, FL 33435

Continued on page 2

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925173
L265563	T17	MONO HIP	2	1		
						Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

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NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 152 lb uplift at joint 6 and 142 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lars
Truss Design Engineer
Florida PE No. 31868
1109 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925174
L265563	T18	MONO TRUSS	6	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:19 2008 Page 1

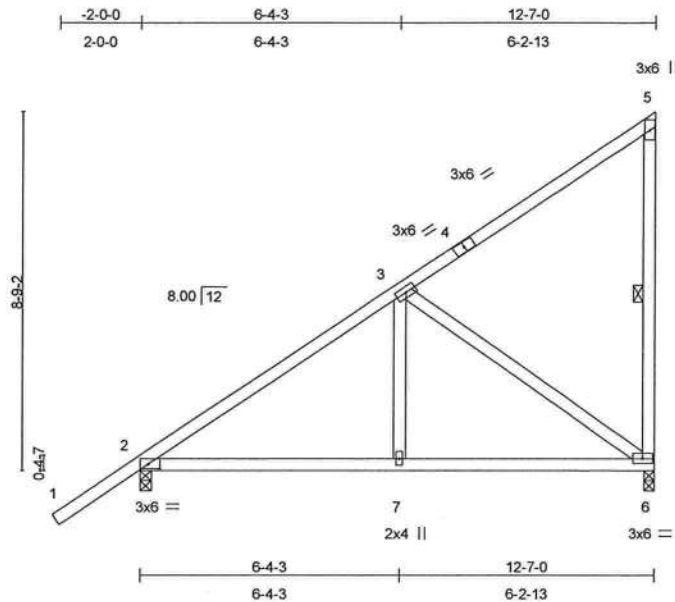


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	-0.03	2-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.06	2-7	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.36	Horz(TL)	0.01	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 74 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.
WEBS 1 Row at midpt 5-6

REACTIONS (lb/size) 6=382/0-3-0, 2=524/0-3-8
Max Horz 2=335(load case 6)
Max Uplift 6=-187(load case 6), 2=-124(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-479/0, 3-4=-118/0, 4-5=-84/64, 5-6=-135/146
BOT CHORD 2-7=-247/321, 6-7=-247/321
WEBS 3-7=0/210, 3-6=-376/288

JOINT STRESS INDEX

2 = 0.38, 3 = 0.16, 4 = 0.09, 5 = 0.26, 6 = 0.19 and 7 = 0.15

NOTES

- Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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.
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida P.E. No. 24886
1400 Coastal Bay Blvd.
Boynton Beach, FL 33435

Continued on page 2

January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T18	MONO TRUSS	6	1	J1925174
					Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:19 2008 Page 2

NOTES

- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 187 lb uplift at joint 6 and 124 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 24884
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925175
L265563	T19G	GABLE	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:20 2008 Page 1

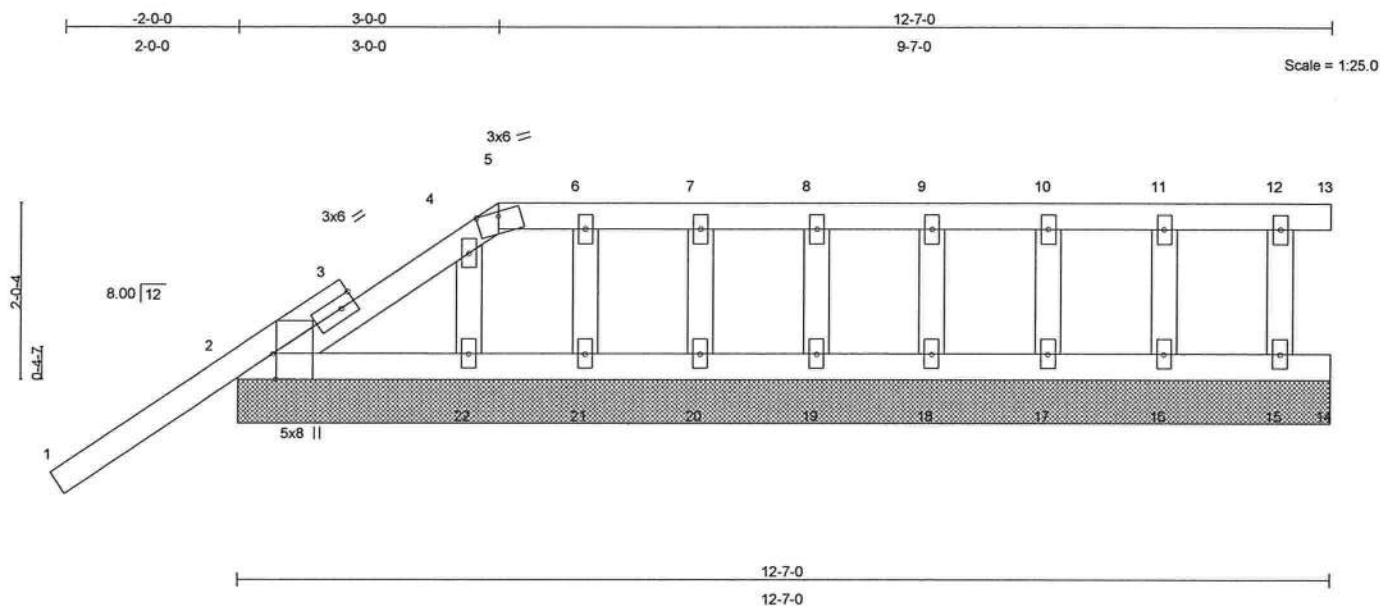


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	-0.01	1	n/r	90		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.02	Horz(TL)	-0.00	13	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 60 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) 13=8/12-7-0, 2=239/12-7-0, 14=1/12-7-0, 22=85/12-7-0, 21=88/12-7-0, 20=85/12-7-0, 19=85/12-7-0, 18=85/12-7-0, 17=85/12-7-0, 16=90/12-7-0, 15=67/12-7-0
Max Horz 2=166(load case 6)
Max Uplift 13=-7(load case 4), 2=-209(load case 6), 22=-29(load case 7), 21=-74(load case 4), 20=-49(load case 4), 19=-54(load case 4), 18=-53(load case 4), 17=-53(load case 4), 16=-56(load case 4), 15=-41(load case 4)
Max Grav 13=8(load case 11), 2=239(load case 1), 14=3(load case 2), 22=94(load case 2), 21=88(load case 1), 20=86(load case 11), 19=85(load case 1), 18=86(load case 11), 17=85(load case 1), 16=90(load case 11), 15=67(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/61, 2-3=-44/7, 3-4=-29/21, 4-5=-21/7, 5-6=0/0, 6-7=0/0, 7-8=0/0, 8-9=0/0, 9-10=0/0, 10-11=0/0, 11-12=0/0, 12-13=0/0
BOT CHORD 2-22=0/0, 21-22=0/0, 20-21=0/0, 19-20=0/0, 18-19=0/0, 17-18=0/0, 16-17=0/0, 15-16=0/0, 14-15=0/0
WEBS 4-22=-74/49, 6-21=-73/79, 7-20=-72/59, 8-19=-72/62, 9-18=-72/61, 10-17=-71/61, 11-16=-76/65, 12-15=-56/47

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Truss Design Engineer
Florida P.E. No. 34888
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

Continued on page 2

January 10, 2008

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This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T19G	GABLE	1	1	J1925175
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:20 2008 Page 2

JOINT STRESS INDEX

2 = 0.45, 3 = 0.00, 3 = 0.15, 4 = 0.04, 5 = 0.04, 6 = 0.04, 7 = 0.03, 8 = 0.03, 9 = 0.03, 10 = 0.03, 11 = 0.04, 12 = 0.03, 15 = 0.03, 16 = 0.04, 17 = 0.03, 18 = 0.03, 19 = 0.03, 20 = 0.03, 21 = 0.04 and 22 = 0.03

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDF=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.
- 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 1-4-0 oc.
- 9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 13, 209 lb uplift at joint 2, 29 lb uplift at joint 22, 74 lb uplift at joint 21, 49 lb uplift at joint 20, 54 lb uplift at joint 19, 53 lb uplift at joint 18, 53 lb uplift at joint 17, 56 lb uplift at joint 16 and 41 lb uplift at joint 15.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34883
1109 Coastal Bay Blvd.
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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925176
L265563	T20	MONO HIP	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:21 2008 Page 1

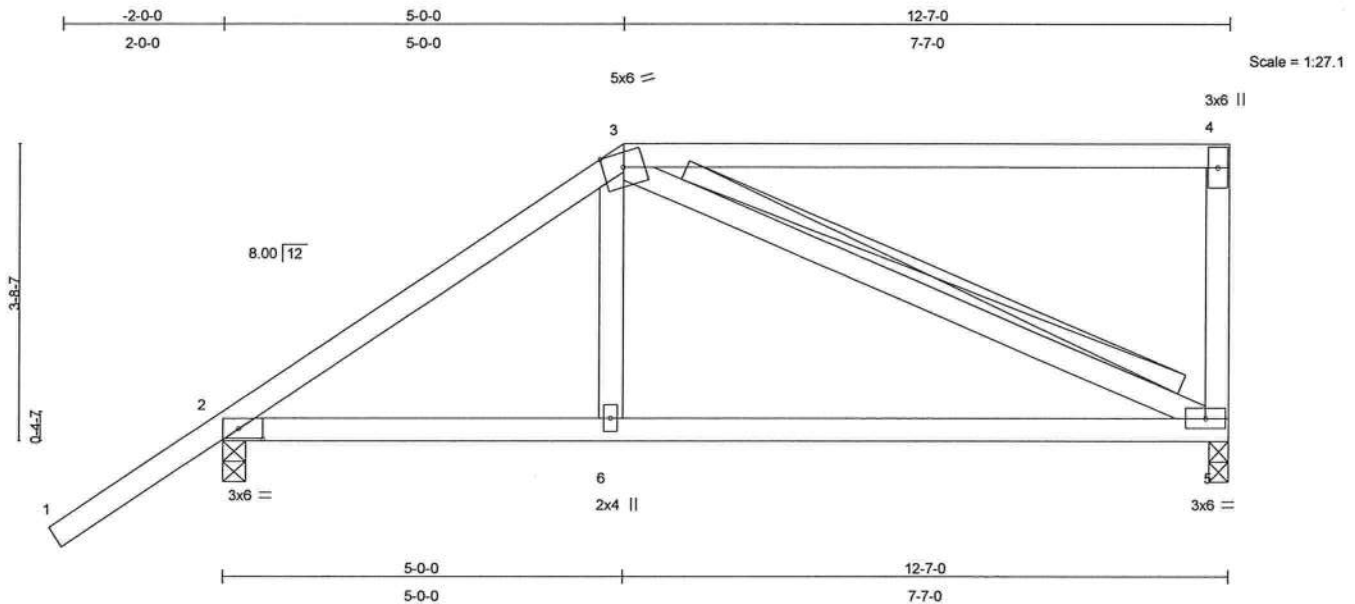


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.72	Vert(LL)	-0.06	5-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.28	Vert(TL)	-0.11	5-6	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.13	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 64 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.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 5=382/0-3-0, 2=524/0-3-8
Max Horz 2=177(load case 6)
Max Uplift 5=-108(load case 5), 2=-173(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-526/202, 3-4=-80/50, 4-5=-200/167
BOT CHORD 2-6=-238/381, 5-6=-242/379
WEBS 3-6=0/207, 3-5=-330/211

JOINT STRESS INDEX

2 = 0.61, 3 = 0.69, 4 = 0.54, 5 = 0.54 and 6 = 0.15

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Continued on page 2

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T20	MONO HIP	1	1	J1925176
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 108 lb uplift at joint 5 and 173 lb uplift at joint 2.

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 2-18888
1100 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

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Job L265563	Truss T21	Truss Type MONO HIP	Qty 1	Ply 1	0 0	J1925177
Builders First Source, Jacksonville, Florida 32244						6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:21 2008 Page 1
Job Reference (optional)						

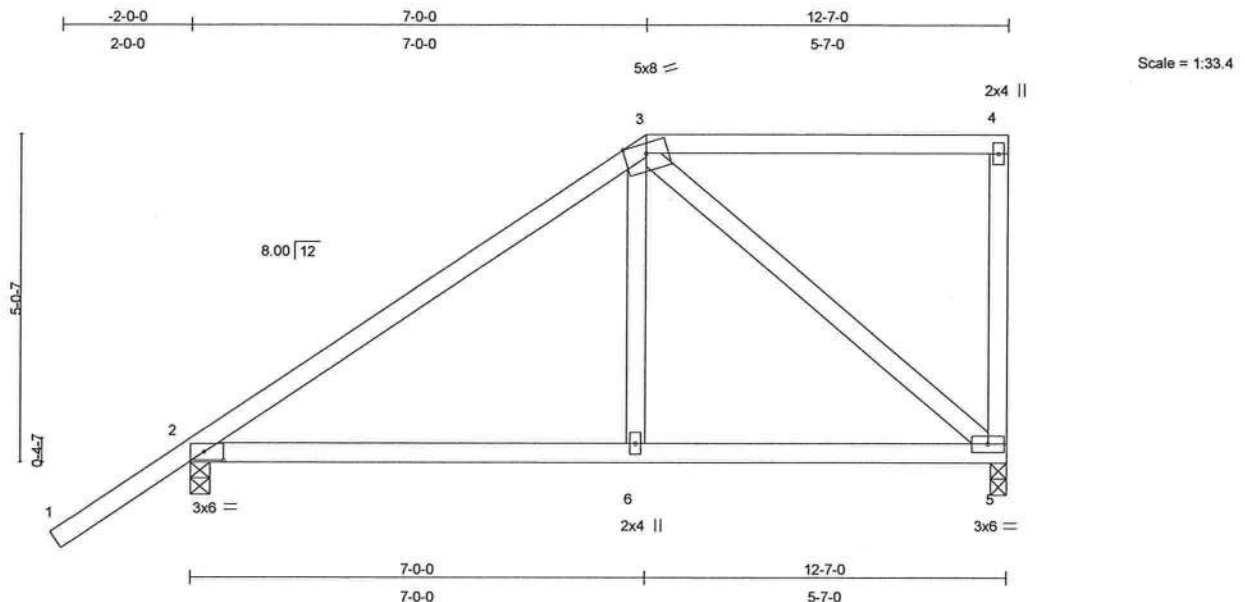


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	-0.04	2-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.09	2-6	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.34	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 67 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) 5=382/0-3-0, 2=524/0-3-8
Max Horz 2=220(load case 6)
Max Uplift 5=-108(load case 5), 2=-171(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-460/134, 3-4=-17/15, 4-5=-119/96
BOT CHORD 2-6=-202/295, 5-6=-203/292
WEBS 3-6=0/213, 3-5=-366/257

JOINT STRESS INDEX

2 = 0.41, 3 = 0.51, 4 = 0.56, 5 = 0.16 and 6 = 0.15

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34868
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January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925177
L265563	T21	MONO HIP	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville ,Florida 32244

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NOTES

- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 5 and 171 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Larr
Truss Design Engineer
Florida PE No. 34889
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925178
L265563	T22G	GABLE	1	1		
Builders First Source, Jacksonville, Florida 32244						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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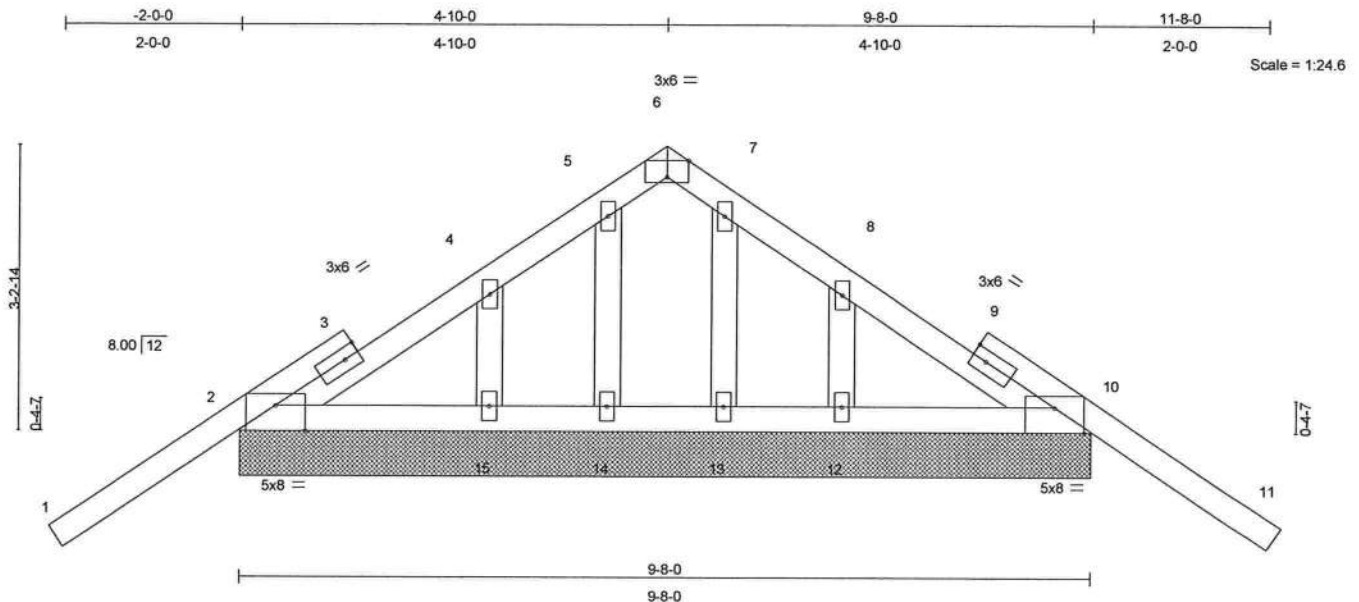


Plate Offsets (X,Y): [2:0-4-0,0-3-7], [6:0-3-0,Edge], [10:0-4-0,0-3-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.32	Vert(LL)	-0.03	11	n/r	120	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	-0.04	11	n/r	90		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.02	Horz(TL)	0.00	10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 53 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 6-0-0 oc bracing.

REACTIONS (lb/size) 2=245/9-8-0, 10=245/9-8-0, 14=76/9-8-0, 15=101/9-8-0, 13=76/9-8-0, 12=101/9-8-0
Max Horz 2=108(load case 5)
Max Uplift 2=-217(load case 6), 10=-231(load case 7), 14=-36(load case 6), 15=-58(load case 7), 13=-16(load case 7), 12=-51(load case 6)
Max Grav 2=245(load case 1), 10=245(load case 1), 14=76(load case 1), 15=101(load case 2), 13=76(load case 1), 12=101(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/61, 2-3=-55/68, 3-4=-45/80, 4-5=-32/98, 5-6=-27/100, 6-7=-27/100, 7-8=-32/98, 8-9=-12/55, 9-10=-54/36, 10-11=0/61
BOT CHORD 2-15=-7/122, 14-15=-7/122, 13-14=-7/122, 12-13=-7/122, 10-12=-7/122
WEBS 5-14=-62/30, 4-15=-87/76, 7-13=-62/9, 8-12=-87/69

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JOINT STRESS INDEX

2 = 0.70, 3 = 0.00, 3 = 0.16, 4 = 0.04, 5 = 0.03, 6 = 0.12, 7 = 0.03, 8 = 0.04, 9 = 0.00, 9 = 0.16, 10 = 0.70, 12 = 0.04, 13 = 0.02, 14 = 0.02 and 15 = 0.04

NOTES

1) Unbalanced roof live loads have been considered for this design.

Continued on page 2

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925178
L265563	T22G	GABLE	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:22 2008 Page 2

NOTES

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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.
- 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 oc.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 2, 231 lb uplift at joint 10, 36 lb uplift at joint 14, 58 lb uplift at joint 15, 16 lb uplift at joint 13 and 51 lb uplift at joint 12.

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 24868
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January 10, 2008

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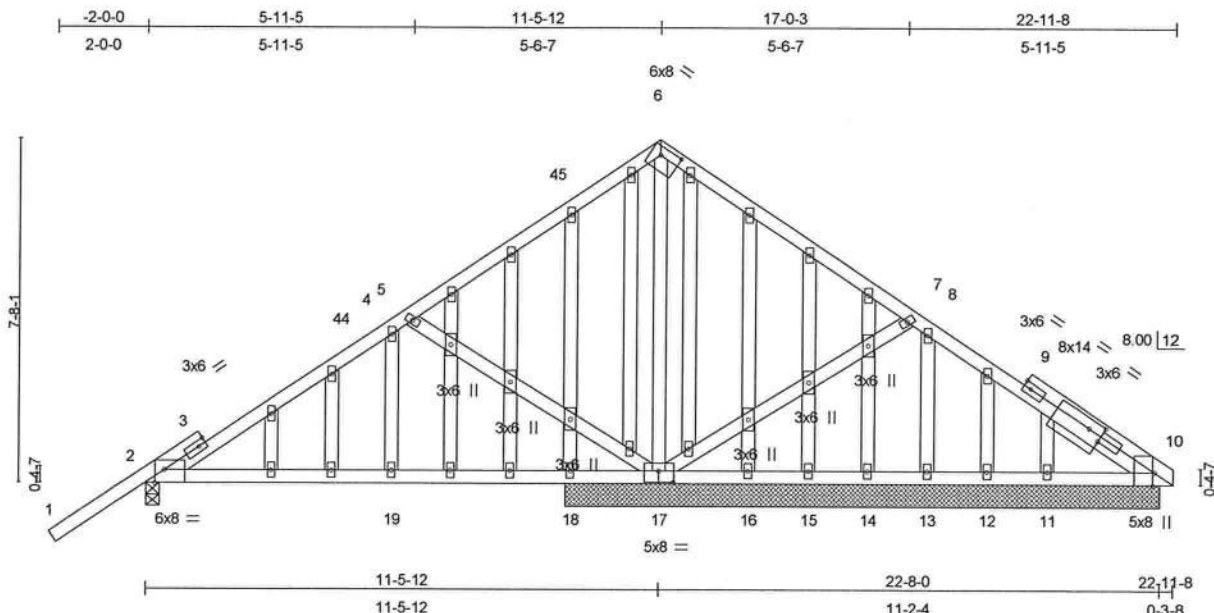


Job	Truss	Truss Type	Qty	Ply	0 0	J1925179
L265563	T23G	GABLE	1	1		

Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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Scale: 1/4"=1'

Plate Offsets (X,Y): [2:0-2-9,Edge], [6:0-5-4,0-2-4], [9:0-3-12,0-1-8], [10:0-3-8,Edge], [17:0-4-0,0-3-0], [29:1-5-5,0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.69	Vert(LL)	0.06	2-19	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.25	Vert(TL)	-0.04	2-19	>999	240		
BCLL 10.0	Rep Stress Incr	NO	WB 0.87	Horz(TL)	-0.01	2	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 196 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
 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 6-0-0 oc bracing.
 Except:
 10-0-0 oc bracing: 2-19,18-19
 9-7-6 oc bracing: 17-18.

REACTIONS (lb/size) 10=249/13-3-8, 17=1373/13-3-8, 16=20/13-3-8, 15=12/13-3-8, 14=10/13-3-8, 13=488/13-3-8, 12=48/13-3-8, 11=133/13-3-8, 18=35/13-3-8, 2=526/0-3-8

Max Horz 18=286(load case 5)

Max Uplift 10=-147(load case 7), 17=-1062(load case 7), 13=-351(load case 7), 12=-48(load case 1), 11=-87(load case 7), 18=-49(load case 4), 2=-476(load case 6)

Max Grav 10=289(load case 11), 17=1373(load case 1), 16=57(load case 2), 15=35(load case 2), 14=39(load case 2), 13=494(load case 11), 12=58(load case 7), 11=133(load case 1), 18=95(load case 2), 2=540(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 6-7=-269/370, 7-8=-173/88, 8-9=-163/180, 9-10=-247/59, 1-2=0/62, 2-3=-555/528, 3-4=-430/542, 4-44=-421/547, 4-5=-346/384, 5-45=-152/178, 6-45=-286/384

BOT CHORD 2-19=-306/420, 18-19=-306/420, 17-18=-430/420, 16-17=-51/107, 15-16=-51/107, 14-15=-51/107, 13-14=-51/107, 12-13=-51/107, 11-12=-51/107, 10-11=-51/107

WEBS 7-17=-213/300, 6-17=-914/877, 5-17=-656/893, 8-13=-464/440, 4-19=-236/153

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 Truss Design Engineer
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 Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.53, 3 = 0.00, 3 = 0.23, 4 = 0.34, 5 = 0.48, 6 = 0.94, 7 = 0.34, 8 = 0.34, 9 = 0.00, 9 = 0.58, 9 = 0.58, 10 = 0.29, 11 = 0.34, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.55, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.62, 24 = 0.34, 25 =

0.62, 26 = 0.34, 27 = 0.62, 28 = 0.34, 29 = 0.68, 30 = 0.34, 31 = 0.34, 32 = 0.62, 33 = 0.34, 34 = 0.62, 35 = 0.34, 36 = 0.34, 37 = 0.34, 38 = 0.34, 39 = 0.34, 40 = 0.34, 41 = 0.34, 42 = 0.34 and 43 = 0.34

Continued on page 2

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925179
L265563	T23G	GABLE	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; 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.
- 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 1-4-0 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 147 lb uplift at joint 10, 1062 lb uplift at joint 17, 351 lb uplift at joint 13, 48 lb uplift at joint 12, 87 lb uplift at joint 11, 49 lb uplift at joint 18 and 476 lb uplift at joint 2.
- 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: 6-10=-114(F=-60), 1-44=-54, 44-45=-141(F=-87), 6-45=-114(F=-60), 2-10=-10

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925180
L265563	T24	COMMON	1	1		Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

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LOAD CASE(S) Standard

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925181
L265563	T25	SPECIAL	1	1	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCCL=4.2psf; BCDL=3.0psf, Category II; Exp B; enclosed; MWFRS 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 130 lb uplift at joint 1 and 269 lb uplift at joint 4.

LOAD CASE(S) Standard

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925182
L265563	T26	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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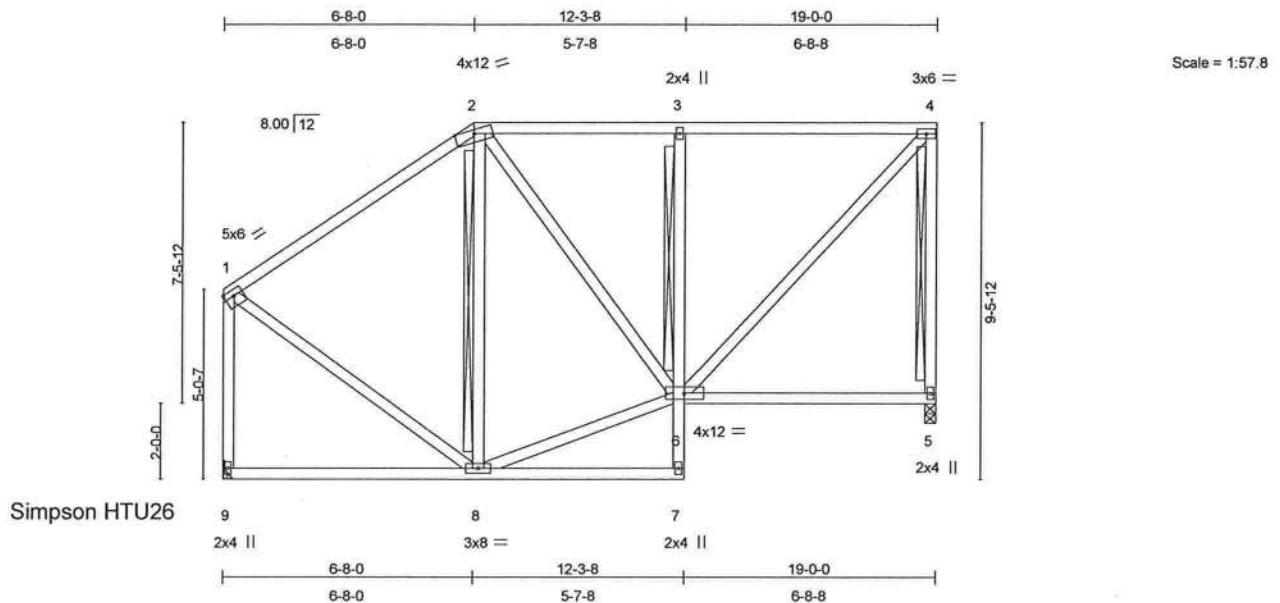


Plate Offsets (X,Y): [1:Edge,0-1-12]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	-0.05	5-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.23	Vert(TL)	-0.08	5-6	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.57	Horz(TL)	-0.01	9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 149 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 3-7 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3 *Except*
 1-9 2 X 4 SYP No.2

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, Except:
 6-0-0 oc bracing: 7-8.
 T-Brace: 2 X 4 SYP No.3 - 3-6
 T-Brace: 2 X 4 SYP No.3 - 4-5,
 2-8
 Fasten T and I braces to narrow edge of web
 with 10d Common wire nails, 9in o.c., with 4in
 minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 5=599/0-3-8, 9=599/Mechanical
 Max Horz 5=140(load case 6)
 Max Uplift 5=-181(load case 5), 9=-88(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 4-5=-559/367, 2-3=-379/236, 3-4=-389/242, 1-2=-458/211, 1-9=-561/248
 BOT CHORD 5-6=-13/179, 6-7=0/64, 3-6=-338/234, 8-9=-31/39, 7-8=-22/16
 WEBS 4-6=-337/537, 6-8=-50/301, 2-6=-106/132, 2-8=-239/98, 1-8=-68/324

JOINT STRESS INDEX

1 = 0.74, 2 = 0.92, 3 = 0.48, 4 = 0.65, 5 = 0.68, 6 = 0.54, 7 = 0.36, 8 = 0.56 and 9 = 0.76

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Continued on page 2

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925182
L265563	T26	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 181 lb uplift at joint 5 and 88 lb uplift at joint 9.

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 34869
1100 Coastal Bay Blvd.
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January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925183
L265563	T27	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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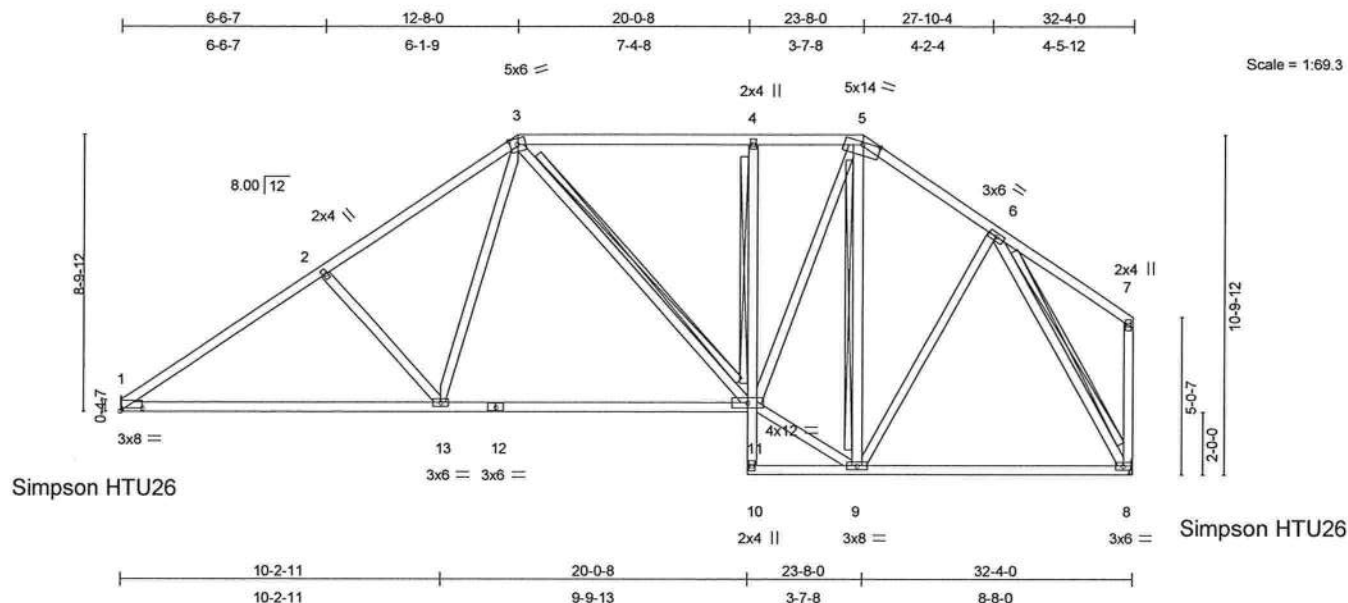


Plate Offsets (X,Y): [1:0-8-3,0-1-2]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	-0.20	1-13	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.54	Vert(TL)	-0.40	1-13	>976	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.53	Horz(TL)	0.07	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 221 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 4-10 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3 *Except*
 7-8 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or
 4-7-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc
 bracing. Except:
 T-Brace: 2 X 4 SYP No.3 -
 4-11
 WEBS T-Brace: 2 X 4 SYP No.3 -
 3-11, 5-9, 6-8
 Fasten T and I braces to narrow edge of web
 with 10d Common wire nails, 9in o.c., with 4in
 minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1028/Mechanical, 8=1028/Mechanical
 Max Horz 1=233(load case 5)
 Max Uplift 1=-198(load case 6), 8=-173(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1565/752, 2-3=-1355/745, 3-4=-938/626, 4-5=-925/620, 5-6=-821/524,
 6-7=-90/82, 7-8=-125/105
 BOT CHORD 1-13=-643/1241, 12-13=-400/952, 11-12=-400/952, 10-11=-16/0, 4-11=-337/220,
 9-10=-90/0, 8-9=-236/503
 WEBS 2-13=-291/294, 3-13=-177/419, 3-11=-146/128, 5-11=-365/810, 5-9=-507/204,
 9-11=-224/722, 6-9=-113/289, 6-8=-983/474

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Continued on page 2

January 10, 2008

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 responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection
 and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center,
 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925183
L265563	T27	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:27 2008 Page 2

JOINT STRESS INDEX

1 = 0.67, 2 = 0.33, 3 = 0.71, 4 = 0.72, 5 = 0.38, 6 = 0.35, 7 = 0.60, 8 = 0.64, 9 = 0.67, 10 = 0.47, 11 = 0.96, 12 = 0.37 and 13 = 0.49

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 1 and 173 lb uplift at joint 8.

LOAD CASE(S) Standard

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925184
L265563	T28	SPECIAL	2	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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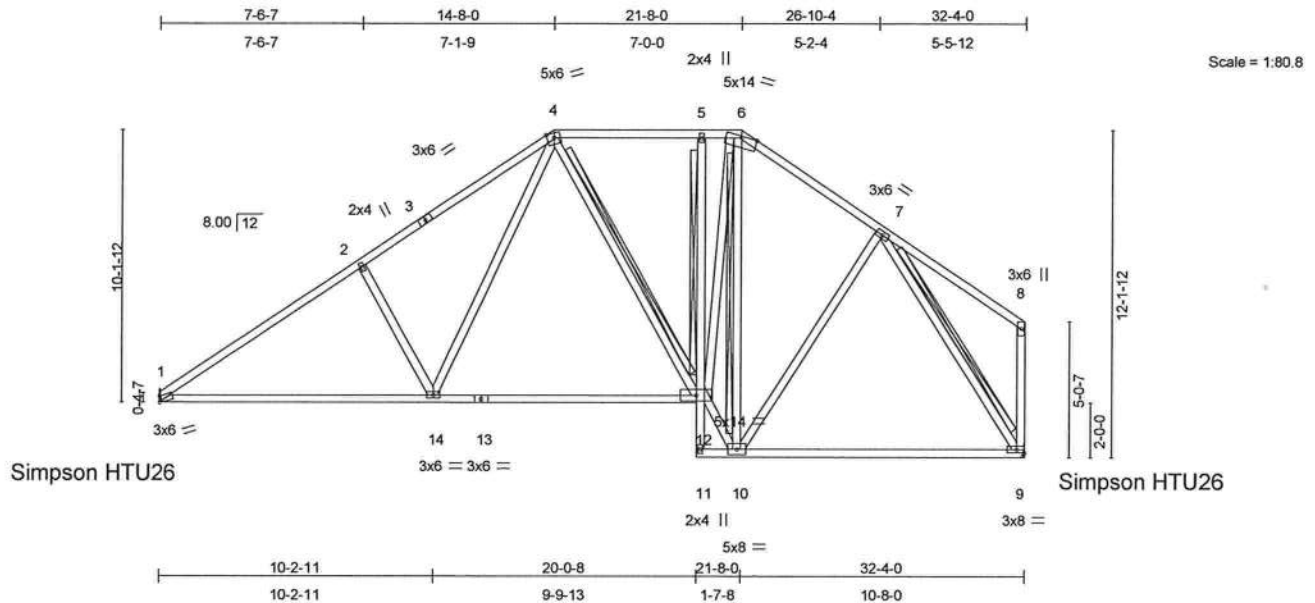


Plate Offsets (X,Y): [1:Edge,0-2-10]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.44	Vert(LL)	-0.21	9-10	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.58	Vert(TL)	-0.42	1-14	>916	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.71	Horz(TL)	0.12	9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 232 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 5-11 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3 *Except*
 8-9 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or
 4-5-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc
 bracing. Except:
 T-Brace: 2 X 4 SYP No.3 -
 5-12
 WEBS T-Brace: 2 X 4 SYP No.3 -
 4-12, 6-10, 7-9
 Fasten T and I braces to narrow edge of web
 with 10d Common wire nails, 9in o.c., with 4in
 minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1028/Mechanical, 9=1028/Mechanical
 Max Horz 1=270(load case 5)
 Max Uplift 1=-244(load case 6), 9=-201(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1567/726, 2-3=-1374/762, 3-4=-1260/792, 4-5=-793/574, 5-6=-781/571,
 6-7=-845/546, 7-8=-116/104, 8-9=-157/132
 BOT CHORD 1-14=-608/1217, 13-14=-318/848, 12-13=-318/848, 11-12=-265/0, 5-12=-150/126,
 10-11=-94/22, 9-10=-251/554
 WEBS 2-14=-354/355, 4-14=-291/484, 4-12=-190/156, 6-12=-397/1068, 10-12=-272/1082,
 6-10=-878/273, 7-10=-70/216, 7-9=-972/456

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Continued on page 2

January 10,2008

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 responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection
 and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center,
 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925184
L265563	T28	SPECIAL	2	1	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:28 2008 Page 2

JOINT STRESS INDEX

1 = 0.81, 2 = 0.33, 3 = 0.39, 4 = 0.69, 5 = 0.52, 6 = 0.79, 7 = 0.34, 8 = 0.26, 9 = 0.62, 10 = 0.55, 11 = 0.73, 12 = 0.85, 13 = 0.35 and 14 = 0.46

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 244 lb uplift at joint 1 and 201 lb uplift at joint 9.

LOAD CASE(S) Standard

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Florida PE No. 34889
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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925185
L265563	T30	HIP	1	1		Job Reference (optional)

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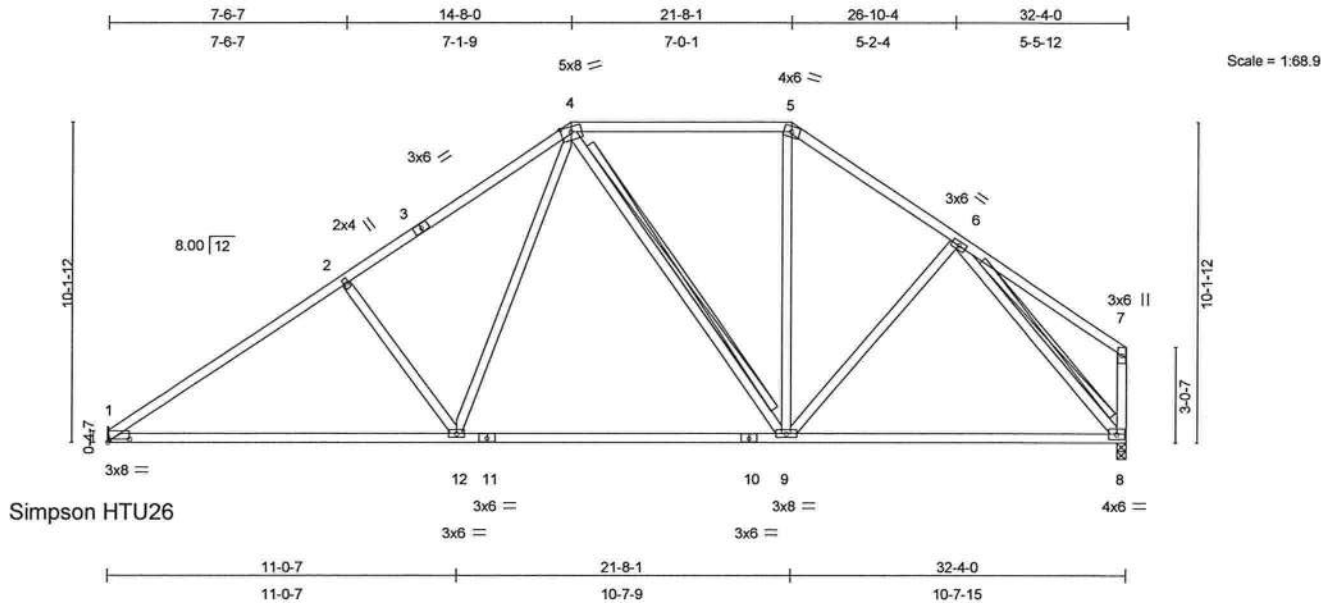


Plate Offsets (X,Y): [1:0-8-3,0-1-2]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.51	Vert(LL)	-0.28	1-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.57	Vert(TL)	-0.56	1-12	>683	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.49	Horz(TL)	0.05	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									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 *Except*
 7-8 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or
 4-5-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-8-0 oc
 bracing.
 WEBS T-Brace: 2 X 4 SYP No.3 - 4-9,
 6-8
 Fasten T and I braces to narrow edge of web
 with 10d Common wire nails, 9in o.c., with 4in
 minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 1=1028/Mechanical, 8=1028/0-3-8
 Max Horz 1=270(load case 5)
 Max Uplift 1=-208(load case 6), 8=-185(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1557/728, 2-3=-1323/721, 3-4=-1128/752, 4-5=-768/562, 5-6=-993/594,
 6-7=-172/122, 7-8=-195/147
 BOT CHORD 1-12=-609/1210, 11-12=-319/854, 10-11=-319/854, 9-10=-319/854, 8-9=-326/723
 WEBS 2-12=-350/351, 4-12=-250/465, 4-9=-243/175, 5-9=-103/267, 6-9=-103/171,
 6-8=-1011/480

Julius Lee
 Truss Design Engineer
 Florida PE No. 24886
 1300 Coastal Bay Blvd
 Boynton Beach, FL 33435

JOINT STRESS INDEX

1 = 0.76, 2 = 0.33, 3 = 0.38, 4 = 0.64, 5 = 0.62, 6 = 0.35, 7 = 0.34, 8 = 0.74, 9 = 0.56, 10 = 0.45, 11 = 0.65 and 12 = 0.48

Continued on page 2

January 10,2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925185
L265563	T30	HIP	1	1		
						Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 208 lb uplift at joint 1 and 185 lb uplift at joint 8.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34868
1400 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925186
L265563	T31	SPECIAL	3	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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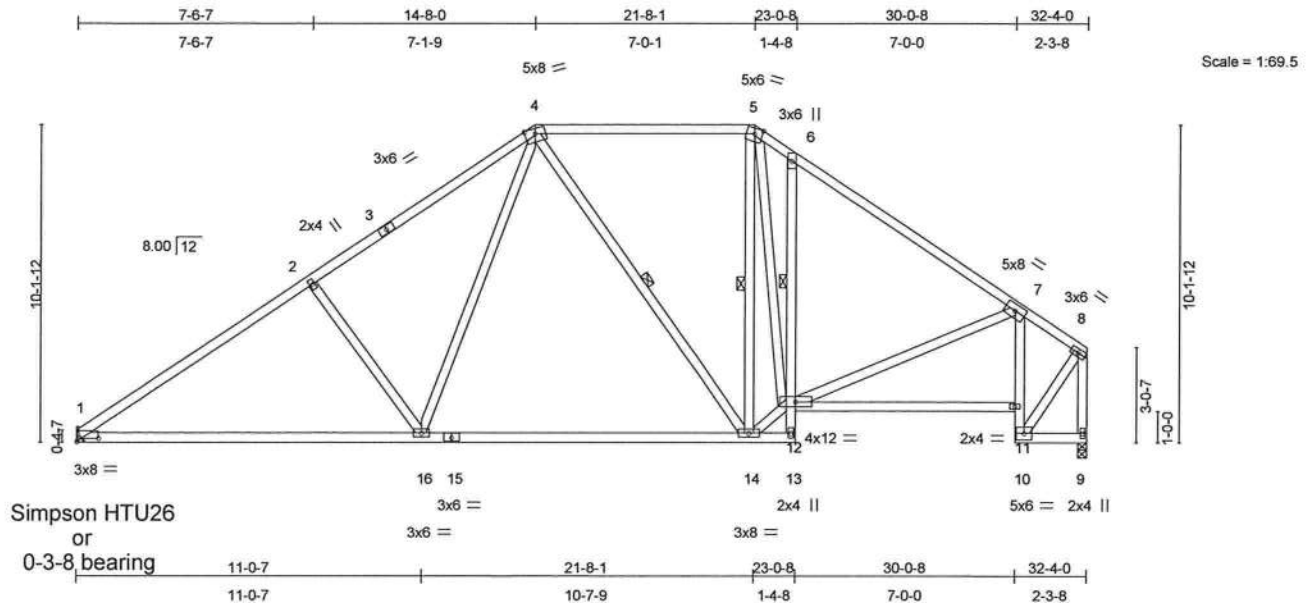


Plate Offsets (X,Y): [1:0-8-3,0-1-2]

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)	-0.27	1-16	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 1.00	Vert(TL)	-0.53	1-16	>719	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.48	Horz(TL)	0.13	9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 214 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 6-13 2 X 4 SYP No.3, 7-10 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3 *Except*
 8-9 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or
 4-6-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied. Except:
 1 Row at midpt 6-12
 WEBS 1 Row at midpt 4-14, 5-14

REACTIONS

(lb/size) 1=1025/Mechanical, 9=1025/0-3-8
 Max Horz 1=316(load case 5)
 Max Uplift 1=-246(load case 6), 9=-197(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1545/730, 2-3=-1313/724, 3-4=-1119/754, 4-5=-765/570, 5-6=-1019/745,
 6-7=-1164/607, 7-8=-658/355, 8-9=-1143/532
 BOT CHORD 1-16=-504/1196, 15-16=-220/849, 14-15=-220/849, 13-14=-157/16, 12-13=-188/0,
 6-12=-289/255, 11-12=-245/673, 10-11=-610/301, 7-11=-585/325, 9-10=-24/59
 WEBS 2-16=-341/345, 4-16=-242/465, 4-14=-233/165, 5-14=-320/89, 5-12=-355/637,
 12-14=-94/931, 7-12=-93/256, 8-10=-416/917

Julius Lee
 Truss Design Engineer
 Florida PE No. 24868
 1400 Coastal Bay Blvd
 Boynton Beach, FL 33435

JOINT STRESS INDEX

1 = 0.73, 2 = 0.33, 3 = 0.38, 4 = 0.61, 5 = 0.49, 6 = 0.25, 7 = 0.52, 8 = 0.69, 9 = 0.42, 10 = 0.56, 11 = 0.74, 12 = 0.70, 13 =
 0.62, 14 = 0.88, 15 = 0.67 and 16 = 0.48

NOTES

1) Unbalanced roof live loads have been considered for this design.

Continued on page 2

January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925186
L265563	T31	SPECIAL	3	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:30 2008 Page 2

NOTES

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 246 lb uplift at joint 1 and 197 lb uplift at joint 9.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 24884
1100 Coastal Bay Blvd.
Boynton Beach, FL 33435

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
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Job	Truss	Truss Type	Qty	Ply	0 0	J1925187
L265563	T32	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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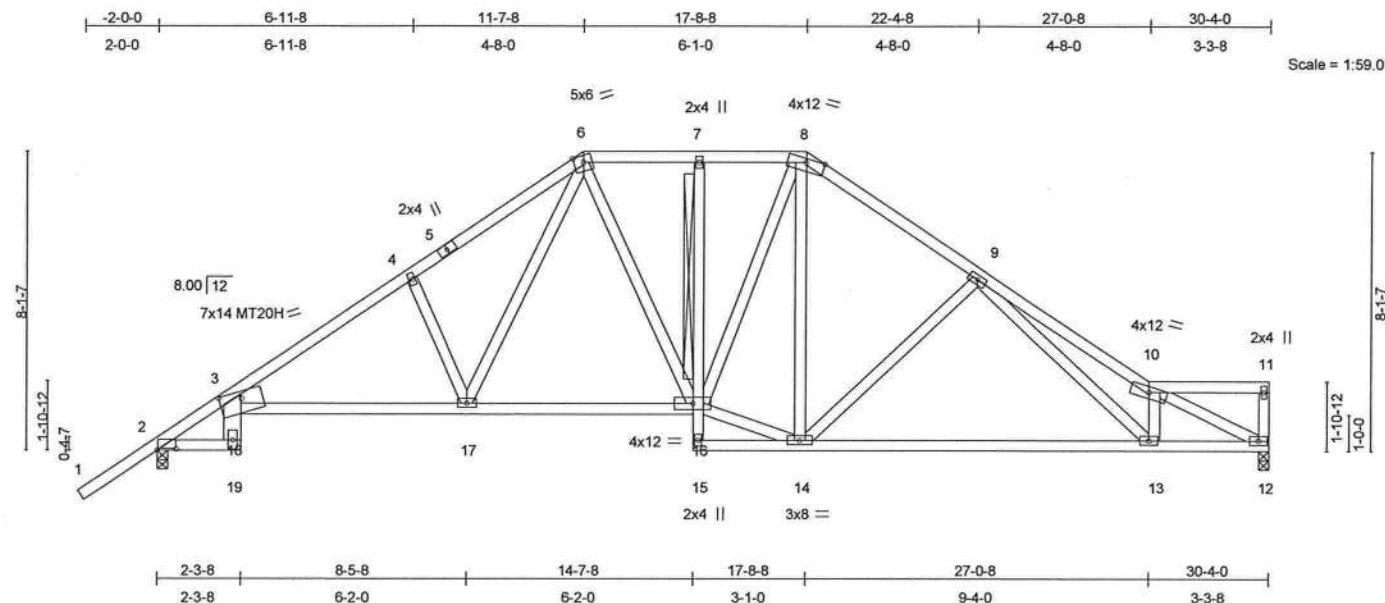


Plate Offsets (X,Y): [2:0-6-3,0-0-6], [3:0-7-0,0-2-4]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.92	Vert(LL)	0.34 17-18	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.95	Vert(TL)	-0.66 17-18	>547	240	MT20H	187/143
BCLL 10.0	* Rep Stress Incr	YES	WB 0.43	Horz(TL)	0.30 12	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 195 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 3-19 2 X 6 SYP No.1D, 16-18 2 X 4 SYP No.1D
 7-15 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or
 2-1-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc
 bracing. Except:
 T-Brace: 2 X 4 SYP No.3 -
 7-16

REACTIONS

(lb/size) 12=957/0-3-8, 2=1086/0-3-8
 Max Horz 2=267(load case 5)
 Max Uplift 12=-193(load case 7), 2=-285(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-1416/522, 3-4=-1699/771, 4-5=-1626/826, 5-6=-1596/847,
 6-7=-1043/629, 7-8=-1041/630, 8-9=-1165/642, 9-10=-2139/1081, 10-11=-68/71,
 11-12=-106/61
 BOT CHORD 2-19=-344/1039, 18-19=-5/69, 3-18=-56/123, 17-18=-537/1423, 16-17=-286/997,
 15-16=-51/0, 7-16=-159/95, 14-15=-62/67, 13-14=-486/1191, 12-13=-741/1702
 WEBS 4-17=-392/293, 6-17=-321/644, 6-16=-147/231, 8-16=-197/388, 14-16=-209/891,
 8-14=-101/181, 9-14=-400/319, 9-13=-401/778, 10-13=-498/354, 10-12=-1832/818

Julius Lee
 Truss Design Engineer
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 Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.66, 3 = 0.91, 4 = 0.33, 5 = 0.42, 6 = 0.38, 7 = 0.33, 8 = 0.66, 9 = 0.51, 10 = 0.66, 11 = 0.67, 12 = 0.51, 13 = 0.47, 14 = 0.80, 15 = 0.41, 16 = 0.77, 17 = 0.53, 18 = 0.00 and 19 = 0.56

Continued on page 2

January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925187
L265563	T32	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:31 2008 Page 2

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf, Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) All plates are 3x6 MT20 unless otherwise indicated.
- 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 193 lb uplift at joint 12 and 285 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34868
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925188
L265563	T33	SPECIAL	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:32 2008 Page 2

JOINT STRESS INDEX

2 = 0.66, 3 = 0.84, 4 = 0.33, 5 = 0.39, 6 = 0.69, 7 = 0.33, 8 = 0.62, 9 = 0.42, 10 = 0.57, 11 = 0.29, 12 = 0.45, 13 = 0.43, 14 = 0.54, 15 = 0.49, 16 = 0.57, 17 = 0.63, 18 = 0.00 and 19 = 0.56

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 3x6 MT20 unless otherwise indicated.
- 6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 12 and 295 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34868
1409 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925189
L265563	T34	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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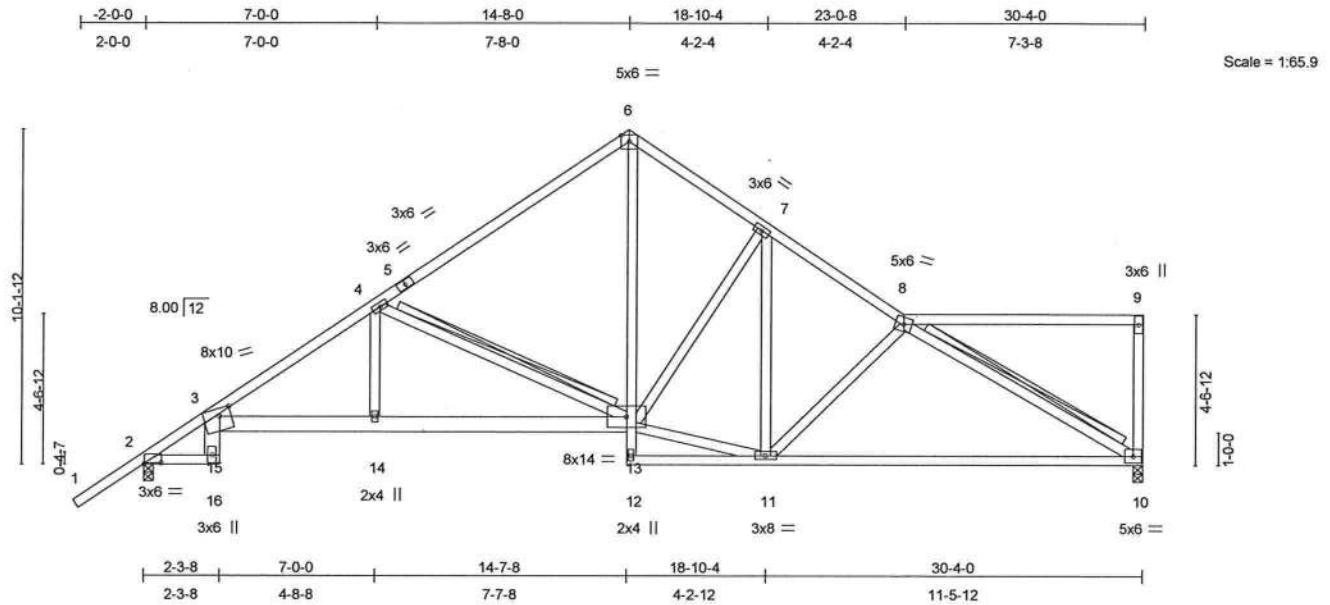


Plate Offsets (X,Y): [2:0-6-3,0-0-6], [3:0-4-2,0-2-12]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.96	Vert(LL)	-0.32 10-11	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.98	Vert(TL)	-0.58 10-11	>617	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.57	Horz(TL)	0.17 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 198 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 3-16 2 X 6 SYP No.1D, 13-15 2 X 6 SYP No.1D
 6-12 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or
 4-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc
 bracing.
 WEBS T-Brace: 2 X 4 SYP No.3 -
 4-13, 8-10
 Fasten T and I braces to narrow edge of web
 with 10d Common wire nails, 9in o.c., with 4in
 minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 10=957/0-3-8, 2=1086/0-3-8
 Max Horz 2=363(load case 5)
 Max Uplift 10=-207(load case 7), 2=-299(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-1423/506, 3-4=-1823/799, 4-5=-1119/545, 5-6=-1002/577,
 6-7=-1044/606, 7-8=-1247/648, 8-9=-84/99, 9-10=-193/137
 BOT CHORD 2-16=-348/1050, 15-16=-6/66, 3-15=-187/156, 14-15=-571/1504, 13-14=-571/1504,
 12-13=-17/7, 6-13=-407/756, 11-12=-82/83, 10-11=-529/1249
 WEBS 4-14=-55/411, 4-13=-739/437, 7-13=-298/227, 11-13=-226/918, 7-11=-106/216,
 8-11=-398/326, 8-10=-1373/687

JOINT STRESS INDEX

2 = 0.66, 3 = 0.85, 4 = 0.41, 5 = 0.31, 6 = 0.88, 7 = 0.41, 8 = 0.66, 9 = 0.51, 10 = 0.57, 11 = 0.81, 12 = 0.44, 13 = 0.66, 14 =
 0.33, 15 = 0.00 and 16 = 0.56

Continued on page 2

Julius Lee
 Truss Design Engineer
 Florida PE No. 24888
 1400 Coastal Bay Blvd
 Boynton Beach, FL 33435

January 10, 2008

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 responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection
 and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center,
 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925189
L265563	T34	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville ,Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:33 2008 Page 2

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 10 and 299 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Larr
Truss Design Engineer
Florida PE No. 34868
1100 Coastal Bay Blvd
Boynton Beach, FL 33435

January 10,2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925190
L265563	T35	SPECIAL	1	1		Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

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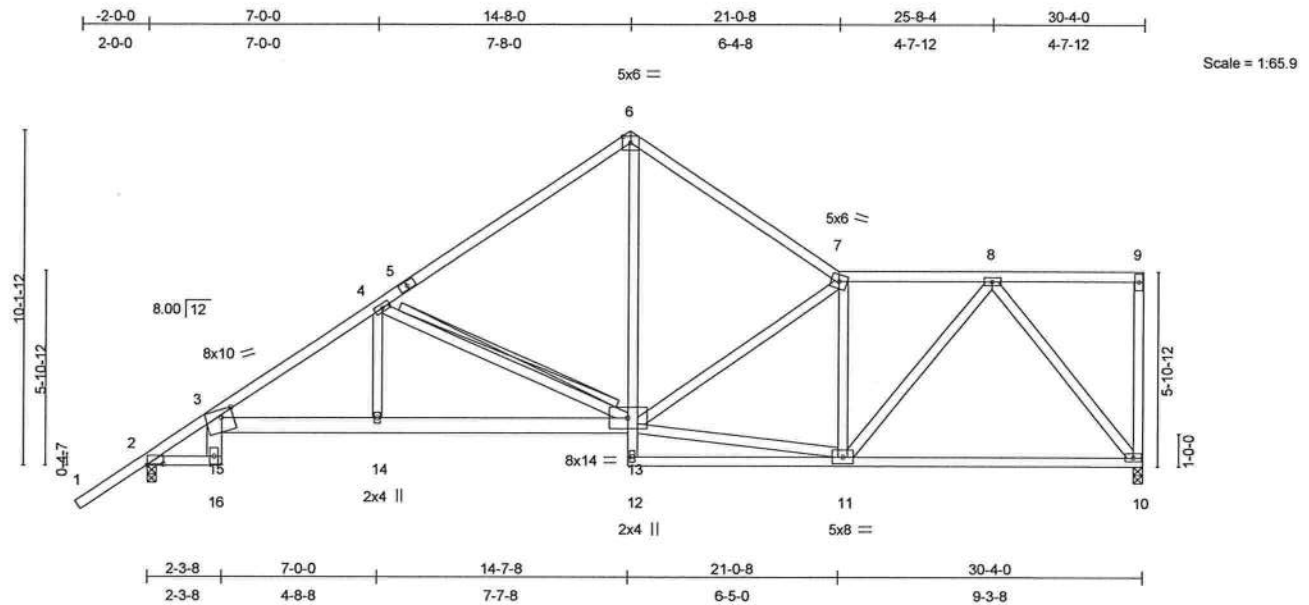


Plate Offsets (X,Y): [2:0-6-3,0-0-6], [3:0-4-2,0-2-12]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.52	Vert(LL)	-0.15 10-11	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.77	Vert(TL)	-0.28 14-15	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.93	Horz(TL)	0.17 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 202 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 3-16 2 X 6 SYP No.1D, 13-15 2 X 6 SYP No.1D
 6-12 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or
 4-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc
 bracing, Except:
 7-3-12 oc bracing: 15-16
 9-10-6 oc bracing: 14-15.
 WEBS T-Brace: 2 X 4 SYP No.3 -
 4-13
 Fasten T and I braces to narrow edge of web
 with 10d Common wire nails, 9in o.c., with 4in
 minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 10=957/0-3-8, 2=1086/0-3-8
 Max Horz 2=384(load case 5)
 Max Uplift 10=-216(load case 5), 2=-300(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-1423/508, 3-4=-1825/804, 4-5=-1115/547, 5-6=-1001/579,
 6-7=-1090/591, 7-8=-1104/625, 8-9=-50/111, 9-10=-116/99
 BOT CHORD 2-16=-380/1050, 15-16=-9/65, 3-15=-191/160, 14-15=-582/1504, 13-14=-582/1504,
 12-13=0/78, 6-13=-366/712, 11-12=-63/144, 10-11=-217/661
 WEBS 4-14=-62/420, 4-13=-741/437, 7-13=-383/293, 11-13=-366/990, 7-11=-642/355,
 8-11=-316/707, 8-10=-1021/505

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 Boynton Beach, FL 33435

Continued on page 2

January 10, 2008

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 responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection
 and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center,
 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	0 0	J1925190
L265563	T35	SPECIAL	1	1	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:34 2008 Page 2

JOINT STRESS INDEX

2 = 0.66, 3 = 0.85, 4 = 0.41, 5 = 0.31, 6 = 0.98, 7 = 0.57, 8 = 0.48, 9 = 0.28, 10 = 0.63, 11 = 0.44, 12 = 0.80, 13 = 0.58, 14 = 0.33, 15 = 0.00 and 16 = 0.56

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 3x6 MT20 unless otherwise indicated.
- 6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 10 and 300 lb uplift at joint 2.

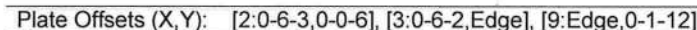
LOAD CASE(S) Standard

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January 10, 2008

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Builders
FirstSource

Job	Truss	Truss Type	Qty	Ply	0 0	J1925191
L265563	T36	SPECIAL	1	1	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:36 2008 Page 2

JOINT STRESS INDEX

2 = 0.71, 3 = 0.88, 4 = 0.41, 5 = 0.34, 6 = 0.83, 7 = 0.73, 8 = 0.72, 9 = 0.70, 10 = 0.74, 11 = 0.71, 12 = 0.39, 13 = 0.57, 14 = 0.52, 15 = 0.74, 16 = 0.33, 17 = 0.00 and 18 = 0.61

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 308 lb uplift at joint 2 and 227 lb uplift at joint 10.

LOAD CASE(S) Standard

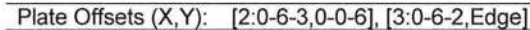
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January 10, 2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 BEFORE USE
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Builders First Source, Jacksonville, Florida 32244 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:37 2008 Page 1



LUMBER

BRACING

FORCES (lb) - Maximum Compression/Maximum Tension

4 Julius Lee
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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925192
L265563	T37	SPECIAL	1	1	Job Reference (optional)	

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:37 2008 Page 2

JOINT STRESS INDEX

2 = 0.71, 3 = 0.91, 4 = 0.33, 5 = 0.39, 6 = 0.46, 7 = 0.33, 8 = 0.59, 9 = 0.33, 10 = 0.62, 11 = 0.50, 12 = 0.67, 13 = 0.40, 14 = 0.55, 15 = 0.69, 16 = 0.82, 17 = 0.46, 18 = 0.89, 19 = 0.50, 20 = 0.65, 21 = 0.62, 22 = 0.00 and 23 = 0.61

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 3x6 MT20 unless otherwise indicated.
- 6) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 3.
- 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 297 lb uplift at joint 2 and 173 lb uplift at joint 13.

LOAD CASE(S) Standard

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January 10,2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

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Job	Truss	Truss Type	Qty	Ply	0 0	J1925193
L265563	T38	SPECIAL	1	1		
Job Reference (optional)						

Builders First Source, Jacksonville, Florida 32244

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 10 17:42:47 2008 Page 1

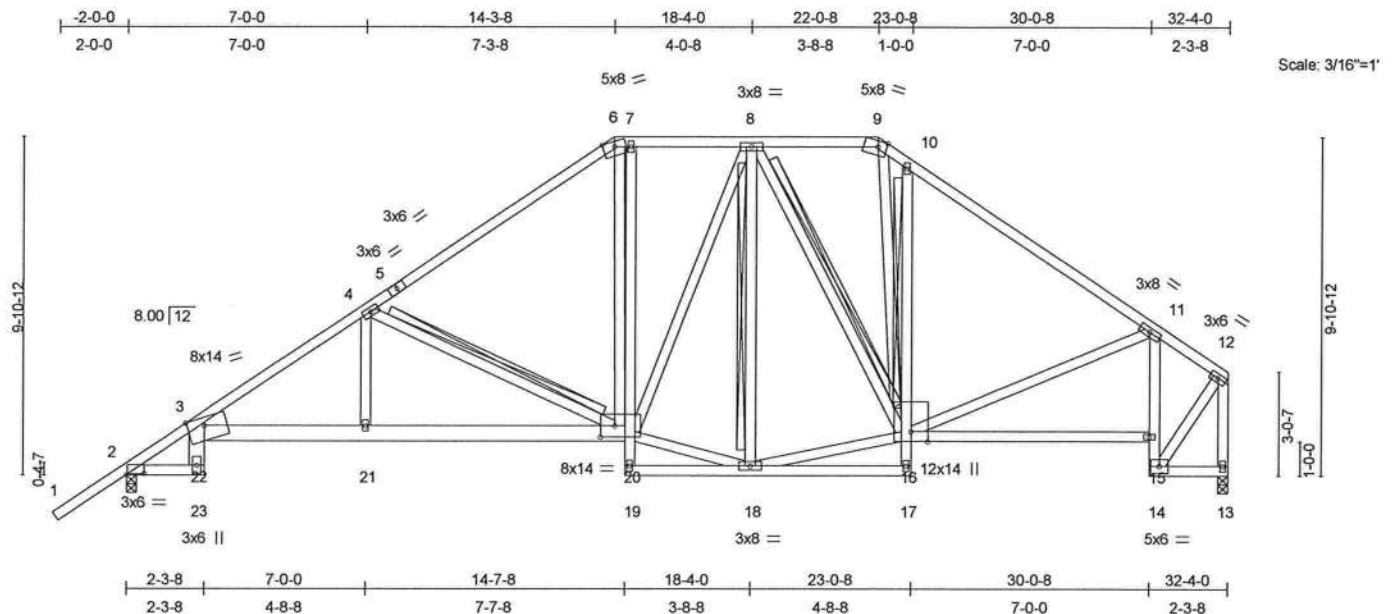


Plate Offsets (X,Y): [2:0-6-3,0-0-6], [3:0-6-2,Edge], [9:0-3-0,Edge], [20:0-5-0,0-4-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	-0.16 21-22	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 1.00	Vert(TL)	-0.30 21-22	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.43	Horz(TL)	0.25 13	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
Weight: 267 lb									

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 3-23 2 X 6 SYP No.1D, 20-22 2 X 6 SYP No.1D
 7-19 2 X 4 SYP No.3, 10-17 2 X 4 SYP No.3
 11-14 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3 *Except*
 12-13 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 1-7-8 oc bracing.
 Except:
 T-Brace: 2 X 4 SYP No.3 - 10-16
 T-Brace: 2 X 4 SYP No.3 - 4-20, 8-18, 8-16
 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.
 Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1150/0-3-8, 13=1021/0-3-8
 Max Horz 2=334(load case 5)
 Max Uplift 2=-306(load case 6), 13=-179(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-1530/572, 3-4=-1970/885, 4-5=-1245/623, 5-6=-1135/654, 6-7=-958/640,
 7-8=-946/629, 8-9=-808/567, 9-10=-1078/772, 10-11=-1160/601, 11-12=-655/351,
 12-13=-1138/526
 BOT CHORD 2-23=-426/1132, 22-23=-11/69, 3-22=-202/165, 21-22=-633/1625, 20-21=-633/1625,
 19-20=0/48, 7-20=-238/247, 18-19=-56/98, 17-18=-46/25, 16-17=0/69, 10-16=-287/315,
 15-16=-241/668, 14-15=-607/298, 11-15=-584/323, 13-14=-24/59
 WEBS 4-21=-68/428, 4-20=-752/438, 8-18=-374/137, 18-20=-192/774, 8-20=-153/308,
 16-18=-225/834, 8-16=-174/124, 9-16=-398/497, 11-16=-131/262, 12-14=-411/912,
 6-20=-129/254

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January 10, 2008

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T38	SPECIAL	1	1	J1925193
Job Reference (optional)					

Builders First Source, Jacksonville, Florida 32244

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Jan 10 17:42:47 2008 Page 2

JOINT STRESS INDEX

2 = 0.73, 3 = 0.90, 4 = 0.43, 5 = 0.32, 6 = 0.64, 7 = 0.34, 8 = 0.65, 9 = 0.35, 10 = 0.75, 11 = 0.95, 12 = 0.71, 13 = 0.43, 14 = 0.57, 15 = 0.77, 16 = 0.30, 17 = 0.61, 18 = 0.75, 19 = 0.40, 20 = 0.89, 21 = 0.34, 22 = 0.00 and 23 = 0.63

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 306 lb uplift at joint 2 and 179 lb uplift at joint 13.

LOAD CASE(S) Standard

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January 10, 2008

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Job L265563	Truss T39	Truss Type HIP	Qty 1	Ply 2	0 0 Job Reference (optional)	J1925194
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Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:39 2008 Page 1

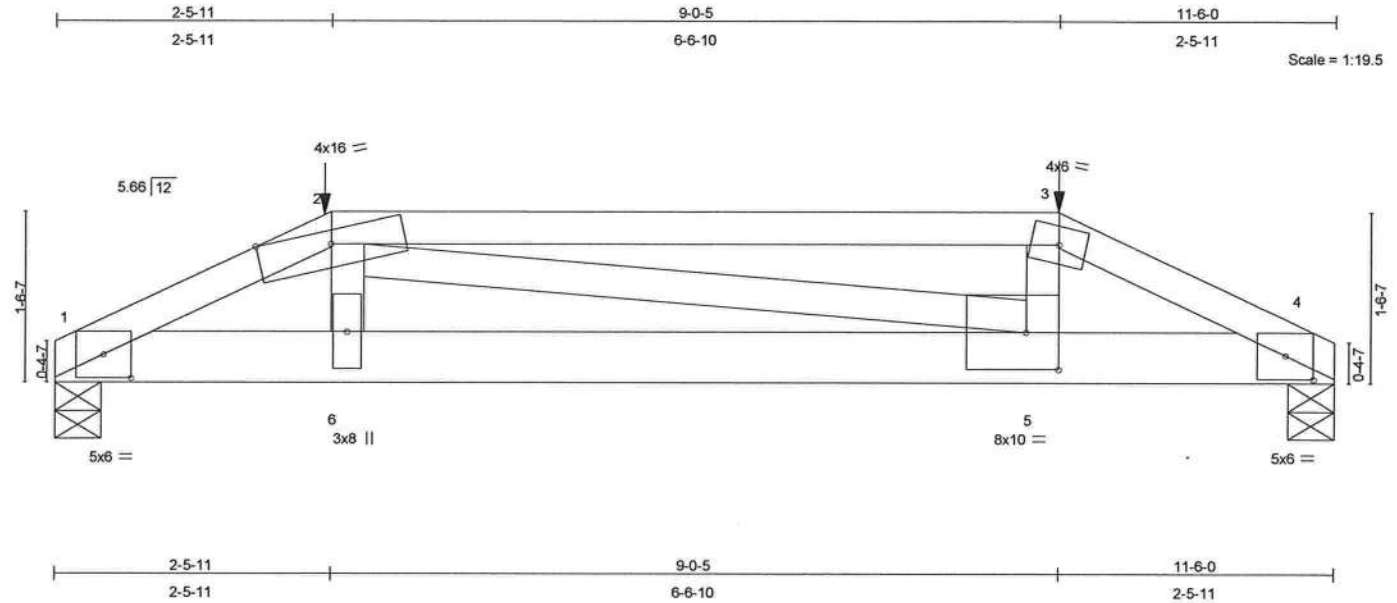


Plate Offsets (X,Y): [1:0-3-0,0-2-9], [4:0-3-0,0-2-9], [5:0-3-8,0-4-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.33	Vert(LL)	-0.12	5-6	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.68	Vert(TL)	-0.24	5-6	>563	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.42	Horz(TL)	0.03	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 113 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=3052/0-4-15, 4=3052/0-4-15
Max Horz 1=14(load case 5)
Max Uplift 1=-832(load case 4), 4=-832(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-6331/1744, 2-3=-5815/1616, 3-4=-6176/1700
BOT CHORD 1-6=-1558/5636, 5-6=-1641/5961, 4-5=-1509/5500
WEBS 2-6=-677/2613, 2-5=-192/57, 3-5=-653/2517

JOINT STRESS INDEX

1 = 0.75, 2 = 0.74, 3 = 0.63, 4 = 0.73, 5 = 0.26 and 6 = 0.41

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 6 - 2 rows 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.

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January 10, 2008

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Job	Truss	Truss Type	Qty	Ply	0 0
L265563	T39	HIP	1	2	J1925194 Job Reference (optional)

Builders First Source, Jacksonville, Florida 32244

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Jan 10 17:30:39 2008 Page 2

NOTES

- 4) Wind: ASCE 7-02; 110mph (3-second gust); h=19ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- 5) Provide adequate drainage to prevent water ponding.
- 6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 832 lb uplift at joint 1 and 832 lb uplift at joint 4.

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54, 2-3=-56(F=-2), 3-4=-54, 1-4=-491(F=-481)

Concentrated Loads (lb)

Vert: 2=-22(F) 3=-22(F)

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January 10, 2008

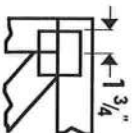
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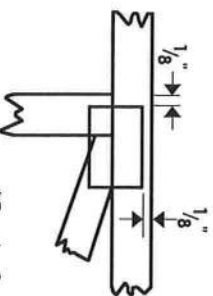


Symbols

PLATE LOCATION AND ORIENTATION



*Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



*For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



*This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

4 X 4

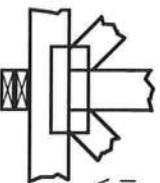
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



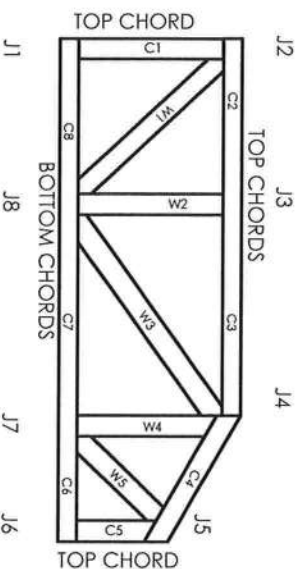
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561



MITek Engineering Reference Sheet: MIT-7473



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (± 6" from adjacent joint).
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH		2X4 GABLE VERTICAL		BRACE		NO BRACES		(1) 1X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(3) 2X6 "L" BRACE *		(2) 2X8 "L" BRACE **	
GABLE VERTICAL	SPACING	SPECIES	GRADE	#1 / #2	GROUP A	GROUP B	GROUP C	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	HF	STANDARD	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	6' 3"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"
				3' 3"	4' 11"	4' 11"	6' 5"	6' 6"	8' 3"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
				3' 3"	4' 11"	4' 11"	6' 5"	6' 6"	8' 3"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
				3' 3"	4' 2"	4' 2"	6' 5"	6' 5"	8' 3"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
16" O.C.	SPF	HF	STANDARD	3' 8"	5' 10"	5' 10"	6' 11"	7' 5"	8' 3"	8' 11"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
				3' 7"	5' 10"	5' 10"	6' 11"	7' 5"	8' 3"	8' 11"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
				3' 6"	5' 0"	5' 0"	6' 8"	6' 8"	8' 3"	8' 3"	8' 3"	10' 4"	10' 4"	12' 11"	13' 7"
				3' 6"	5' 0"	5' 0"	6' 8"	6' 8"	8' 3"	8' 3"	8' 3"	10' 3"	10' 3"	12' 11"	13' 7"
24" O.C.	SPF	HF	STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
				3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
				3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
				3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:	
SPRUCE-PINE-DOUGL.	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STANDARD	#3 STANDARD

GROUP B:	
DOUGLAS FIR-LARCH	SOUTHERN PINE
#1 / #2 STANDARD	#3 STUD
#3 STANDARD	#3 STANDARD

GROUP B:

HEM-FIR	#1 & BTR
#1	

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#2

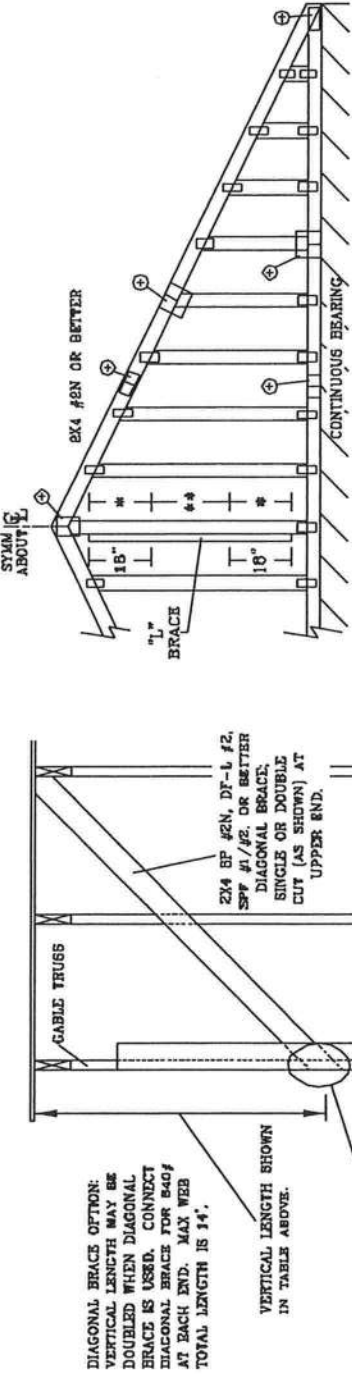
CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
 PROVIDE UPLIFT CONNECTIONS FOR 136 PSF OVER CONTINUOUS BEARING (6 PSF TC DEAD LOAD).
 CABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
 ATTACH EACH "L" BRACE WITH 10d NAILS.
 * FOR (1) "L" BRACE: SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
 ** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 8" O.C. BETWEEN ZONES.
 "L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO. PLATE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPALICE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

JULIUS LEE'S
 CONS. ENGINEERS P.A.
 1455 ST. 4th AVENUE
 DELRAY BEACH, FL 33444-2161

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1-800 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL ASSOCIATION OF BUILDERS, 1200 K STREET, N.W., WASHINGTON, D.C. 20004, FOR A COMPLETE LIST OF THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

REF	ASCE7-02-CAB10015
DATE	11/26/03
DRWG	MTXK STD CABLE 15 E HT
ENG	-ENG

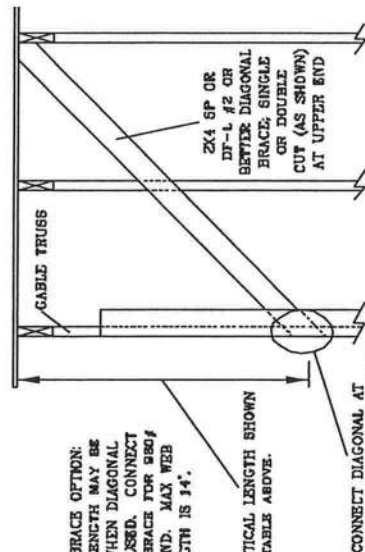
MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

No. 34859
 STATE OF FLORIDA

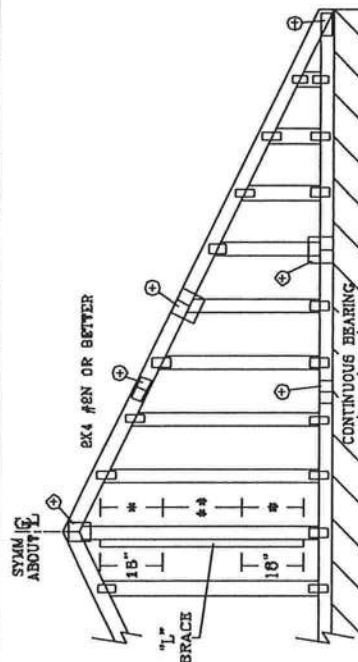
ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH														
SPACING	2X4 CABLE VERTICAL SPECIES	BRACE GRADE	BRACE NO	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X8 "L" BRACE *		(2) 2X8 "L" BRACE *		
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	
				#1 / #2	#3	STUD	STANDARD	#1	#2	#3	STUD	STANDARD	#1	#2
12" O.C.	SPF	HF	SP	DFL	3' 2"	6' 8"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
					3' 1"	4' 5"	6' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
					3' 1"	4' 6"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
					3' 1"	4' 6"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
	SPF	HF	SP	DFL	3' 8"	5' 11"	6' 0"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
					3' 5"	5' 11"	6' 0"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
					3' 3"	4' 6"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 8"
					3' 3"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 6"
	SPF	HF	SP	DFL	3' 10"	3' 10"	6' 1"	5' 1"	8' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
					6' 4"	6' 6"	7' 6"	7' 6"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
					5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
					5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
SPF	HF	SP	DFL	4' 0"	6' 10"	7' 6"	6' 2"	8' 3"	8' 3"	9' 7"	9' 7"	12' 11"	12' 11"	
				6' 4"	6' 10"	7' 6"	6' 2"	8' 3"	8' 3"	11' 9"	11' 9"	14' 0"	14' 0"	
				8' 4"	8' 10"	7' 8"	8' 1"	8' 11"	8' 11"	9' 7"	9' 7"	12' 8"	14' 0"	
				5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	11' 5"	11' 5"	14' 0"	14' 0"	
SPF	HF	SP	DFL	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	8' 11"	11' 4"	11' 4"	14' 0"	14' 0"	
				4' 9"	4' 9"	6' 3"	6' 3"	8' 11"	8' 11"	9' 8"	9' 8"	13' 3"	13' 3"	
				6' 11"	7' 2"	8' 3"	8' 6"	9' 10"	10' 1"	12' 11"	13' 4"	14' 0"	14' 0"	
				6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 10"	12' 10"	14' 0"	14' 0"	
SPF	HF	SP	DFL	3' 11"	6' 3"	6' 3"	6' 3"	8' 10"	8' 10"	11' 1"	11' 1"	14' 0"	14' 0"	
				3' 11"	6' 3"	6' 3"	6' 3"	8' 10"	8' 10"	11' 1"	11' 1"	14' 0"	14' 0"	
				4' 5"	6' 11"	7' 6"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"	
				4' 4"	6' 11"	7' 6"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"	
SPF	HF	SP	DFL	4' 2"	6' 5"	6' 5"	6' 5"	8' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"	
				6' 4"	6' 4"	8' 3"	8' 3"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"	
				6' 4"	6' 4"	8' 3"	8' 3"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"	
				4' 2"	6' 4"	8' 3"	8' 3"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"	

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 980
AT EACH END. MAX WEB
TOTAL LENGTH IS 14".



CONNECT DIAGONAL AT
INTERPOINT OF VERTICAL



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEPLETION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER
CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

CABLE END SUPPORTS 10 IN FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C.

IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.
IN 10" TWD TANGING AND 2" O.C. OTHERWISE

STANOV DNE 8. 9. 1947. 11. 11.

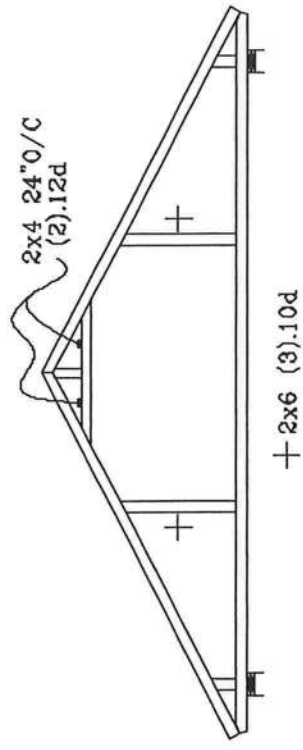
ALL BRACING MUST BE A MINIMUM OF 80% OF WEB

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 DR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2-5X4

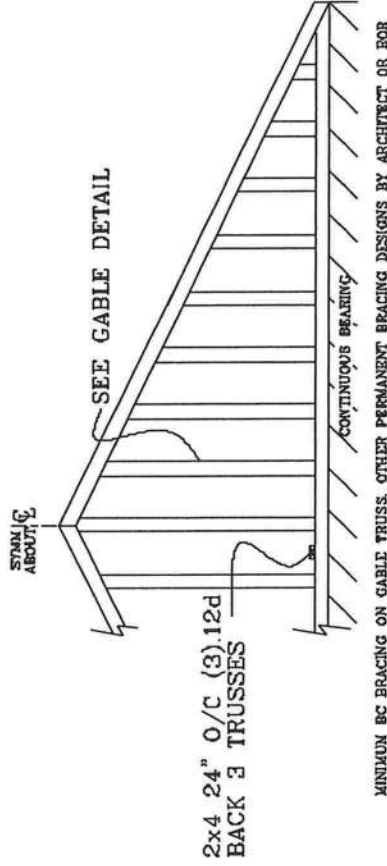
+ REFER TO COMMON TRUSS DESIGN FOR
PEAK, SPLICE, AND HEEL PLATES

<p>WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, INC., 200 W. BROAD ST., SUITE 200, MADISON, WI 53703, AND VITA (WOOD TRUSS COUNCIL OF AMERICA), 10000 W. 10TH AVENUE, SUITE 100, DENVER, CO 80231, FOR THE LATEST PRACTICES RELATIVE TO UNLOADING THESE TRUSSES. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL BE PROPERLY PACKED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.</p>	<p>JULIUS LEE'S CONS. ENGINEERS P.A.</p> <p>1456 SW 4th AVENUE DELBAY BEACH, FL 33444-2161</p>	<p>REF. ASCEY-02-GABI03030</p> <p>DATE 11/26/03</p> <p>DWG. MITEK STD GABLE 30' E 117</p> <p>- ENG</p>
	<p>MAX. TOT. LD. 60 PSF</p>	<p>MAX. SPACING 24.0"</p>
	<p>No: 34869</p> <p>STATE OF FLORIDA</p>	

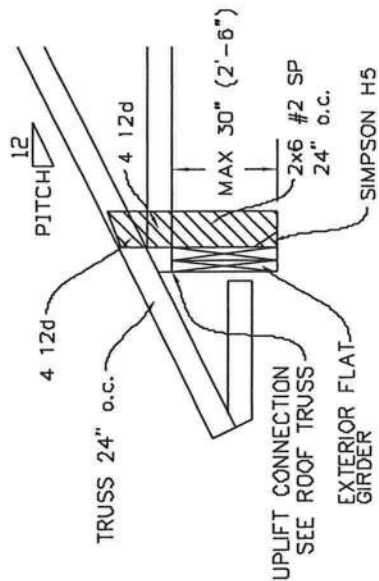
TYPICAL ATTIC TRUSS BRACING



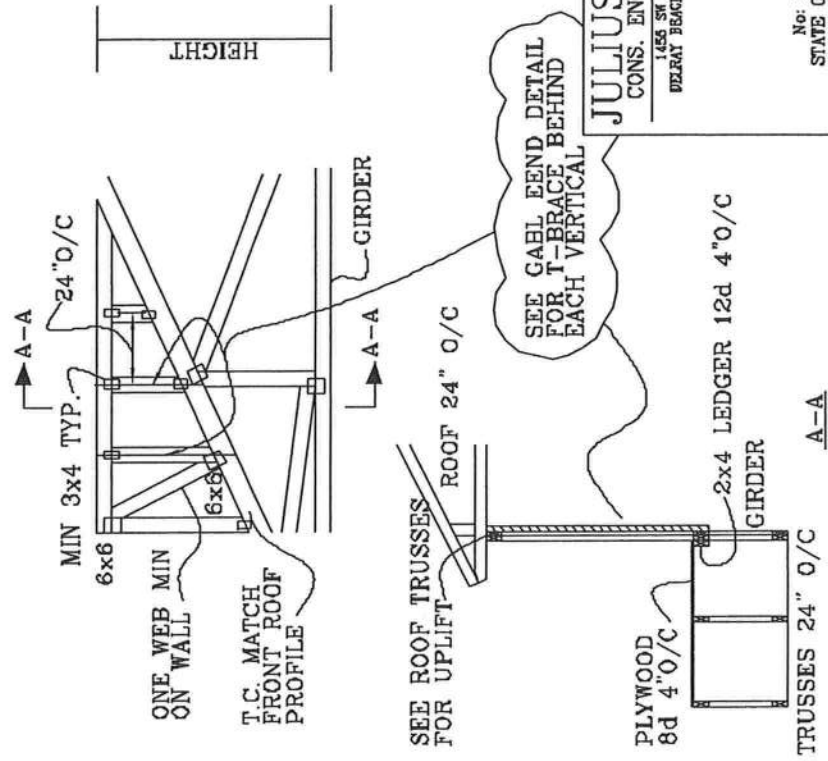
GABLE END TRUSS DETAIL



TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 41st AVENUE
DELRAY BEACH, FL 33444-2161

No: 34669
STATE OF FLORIDA

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPICES MUST BE STAGGERED SO THAT ONE SPICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST

CAT 1, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, FBC

ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

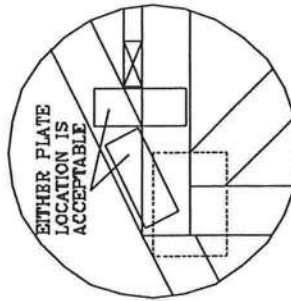
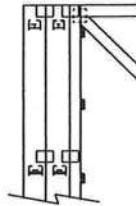
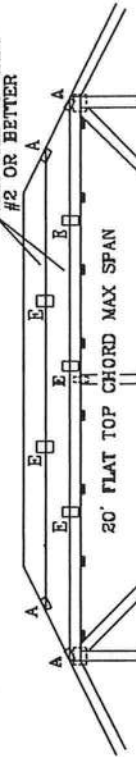
FRONT FACE (S*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X8 OR 3X8 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

MAX SIZE OF 2X12 #2 OR BETTER



OPTIONAL SPICE

2' TYP.

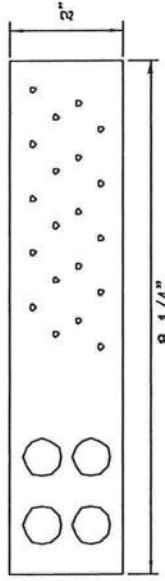
2' TYP.

2' TYP.

2' TYP.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

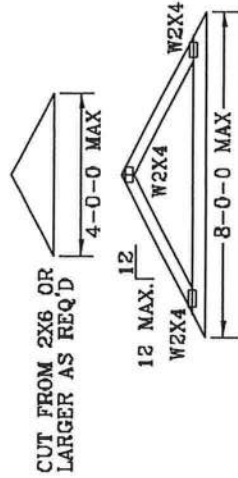
THIS DRAWING REPLACES DRAWINGS 634.016 634.017 & 847.045

<p>WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (OOD BUILDING COMPONENT SAFETY) INFORMATION, PUBLISHED BY TPI (TRUSS INSTITUTE) 10000 W. 10TH AVE. SUITE 100, MINNETONKA, MN 55345-4400, (952) 891-1000, OR AMERICA'S 3200 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 81010 CEILING.</p>	<p>JULIUS LEE'S CONS. ENGINEERS P.A. 1400 SW 4th AVENUE DEER BEACH, FL 33444-2161</p>	<p>MAX LOADING 55 PSF AT 1.33 DUR. FAC. 50 PSF AT 1.25 DUR. FAC. 47 PSF AT 1.15 DUR. FAC.</p>	REF PIGGYBACK
			DATE 09/12/07
			DRWGMITEK STD PIGGY
			-ENG JL
		SPACING 24.0"	No: 34869 STATE OF FLORIDA

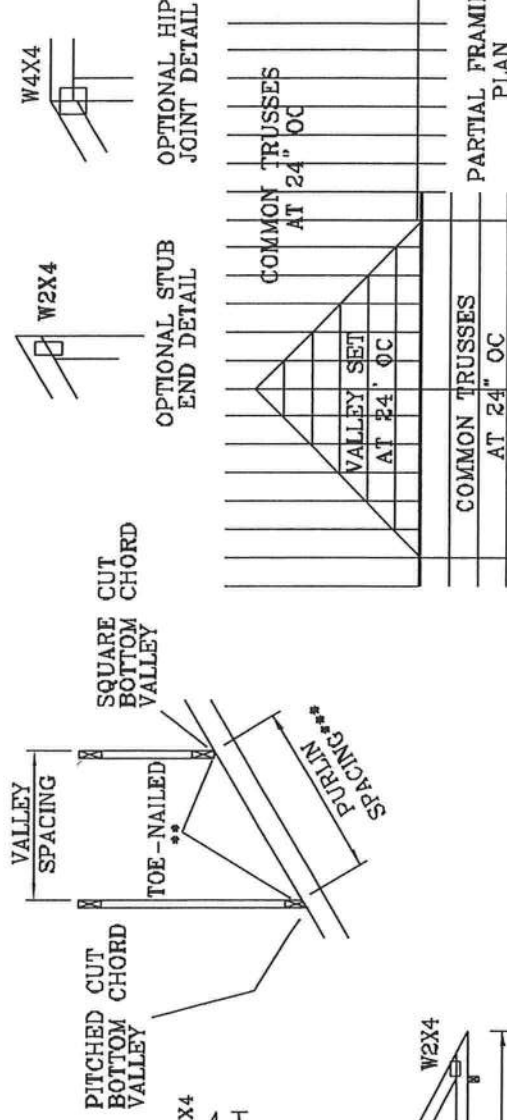
VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

- * 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- ** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR
ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED
BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.	<p>REINFORCING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST I-100 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS ASSOCIATION, 1455 SW 4TH AVENUE, DELRAY BEACH, FL 33444-2101. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.</p>	JULIUS LEE'S CONS. ENGINEERS P.A.		THIS DRAWING REPLACES DRAWING A105					
		1455 SW 4TH AVENUE DELRAY BEACH, FL 33444-2101		TC LL	20	PSF	REF	VALLEY DETAIL	
				TC DL	7	15	PSF	DATE	11/26/03
				BC DL	5	5	PSF	DRWG	VALTRUSS1103
				BC LL	0	0	PSF	-ENG	JL
				TOT. LD.	32	40	PSF		
				DUR.FAC.	1.25	1.25			
				SPACING	24"				

TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

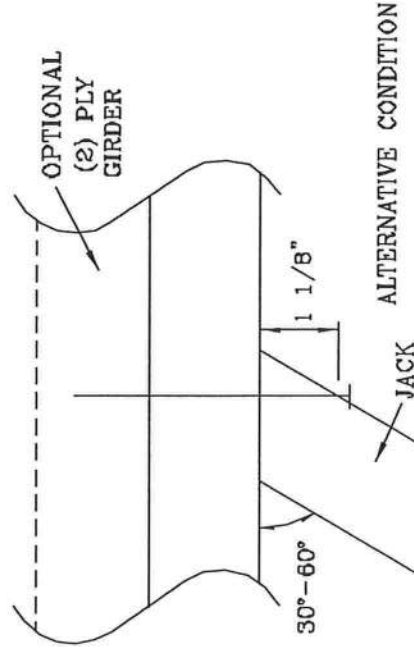
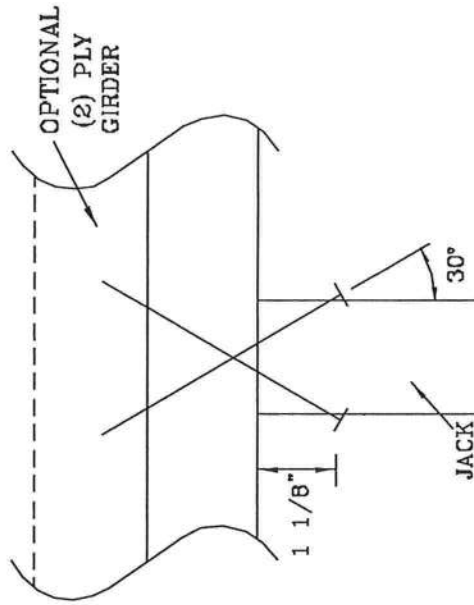
PER ANSI/AF&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"x3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



THIS DRAWING REPLACES DRAWING 784040

<p>WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR ALL TRUSSING DETAILS. THE TRUSSING INSTITUTE, 393 DUNFORD DR., SUITE 200, MADISON, WI 53719, AND VTC (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.</p>	<p>JULIUS LEE'S CONS. ENGINEERS P.A. 1495 SW 4TH AVENUE DEERAY BEACH, FL 33444-2161</p>				TC LL	PSF	REF	TOE-NAIL
					TC DL	PSF	DATE	09/12/07
					BC DL	PSF	DRWG	CNTONAIL1103
					BC LL	PSF	-ENG	JL
					TOT. LD.	PSF		
				DUR. FAC.	1.00			
				SPACING				

No: 34869
STATE OF FLORIDA

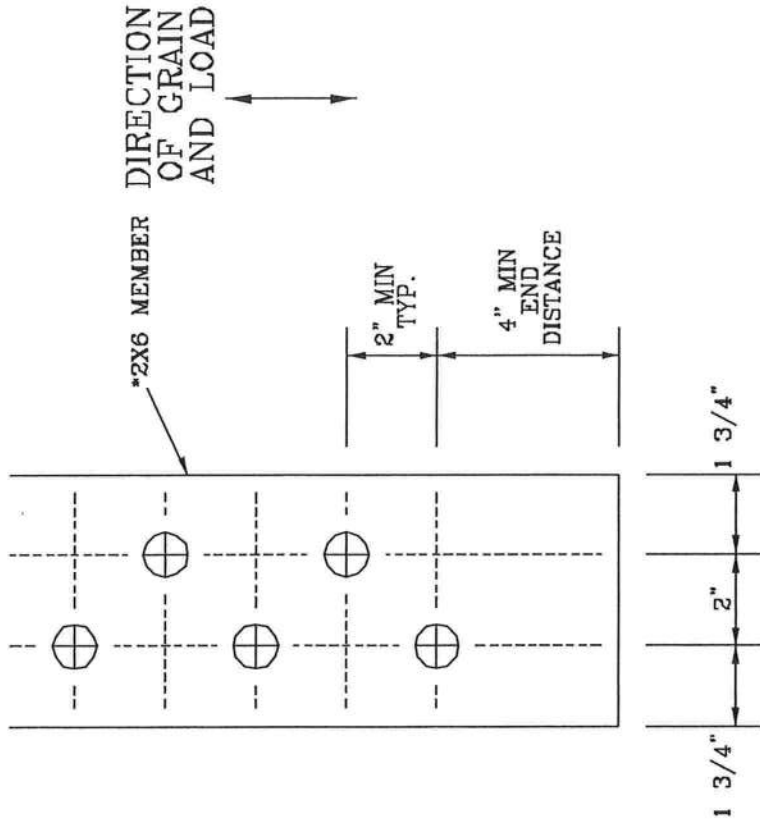
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.

WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A828.016

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST I-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS ASSOCIATION OF AMERICA), 15300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.	JULIUS LEE'S CONS. ENGINEERS P.A. 1400 SW 4TH AVENUE DELRAY BEACH, FL 33444-2161				TC LL	PSF	REF	BOLT SPACING		
					TC DL	PSF	DATE	11/26/03		
					BC DL	PSF	DRWG	CNBOLTSP1103		
					BC LL	PSF	-ENG	JL		
					TOT. LD.	PSF				
No: 34869 STATE OF FLORIDA					DUR. FAC.					
					SPACING					

TRULOX CONNECTION DETAIL

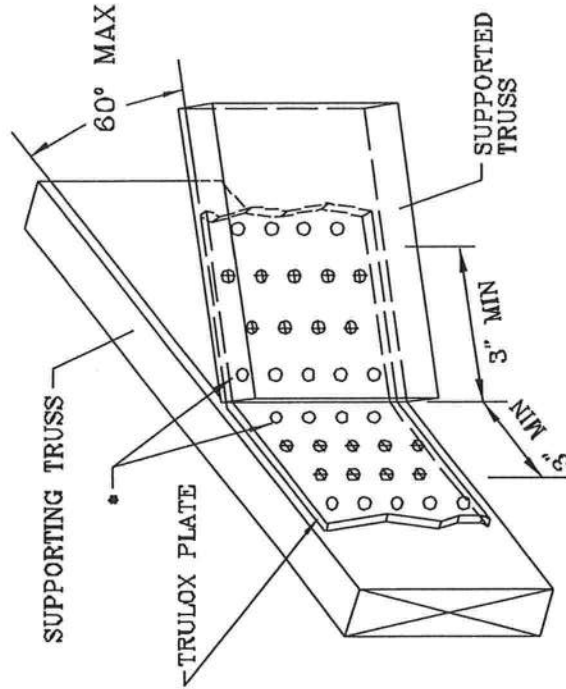
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

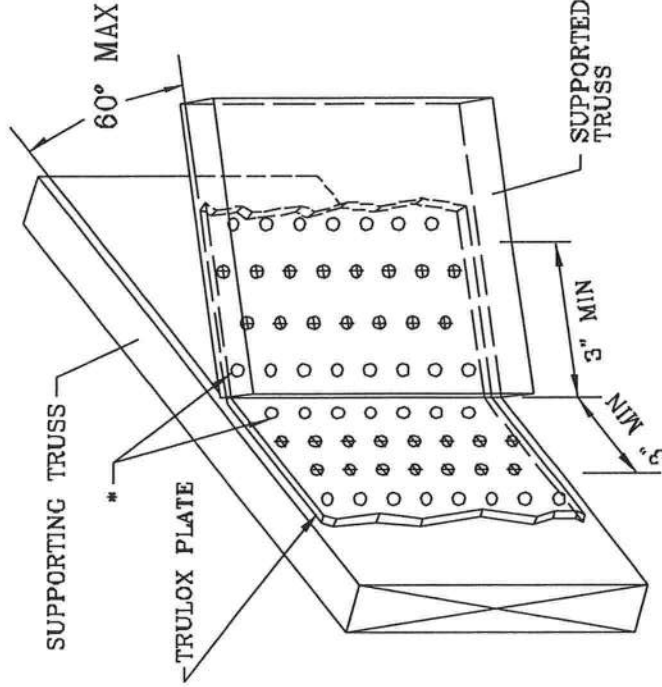
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
5X6	15	990#



MINIMUM 5X6 TRULOX PLATE

THIS DRAWING REPLACES DRAWINGS 1.158.989 1.158.988/R
1.154.844 1.152.217 1.152.017 1.159.154 & 1.151.524

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 960 DOWNSIDE DR., SUITE 200, MADISON, VT 05750 AND VTCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LN, MADISON, VT 05710 FOR SAFETY PRACTICES PRIOR TO PERFORMING CONSTRUCTION. ALL TRUSS CHORDS MUST BE PROPERLY ATTACHED TO THE TRUSS PLATE. ALL STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.

1165 SW 4th AVENUE
DELRAT BEACH, FL 33444-2881

REF TRULOX

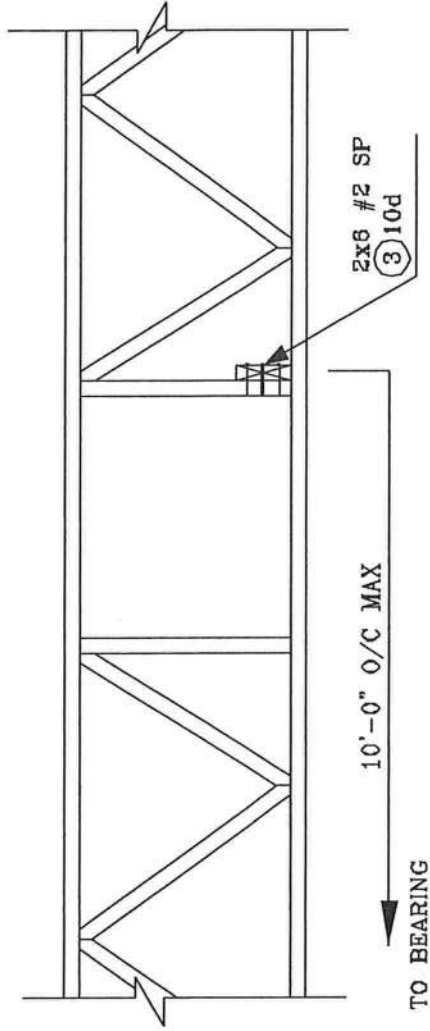
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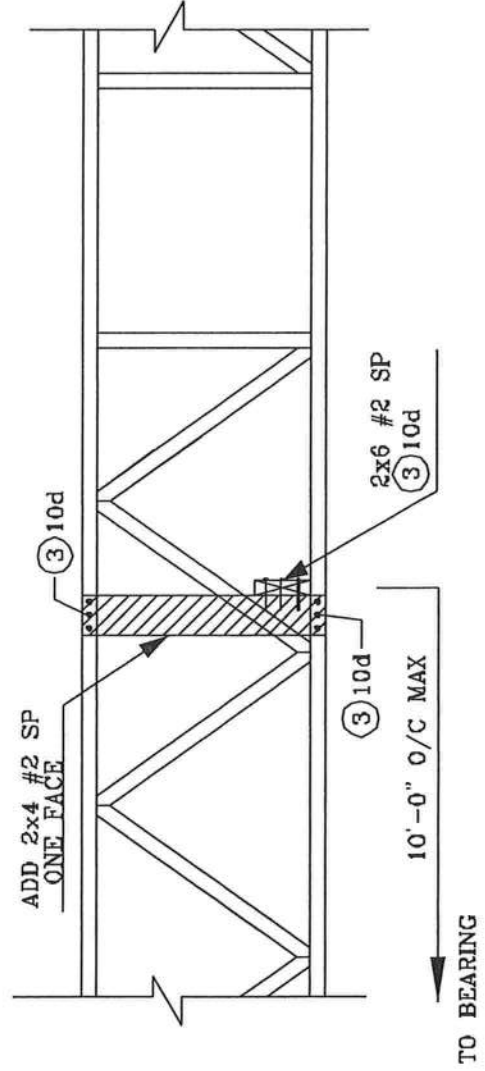
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STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS



ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



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DELRAY BEACH, FL 33444-2661

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