DATE 07/07/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027142

APPLICANT RICHARD J. KEEN PHONE 386.623.4629

ADDRESS 650 S.MAIN BLVD. LAKE CITY FL 32025

OWNER STANLEY & CLARA KNEPPAR PHONE 386.752.2574

ADDRESS 483 SW LOCKHEED LANE LAKE CITY FL 32025

CONTRACTOR JAMES H. JOHNSTON PHONE 386.365.5999

LOCATION OF PROPERTY 90-W TO C-341,TL TO LOCKHEED LN,TL GO TO THE VERY END AND IT'S ON THE L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 166350.00

HEATED FLOOR AREA 2226.00 TOTAL AREA 3327.00 HEIGHT 21.30 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 12-4S-16-02935-106 SUBDIVISION CANNON CREEK ESTATES

LOT 6 BLOCK PHASE UNIT TOTAL ACRES 6.37

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CRC1328128	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	08-0358-N	BLK	WR	N

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 1982

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 $ 835.00 CERTIFICATION FEE $ 16.64 SURCHARGE FEE $ 16.64

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 $ **TOTAL FEE** 943.28

INSPECTORS OFFICE CLERKS OFFICE CH

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 PROGESS 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.

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 12-4S-16-02935-106 **Building permit No.** 000027142

Use Classification SFD/UTILITY **Fire:** 48.88

Permit Holder JAMES H. JOHNSTON **Waste:** 67.00

Owner of Building STANLEY & CLARA KNEPPAR **Total:** 115.88

Location: 483 SW LOCKHEED LANE, LAKE CITY, FL

Date: 06/15/2009

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Columbia County Building Permit Application

For Office Use Only Application # 0806-42 Date Received 6/23 By JW Permit # 27142

Zoning Official BLK Date 27.06.08 Flood Zone X FEMA Map # N/A Zoning RSF-2

Land Use RES. Low Den Elevation N/A MFE 1st floor Rd River N/A Plans Examiner LWP Date 6/27/08

Comments

~~NOC~~ ~~EH~~ ~~Deed or PA~~ ~~Site Plan~~ ~~State Road Info~~ Parent Parcel #

Dev Permit # In Floodway Letter of Authorization from Contractor

Unincorporated area Incorporated area Town of Fort White Town of Fort White Compliance letter

Septic Permit No. 08-0358N RICHARD KEEN OK 623-4629 Fax 752-0078

Name Authorized Person Signing Permit James Johnston Phone 365-5999

Address 650 S Main Blvd. Lake City FL 32025

Owners Name Stanley + Clara Kneppar Phone 752-2574

911 Address 483 SW Lockheed Lane Lake City FL 32025

Contractors Name James Johnston Phone 365-5999

Address 650 S Main Blvd Lake City, FL 32025

Fee Simple Owner Name & Address Stanley + Clara Kneppar 8109 Hibiscus Lane Tavamar FL. 33323

Bonding Co. Name & Address —

Architect/Engineer Name & Address William Freeman 128 SW Nassau St. L.C. FL.

Mortgage Lenders Name & Address CASH

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progress Energy

Property ID Number 12-4S-16-02935-106 Estimated Cost of Construction 207,000.00

Subdivision Name Cannon Creek Estates 1st Lot 6 Block Unit Phase

Driving Directions 90 W, Turn Left on Sisters Welcome, go down to SW Lockheed Lane turn left, go to end on left.

Number of Existing Dwellings on Property 0

Construction of SFD Total Acreage 6.37 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 21'3"

Actual Distance of Structure from Property Lines - Front 349 Side 170 Side 102 Rear 375

Number of Stories 1 Heated Floor Area 2226 Total Floor Area 3327 Roof Pitch 6/12

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.

: JW: called RK Ok ON 6.27.08

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT I 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 othe 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.

X Clara Knepper 5/30/08
Owners Signature

ALEXANDRA LEHRER NOTARY PUBLIC STATE OF FLORIDA My Comm. Expires March 27, 2010 DD 513324

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 CRC 1328128
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 23 **day of** June **20** 08.
Personally known ____ **or Produced Identification** _____

Laurie Hodson
State of Florida Notary Signature (For the Contractor)

SEAL:

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Revised 11-30-07

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 12-4S-16-02935-106

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT**.

1. Description of property *(legal description)*: Lot 6 Cannon Creek Estates
   a) Street *(job)* Address: SW Lockheed Lane
2. General description of improvements: Build SFD
3. Owner Information
   a) Name and address: Stanley + Clara Kreppar 8109 Hibiscus Lane Taramar FL 33323
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property 100%
4. Contractor Information
   a) Name and address: James H. Johnston 650 SW Main Blvd. Lake City FL 32025
   b) Telephone No.: 386-755-2826 Fax No. (Opt.) _____
5. Surety Information
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.)
6. Lender
   a) Name and address: _____
   b) Phone No. _____

Inst:200812011831 Date:6/23/2008 Time:11:31 AM
DC P.DeWitt Cason Columbia County Page 1 of 1 B:1152 P:2786

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____

9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. S R Kreppar Clara Kreppar
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

S. R. Kreppar Clara Kreppar
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 30 **day of** May, 20 08, **by:**

_____ **as** _____ **(type of authority, e.g. officer, trustee, attorney fact) for** _____ **(name of party on behalf of whom instrument was executed).**

Personally Known ____ **OR Produced Identification** ✓ **Type** FLDL

Notary Signature _____ **Notary Stamp or Seal:**

ALEXANDRA LEHNERT NOTARY PUBLIC My Comm. Expires March 27, 2009 DD 513324 STATE OF FLORIDA

---AND---

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

S R Kreppar
Signature of Natural Person Signing (in line #10 above.)

This document prepared by (and after recording Return to):
Name: Michael Kneppar
Firm/Company:
Address: Lot 6 Cannon Creek Estates
Address 2: 417 SW Lockheed Lane
City, State, Zip: Lake City, Florida, 32025
Phone: 386-965-6453

Inst:200712027199 Date:12/11/2007 Time:10:50 AM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 2

Property Appraiser Parcel Identification Number= 12-4S-[redacted]

QUITCLAIM DEED (Individual to Individual)

THIS QUITCLAIM DEED, Made the 11 Day of December, 2007, by

Michael L. Kneppar an Individual, hereinafter referred to as "Grantor", to

Stanley and Clara Kneppar Joint, hereinafter called "Grantee."

Witnesseth, that the Grantor, for and in consideration of the sum of ten dollars ($10.00), and other good and valuable consideration, cash in hand paid, the receipt and sufficiency of which is herby acknowledged, does hereby remise, release, and quitclaim unto Grantee the following lands and property, together with all improvements located thereon, lying in the County of Columbia, State of Florida, to-wit: Lot 6 Cannon Creek Estates S/D, Lake City, Florida, 32025

Describe Property of State "SEE DESCRIPTION ATTACHED"

LOT 6 CANNON CREEK ESTATES S/D ORB 710-502, 745-1237, 826-1323, 904-2415. WD 1090- 2429.

Prior instrument reference: Book ____, Page ____, Document No. _____, of the Public Records of the Clerk of the Court for Columbia County, Florida.

Said Address: Lot 6 Cannon Creek Estates, Lake City, Florida 32025

LESS AND EXCEPT all oil, gas and minerals, on and under the above described property owned by Grantor, if any, which are reserved by Grantor.

SUBJECT to restrictions, reservations, easements, and covenants of record, reference hereto will not serve to reimpose the same.

TO HAVE AND TO HOLD the same together with all and singular the appurtenances thereunto belonging or in anywise appertainting, and all the estate, right, title interest, lien equity and claim whatsoever of the said Grantor(s), either in law or equity, to the only properuse, benefit and behalf of the Grantee(s) forever.

Taxes for the year _____ shall be __ prorated between Grantor and Grantee as of the date selected by Grantor and Grantee, or ____ paid by Grantee, or X paid by Grantor.

The property herein conveyed X is not part of the homestead of Grantor, or ____ is part of the homestead of Grantor and if Grantor is married, the conveyance is joined by bother Husband and Wife.

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 5/9/2008 **DATE ISSUED:** 5/12/2008

ENHANCED 9-1-1 ADDRESS:

483 SW LOCKHEED LN

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

12-4S-16-02935-106

Remarks:

LOT 6 CANNON CREEK ESTATES S/D

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1186

A & B Well Drilling, Inc.
5673 NW Lake Jeffery Road
Lake City, FL, 32055
386-758-3409

6/18/2008

To: Suwannee County Building Department

Description of well to be installed for Customer: Knepper
Located at Address: SW Lockwood Lane Lake City

1 hp 20 gpm- 1 ¼" drop over 82 gallon equivalent captive tank with cycle stop and back flow prevention. With SRWM permit.

William Bias

William Bias

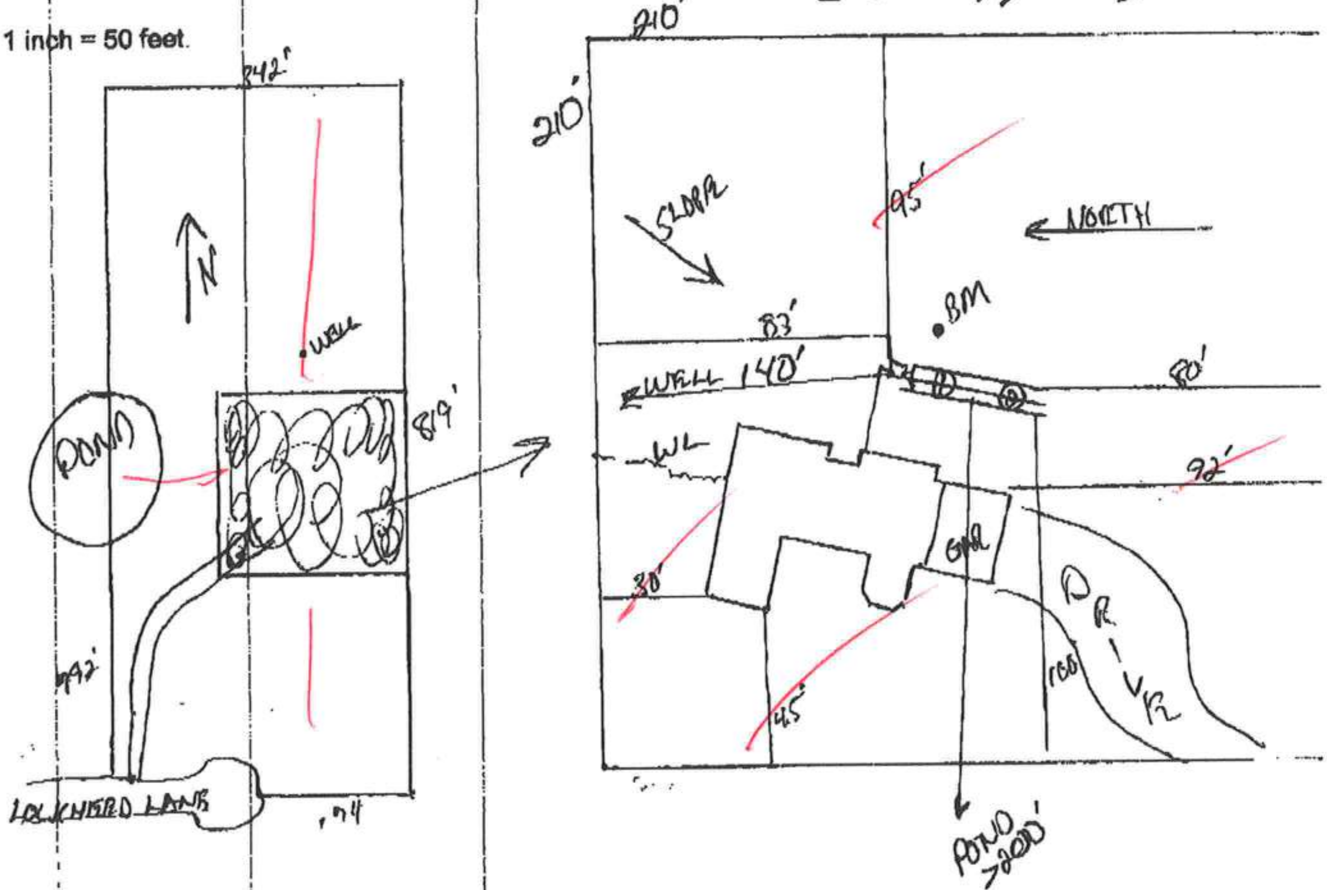
08-0358-N

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number____________

PART II - SITEPLAN (Kneppar)

Scale: 1 inch = 50 feet.



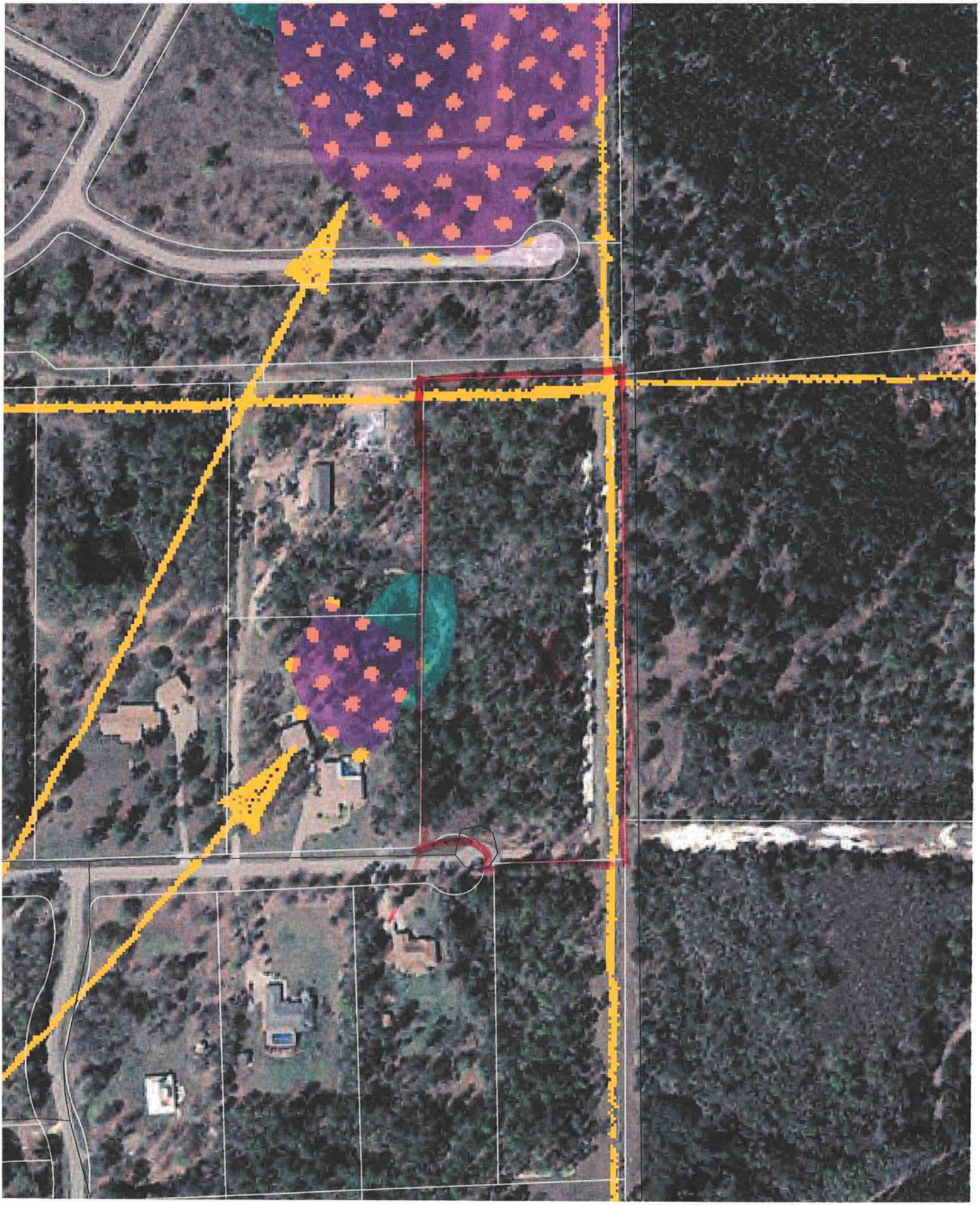
Notes: 1 of 6.3 Acres

Site Plan submitted by: [signature] MASTER CONTRACTOR

Plan Approved ✓ Not Approved_____ Date 5-8-08

By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



0806-42

FORM 600A-2004R

EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Kneppar Residence**	Builder:	
Address:		Permitting Office:	~~Lake City~~ Columbia
City, State:	**Lake City, FL**	Permit Number:	2742
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 32.0 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 (ft²)	2184.8 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 32.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 184.0 ft²		HSPF: 8.50
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 184.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 300.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.94
9. Wall types		b. N/A	
a. Face Brick, Wood, Exterior	R=13.0, 1929.5 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 2184.8 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 80.0 ft		
b. N/A			

Glass/Floor Area: 0.08

Total as-built points: 20585

Total base points: 28441

PASS

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

PREPARED BY: Melissa A Mateo

DATE: 6-17-08

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

OWNER/AGENT: _____

DATE: 6-23-08

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: , **Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2184.8	18.59	7311.0	1.Double, Clear	N	110.	10.0	24.0	19.20	0.59	273.0
				2.Double, Clear	N	1.0	6.0	16.0	19.20	0.98	299.0
				3.Double, Clear	S	6.0	10.0	54.0	35.87	0.61	1187.0
				4.Double, Clear	S	1.0	6.0	54.0	35.87	0.94	1828.0
				5.Double, Clear	E	1.0	6.0	36.0	42.06	0.97	1468.0
				As-Built Total:				**184.0**			**5055.0**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	1. Face Brick, Wood, Exterior			13.0	1929.5	0.35		675.3
Exterior	1929.5	1.70	3280.2								
Base Total:	**1929.5**		**3280.2**	**As-Built Total:**				**1929.5**			**675.3**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				33.0	4.10		135.3
Exterior	71.3	6.10	434.8	2.Exterior Insulated				19.8	4.10		81.2
				3.Exterior Insulated				18.5	4.10		75.8
Base Total:	**71.3**		**434.8**	**As-Built Total:**				**71.3**			**292.2**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	2184.8	1.73	3779.7	1. Under Attic			30.0	2184.8	1.73 X 1.00		3779.7
Base Total:	**2184.8**		**3779.7**	**As-Built Total:**				**2184.8**			**3779.7**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	300.0(p)	-37.0	-11100.0	1. Slab-On-Grade Edge Insulation			0.0	300.0(p	-41.20		-12360.0
Raised	0.0	0.00	0.0								
Base Total:			**-11100.0**	**As-Built Total:**				**300.0**			**-12360.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	2184.8	10.21	22306.8					2184.8	10.21		22306.8

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 26012.5			**Summer As-Built Points:**					**19749.1**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 32000btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS)					
26012.5	**0.3250**	**8454.1**	19749 **19749.1**	1.00 **1.00**	(1.00 x 1.147 x 0.91) **1.044**	0.260 **0.260**	0.902 **0.902**	4837.0 **4837.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , **Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2184.8	20.17	7932.0	1.Double, Clear	N	110.	10.0	24.0	24.58	1.03	605.0
				2.Double, Clear	N	1.0	6.0	16.0	24.58	1.00	393.0
				3.Double, Clear	S	6.0	10.0	54.0	13.30	1.90	1361.0
				4.Double, Clear	S	1.0	6.0	54.0	13.30	1.02	734.0
				5.Double, Clear	E	1.0	6.0	36.0	18.79	1.02	687.0
				As-Built Total:				**184.0**			**3780.0**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	1. Face Brick, Wood, Exterior			13.0	1929.5	3.17		6126.2
Exterior	1929.5	3.70	7139.1								
Base Total:	**1929.5**		**7139.1**	**As-Built Total:**				**1929.5**			**6126.2**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				33.0	8.40		277.2
Exterior	71.3	12.30	876.7	2.Exterior Insulated				19.8	8.40		166.3
				3.Exterior Insulated				18.5	8.40		155.2
Base Total:	**71.3**		**876.7**	**As-Built Total:**				**71.3**			**598.8**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	2184.8	2.05	4478.8	1. Under Attic			30.0	2184.8	2.05 X	1.00	4478.8
Base Total:	**2184.8**		**4478.8**	**As-Built Total:**				**2184.8**			**4478.8**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	300.0(p)	8.9	2670.0	1. Slab-On-Grade Edge Insulation			0.0	300.0(p	18.80		5640.0
Raised	0.0	0.00	0.0								
Base Total:			**2670.0**	**As-Built Total:**				**300.0**			**5640.0**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	2184.8	-0.59	-1289.0					2184.8	-0.59		-1289.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**21807.7**	**Winter As-Built Points:**					**19334.7**
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
			(sys 1: Electric Heat Pump 32000 btuh ,EFF(8.5) Ducts:Con(S),Con(R),Int(AH),R6.0					
21807.7	**0.5540**	**12081.5**	19334.7 **19334.7**	1.000 **1.00**	(1.000 x 1.169 x 0.93) **1.087**	0.401 **0.401**	0.950 **0.950**	8011.1 **8011.1**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	50.0	0.94	3	1.00	2578.94	1.00	7736.8	
				As-Built Total:						**7736.8**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8454	**12081**	**7905**	**28441**	**4837**	**8011**	**7737**	**20585**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , **Lake City, FL,** 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 cir 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* = 89.6

The higher the score, the more efficient the home.

, , Lake City, FL,

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)	2184.8 ft²		
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a.	U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 184.0 ft²		
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 184.0 ft²		
8.	Floor types			
a.	Slab-On-Grade Edge Insulation	R=0.0, 300.0(p) ft		
b.	N/A			
c.	N/A			
9.	Wall types			
a.	Face Brick, Wood, Exterior	R=13.0, 1929.5 ft²		
b.	N/A			
c.	N/A			
d.	N/A			
e.	N/A			
10.	Ceiling types			
a.	Under Attic	R=30.0, 2184.8 ft²		
b.	N/A			
c.	N/A			
11.	Ducts			
a.	Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 80.0 ft		
b.	N/A			
12.	Cooling systems			
a.	Central Unit		Cap: 32.0 kBtu/hr SEER: 13.00	
b.	N/A			
c.	N/A			
13.	Heating systems			
a.	Electric Heat Pump		Cap: 32.0 kBtu/hr HSPF: 8.50	
b.	N/A			
c.	N/A			
14.	Hot water systems			
a.	Electric Resistance		Cap: 50.0 gallons EF: 0.94	
b.	N/A			
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)			
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		PT, CF,	

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 EnergyStar™ 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.

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	Kneppar Residence	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	(blank)	**New/Existing:**	New	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	3	**Subdivision:**	N/A
Builder Name:	(blank)	**Conditioned Area:**	2184.8	**Platbook:**	N/A
Climate:	North	**Total Stories:**	1	**Street:**	(blank)
Permit Office:	Lake City	**Worst Case:**	No	**County:**	Columbia
Jurisdiction #:	(blank)	**Rotate Angle:**	(blank)	**City, St, Zip:**	Lake City, FL,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	300.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Insulated	Exterior	33.0 ft²	1
2	Insulated	Exterior	19.8 ft²	1
3	Insulated	Exterior	18.5 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	30.0	2184.8 ft²	2184.8 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity
1	Central Unit	SEER: 13.00	32.0 kBtu/hr

Credit Multipliers: Ceil Fn, PT

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Face Brick - Wood	Exterior	13.0	1929.5 ft²	1

HEATING

#	System Type	Efficiency	Capacity
1	Electric Heat Pump	HSPF: 8.50	32.0 kBtu/hr

Credit Multipliers: PT

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Double	Clear	N	24.0 ft²	110.0 ft	10.0 ft	1
2	Double	Clear	N	16.0 ft²	1.0 ft	6.0 ft	1
3	Double	Clear	S	18.0 ft²	6.0 ft	10.0 ft	3
4	Double	Clear	S	18.0 ft²	1.0 ft	6.0 ft	3
5	Double	Clear	E	18.0 ft²	1.0 ft	6.0 ft	2

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
1	Cond.	Cond.	Interior	6.0	80.0 ft

Credit Multipliers: None

WATER

#	System Type	EF	Cap.	Conservation Type	Con. EF
1	Electric Resistance	0.94	50.0	None	0.00

REFR.

#	Use Default?	Annual Operating Cost	Electric Rate
1	Yes	N/A	N/A

MISC

Rater Name:	CodeOnlyPro	**Class #:**	3	**Pool Size:**	0
Rater Certification #:	CodeOnlyPro	**Duct Leakage Type:**	N/A	**Pump Size:**	0.00 hp
Area Under Fluorescent:	0.0	**Visible Duct Disconnects:**	N/A	**Dryer Type:**	Electric
Area Under Incandescent:	2184.8	**Leak Free Duct System Proposed:**	No	**Stove Type:**	Electric
NOTE: Not all Rating info shown		**HRV/ERV System Present?:**	No	**Avg Ceil Hgt:**	

Residential System Sizing Calculation

Summary

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

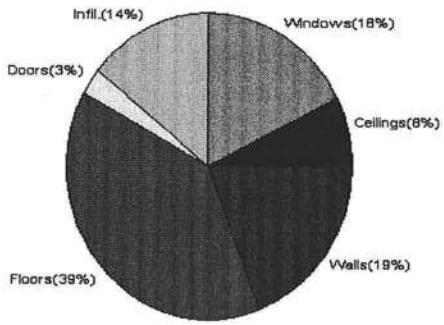
6/17/2008

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	**33575**	**Btuh**	**Total cooling load calculation**	**17765**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	95.3	32000	Sensible (SHR = 0.75)	157.5	24000
Heat Pump + Auxiliary(0.0kW)	95.3	32000	Latent	316.3	8000
			Total (Electric Heat Pump)	180.1	32000

WINTER CALCULATIONS

Winter Heating Load (for 2185 sqft)

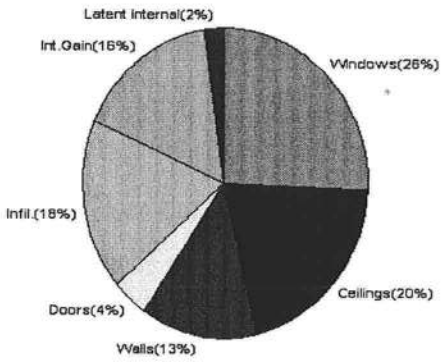
Load component			Load	
Window total	184	sqft	5923	Btuh
Wall total	1930	sqft	6337	Btuh
Door total	71	sqft	923	Btuh
Ceiling total	2185	sqft	2574	Btuh
Floor total	300	sqft	13098	Btuh
Infiltration	117	cfm	4720	Btuh
Duct loss			0	Btuh
Subtotal			**33575**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**33575**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2185 sqft)

Load component			Load	
Window total	184	sqft	4578	Btuh
Wall total	1930	sqft	2398	Btuh
Door total	71	sqft	699	Btuh
Ceiling total	2185	sqft	3618	Btuh
Floor total			0	Btuh
Infiltration	58	cfm	1084	Btuh
Internal gain			2860	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**15236**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			2129	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			400	Btuh
Total latent gain			**2529**	**Btuh**
TOTAL HEAT GAIN			**17765**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Debbie H Mathis
DATE: 6-17-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

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

6/17/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	24.0	32.2	773 Btuh
2	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
3	2, Clear, Metal, 0.87	S	54.0	32.2	1738 Btuh
4	2, Clear, Metal, 0.87	S	54.0	32.2	1738 Btuh
5	2, Clear, Metal, 0.87	E	36.0	32.2	1159 Btuh
	Window Total		184(sqft)		5923 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	1930	3.3	6337 Btuh
	Wall Total		1930		6337 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		18	12.9	239 Btuh
2	Insulated - Exterior		20	12.9	256 Btuh
3	Insulated - Exterior		33	12.9	427 Btuh
	Door Total		71		923Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2185	1.2	2574 Btuh
	Ceiling Total		2185		2574Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	300.0 ft(p)	43.7	13098 Btuh
	Floor Total		300		13098 Btuh
				Envelope Subtotal:	28855 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.32	21848	1930 116.5	4720 Btuh
Ductload				(DLM of 0.000)	0 Btuh
All Zones				**Sensible Subtotal All Zones**	**33575 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	33575 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33575 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

6/17/2008

EQUIPMENT		
1. Electric Heat Pump	#	32000 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

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

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

6/17/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	24.0	32.2	773 Btuh
2	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
3	2, Clear, Metal, 0.87	S	54.0	32.2	1738 Btuh
4	2, Clear, Metal, 0.87	S	54.0	32.2	1738 Btuh
5	2, Clear, Metal, 0.87	E	36.0	32.2	1159 Btuh
	Window Total		184(sqft)		5923 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	1930	3.3	6337 Btuh
	Wall Total		1930		6337 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		18	12.9	239 Btuh
2	Insulated - Exterior		20	12.9	256 Btuh
3	Insulated - Exterior		33	12.9	427 Btuh
	Door Total		71		923Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	2185	1.2	2574 Btuh
	Ceiling Total		2185		2574Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	300.0 ft(p)	43.7	13098 Btuh
	Floor Total		300		13098 Btuh
			Zone Envelope Subtotal:		28855 Btuh

Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	21848	1930	116.5	4720 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)(DLM of 0.000)					0 Btuh
Zone #1	**Sensible Zone Subtotal**					**33575 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	33575 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33575 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

6/17/2008

EQUIPMENT

1. Electric Heat Pump	#	32000 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

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 6/17/2008

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, B-D, N,F	N	110ft	10ft.	24.0	0.0	24.0	19	19	448 Btuh
2	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	16.0	0.0	16.0	19	19	299 Btuh
3	2, Clear, 0.87, B-D, N,F	S	6ft.	10ft.	54.0	54.0	0.0	19	23	1009 Btuh
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	54.0	54.0	0.0	19	23	1009 Btuh
5	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	36.0	5.0	31.0	19	55	1813 Btuh
	Window Total				184 (sqft)					4578 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Face Brick - Wood - Ext		13.0/0.09		1929.5			1.2		2398 Btuh
	Wall Total				1930 (sqft)					2398 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Exterior				18.5			9.8		181 Btuh
2	Insulated - Exterior				19.8			9.8		194 Btuh
3	Insulated - Exterior				33.0			9.8		323 Btuh
	Door Total				71 (sqft)					699 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		2184.8			1.7		3618 Btuh
	Ceiling Total				2185 (sqft)					3618 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		300 (ft(p))			0.0		0 Btuh
	Floor Total				300.0 (sqft)					0 Btuh
						Envelope Subtotal:				11292 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)	CFM=		Load
	SensibleNatural		0.16		21848		1930	116.5		1084 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			2		X 230	+		2400		2860 Btuh
						Sensible Envelope Load:				15236 Btuh
Duct load						(DGM of 0.000)				0 Btuh
						Sensible Load All Zones				**15236 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

6/17/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**15236 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**15236 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**15236 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	2129 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**2529 Btuh**
	TOTAL GAIN	**17765 Btuh**

EQUIPMENT

1. Central Unit	#	32000 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

Project Title: Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 6/17/2008

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, B-D, N,F	N	110ft	10ft.	24.0	0.0	24.0	19	19	448 Btuh
2	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	16.0	0.0	16.0	19	19	299 Btuh
3	2, Clear, 0.87, B-D, N,F	S	6ft.	10ft.	54.0	54.0	0.0	19	23	1009 Btuh
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	54.0	54.0	0.0	19	23	1009 Btuh
5	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	36.0	5.0	31.0	19	55	1813 Btuh
	Window Total				184 (sqft)					4578 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Face Brick - Wood - Ext		13.0/0.09		1929.5			1.2		2398 Btuh
	Wall Total				1930 (sqft)					2398 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Exterior				18.5			9.8		181 Btuh
2	Insulated - Exterior				19.8			9.8		194 Btuh
3	Insulated - Exterior				33.0			9.8		323 Btuh
	Door Total				71 (sqft)					699 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		2184.8			1.7		3618 Btuh
	Ceiling Total				2185 (sqft)					3618 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		300 (ft(p))			0.0		0 Btuh
	Floor Total				300.0 (sqft)					0 Btuh
							Zone Envelope Subtotal:			11292 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)	CFM=		Load
	SensibleNatural		0.16		21848		1930	58.3		1084 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			2		X 230		+	2400		2860 Btuh
							Sensible Envelope Load:			15236 Btuh
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)							(DGM of 0.000)		0 Btuh
							Sensible Zone Load			**15236 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

Lake City, FL

6/17/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**15236 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**15236 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**15236 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	2129 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**2529 Btuh**
	TOTAL GAIN	**17765 Btuh**

EQUIPMENT

1. Central Unit	#	32000 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

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

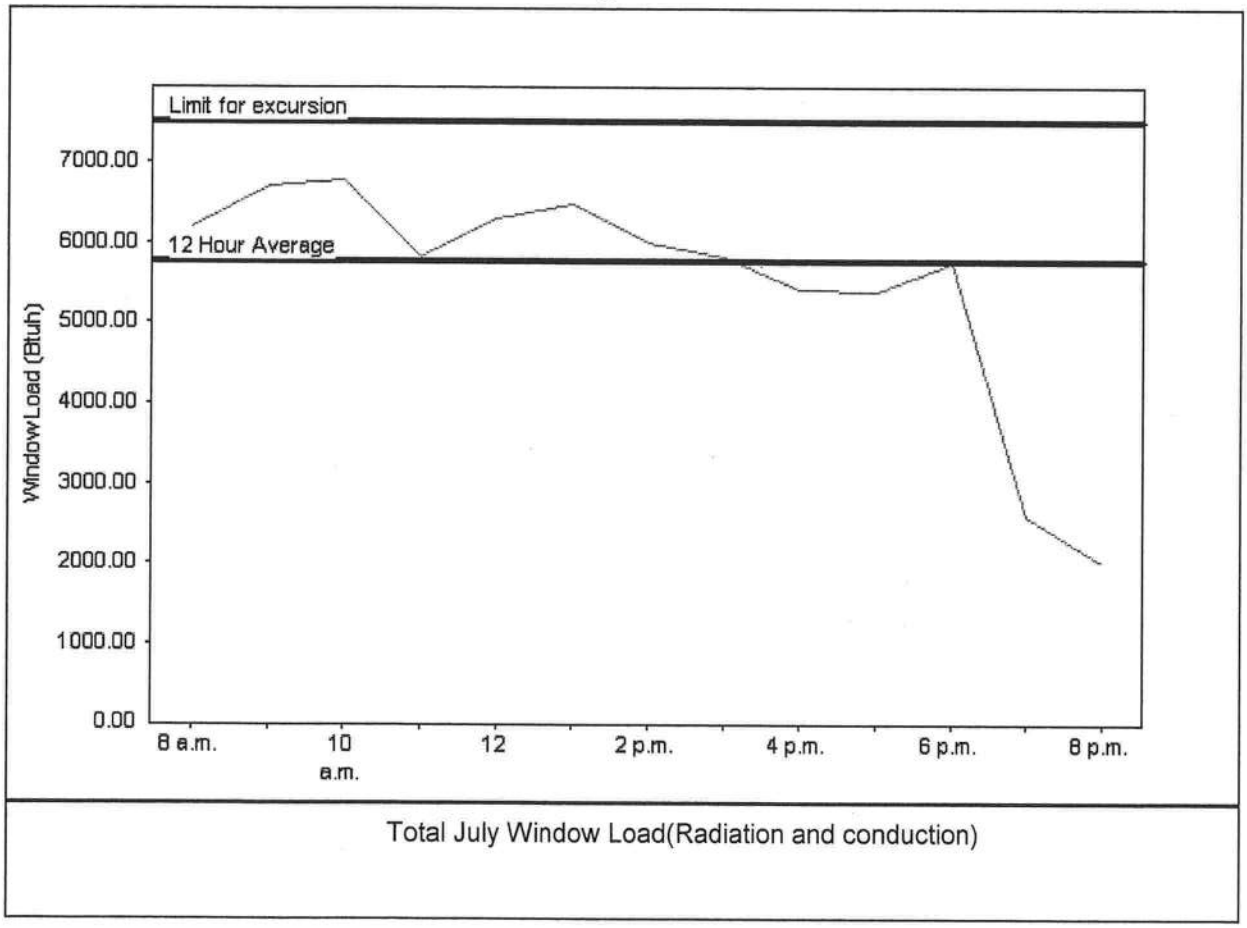
Lake City, FL

6/17/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	5769 Btuh
Summer setpoint	75 F	Peak window load for July	6784 Btuh
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	7500 Btuh
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: Debbie A Mates
DATE: 6-17-08

Energy Code + Manual J

Summary Energy Code Results

Residential Whole Building Performance Method A

Lake City, FL

Project Title:
Kneppar Residence

Code Only
Professional Version
Climate: North

6/17/2008

Building Loads			
Base		As-Built	
Summer:	**26012 points**	Summer:	**19749 points**
Winter:	**21808 points**	Winter:	**19335 points**
Hot Water:	**7273 points**	Hot Water:	**7273 points**
Total:	**55093 points**	Total:	**46356 points**

Energy Use			
Base		As-Built	
Cooling:	**8454 points**	Cooling:	**4837 points**
Heating:	**12081 points**	Heating:	**8011 points**
Hot Water:	**7905 points**	Hot Water:	**7737 points**
Total:	**28441 points**	Total:	**20585 points**

PASS
e-Ratio: 0.72

EnergyGauge®(Version: FLRCPB v4.5)

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Cannon Creek e - Lake City **Project Name:** Knepper Residence

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS	Therma Tru	Door w/ Sidelite Inswing/Outswing	FL 7186.2
1. Swinging			
2. Sliding			
3. Sectional	Clopay	Double Car Garage	FL 5684.2
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Kinko, Ltd	Aluminum Single Hung	FL 123.3
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	GAF MATERIALS	FIBERGLASS REINFORCED	FL 183.1
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # **(FOR STAFF USE ONLY)**

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006 Supplements and One (1) and Two (2) Family Dwellings

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED 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 SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) **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

GENERAL REQUIREMENTS;

- ✓ Two (2) complete sets of plans containing the following:
- ✓ All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- ✓ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ✓ Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

- ✓ Dimensions of lot or parcel of land
- ✓ Dimensions of all building set backs
- ✓ Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.
- ✓ Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required:

- ✓ Plans or specifications must meet state compliance with FRC Chapter 3
- ✓ The following information must be shown as per section FRC
- ✓ Basic wind speed (3-second gust), miles per hour
- ✓ Wind importance factor and nature of occupancy
- ✓ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ✓ The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m^2), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.

Elevations Drawing including:

- ✓ All side views of the structure
- ✓ Roof pitch
- ✓ Overhang dimensions and detail with attic ventilation
- o Location, size and height above roof of chimneys
- o Location and size of skylights with Florida Product Approval
- ✓ Number of stories
- ✓ e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- ✓ Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- ✓ All exterior and interior shear walls indicated
- ✓ Shear wall opening shown (Windows, Doors and Garage doors
- ✓ Emergency escape and rescue opening in each bedroom (net clear opening shown)
- ✓ Safety glazing of glass where needed
- o Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- o Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- ✓ Plans must show and identify accessibility of bathroom (see FRC 322)

All materials placed within opening or onto/into exterior shear walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

Foundation Plans Per FRC 403:

- ✓ a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- ✓ b) All posts and/or column footing including size and reinforcing
- ✓ c) Any special support required by soil analysis such as piling.
- ✓ d) Assumed load-bearing valve of soil_____ (psf)
- ✓ e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

- ✓ Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
- ✓ Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports

PROTECTION AGAINST TERMITES Per FRC 320:

- ✓ Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- ✓ Show all materials making up walls, wall height, and Block size, mortar type
- ✓ Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

- o Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- o Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers
- o Girder type, size and spacing to load bearing walls, stem wall and/or priers
- o Attachment of joist to girder
- o Wind load requirements where applicable
- o Show required under-floor crawl space
- o Show required amount of ventilation opening for under-floor spaces
- o Show required covering of ventilation opening.
- o Show the required access opening to access to under-floor spaces
- o Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- o Show Draft stopping, Fire caulking and Fire blocking
- o Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- o Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- ✓ Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- ✓ Fastener schedule for structural members per table R602.3 (1) are to be shown.
- ✓ Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing
- ✓ Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- ✓ Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- ✓ Indicate where pressure treated wood will be placed.
- ✓ Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- ✓ A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

ROOF SYSTEMS:

- ✓ Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- ✓ Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- o Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- o Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

- o Rafter and ridge beams sizes, span, species and spacing
- o Connectors to wall assemblies' include assemblies' resistance to uplift rating.
- o Valley framing and support details
- o Provide dead load rating of rafter system.

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- ✓ Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- ✓ Include all materials which will make up the roof assembles covering; with Florida Product Approval numbers for each component of the roof assembles covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- ✓ Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- ✓ Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- ✓ Manual J sizing equipment or equivalent computation
- ✓ Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- ✓ All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- ✓ Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- ✓ Ceiling fans
- ✓ Smoke detectors
- ✓ Service panel, sub-panel, location(s) and total ampere ratings

- ✓ On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.
- ✓ Appliances and HVAC equipment and disconnects
- ✓ Arc Fault Circuits (AFCI) in bedrooms

- o Notarized Disclosure Statement for Owner Builders

- o Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- ✓ Size of pump motor
- ✓ Size of pressure tank
- ✓ Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- ✓ Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.

- ✓ Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

- o Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

- o City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

- o Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is $50.00.

- o Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

- ✓ 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

Builders FirstSource

Project Information for: **L276566**

...	...
Lot :	6
Subdivision:	CANNON CREEK
County:	COLUMBIA
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 structural engineering:

James H. Johnston, III Florida Registered Residential Contractor License No. RR0066976

Address: RT. #15 Box 3693 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

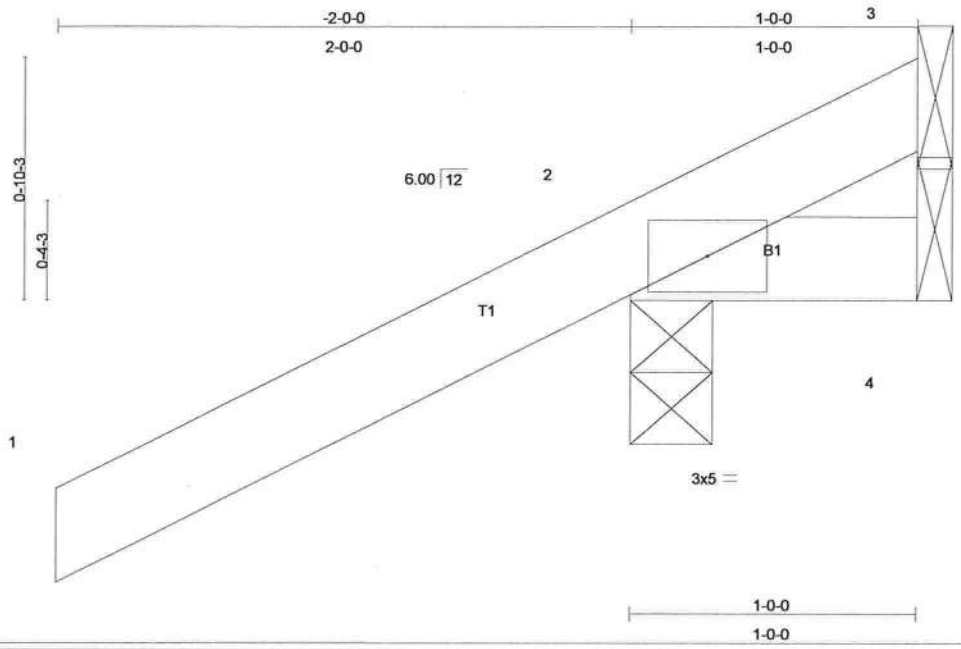
Notes:

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 elelments 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	J1968740	CJ1	5/29/08	29	J1968768	T16	5/29/08
2	J1968741	CJ1A	5/29/08	30	J1968769	T17	5/29/08
3	J1968742	CJ1B	5/29/08	31	J1968770	T18	5/29/08
4	J1968743	CJ3	5/29/08	32	J1968771	T19	5/29/08
5	J1968744	CJ3A	5/29/08	33	J1968772	T20	5/29/08
6	J1968745	CJ5	5/29/08	34	J1968773	T21	5/29/08
7	J1968746	CJ5A	5/29/08	35	J1968774	T22	5/29/08
8	J1968747	EJ6	5/29/08	36	J1968775	T23	5/29/08
9	J1968748	EJ7	5/29/08	37	J1968776	T24	5/29/08
10	J1968749	EJ7A	5/29/08	38	J1968777	T25	5/29/08
11	J1968750	FG1	5/29/08	39	J1968778	T26	5/29/08
12	J1968751	HJ9	5/29/08	40	J1968779	T27	5/29/08
13	J1968752	HJ9A	5/29/08	41	J1968780	T28	5/29/08
14	J1968753	HJ9B	5/29/08	42	J1968781	T29	5/29/08
15	J1968754	T01	5/29/08	43	J1968782	T30	5/29/08
16	J1968755	T02	5/29/08	44	J1968783	T31	5/29/08
17	J1968756	T03	5/29/08	45	J1968784	T32	5/29/08
18	J1968757	T04	5/29/08	46	J1968785	T33	5/29/08
19	J1968758	T05	5/29/08	47	J1968786	T33G	5/29/08
20	J1968759	T06	5/29/08				
21	J1968760	T07	5/29/08				
22	J1968761	T08	5/29/08				
23	J1968762	T09	5/29/08				
24	J1968763	T10	5/29/08				
25	J1968764	T11	5/29/08				
26	J1968765	T12	5/29/08				
27	J1968766	T13	5/29/08				
28	J1968767	T14	5/29/08				

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968740
L276566	CJ1	JACK	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:06 2008 Page 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	0.28	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 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical
Max Horz 2=87(load case 6)
Max Uplift 2=-274(load case 6), 3=-90(load case 1)
Max Grav 2=256(load case 1), 4=14(load case 2), 3=127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/75
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.17

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 274 lb uplift at joint 2 and 90 lb uplift at joint 3.

Continued on page 2

Julius Lee
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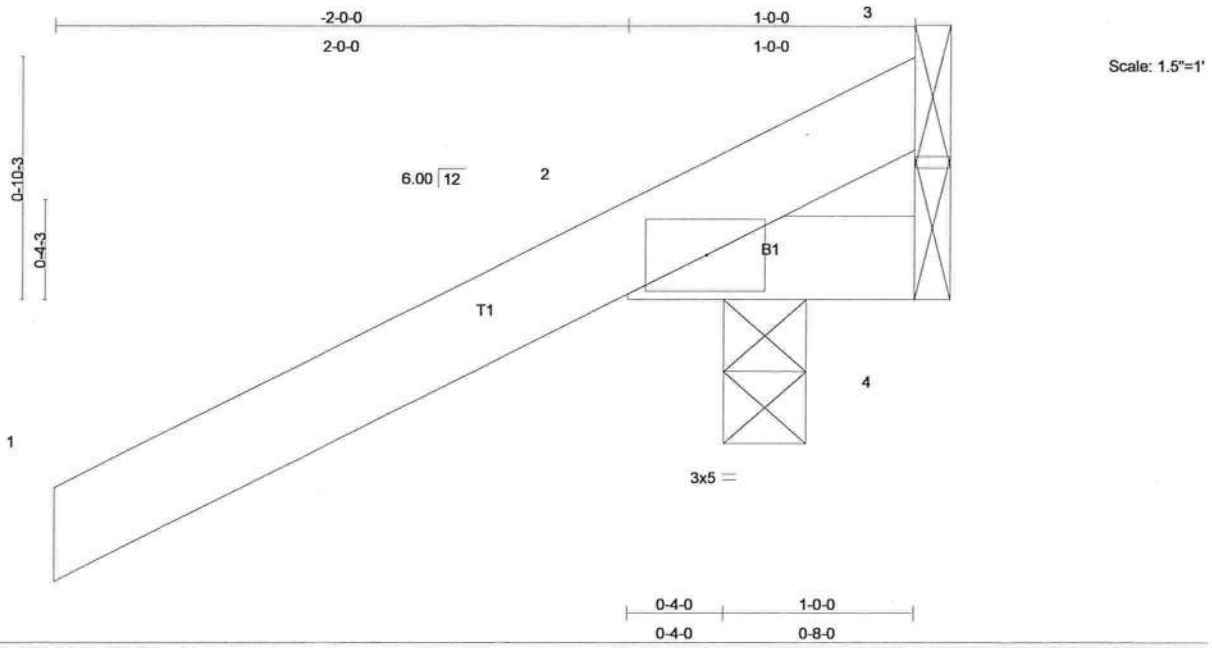
May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968741
L276566	CJ1A	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:07 2008 Page 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	0.28	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 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=5/Mechanical, 2=256/0-3-8, 3=-90/Mechanical
Max Horz 2=87(load case 6)
Max Uplift 2=-274(load case 6), 3=-90(load case 1)
Max Grav 4=14(load case 2), 2=256(load case 1), 3=127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/75
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.17

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; 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 274 lb uplift at joint 2 and 90 lb uplift at joint 3.

Continued on page 2

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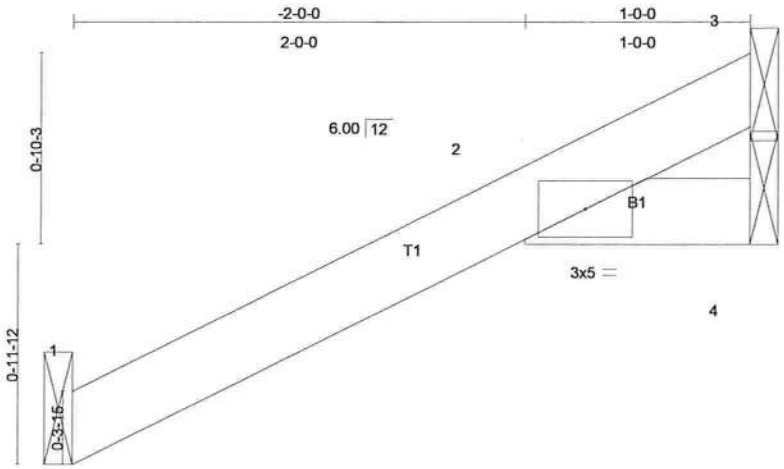
May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968742
L276566	CJ1B	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:08 2008 Page 1



Scale = 1:10.2

Structural sub-fascia beam required. Sub-fascia beam and its connections to be designed and furnished by others.

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	0.02	1-2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.02	1-2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	4	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 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=95/Mechanical, 4=5/Mechanical, 3=89/Mechanical
Max Horz 1=67(load case 6)
Max Uplift 1=-33(load case 6), 4=-9(load case 4), 3=-74(load case 6)
Max Grav 1=95(load case 1), 4=15(load case 2), 3=89(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-62/8, 2-3=-65/40
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.01

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; 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 33 lb uplift at joint 1, 9 lb uplift at joint 4 and 74 lb uplift at joint 3.

Continued on page 2

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968743
L276566	CJ3	JACK	14	1	Job Reference (optional)

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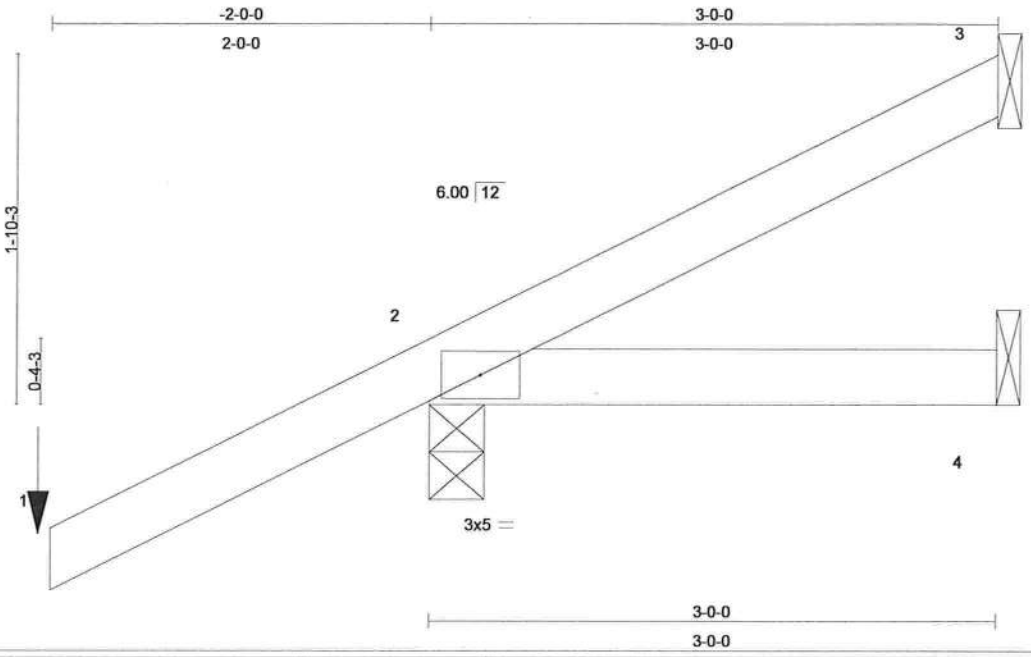

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.00	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=-42/Mechanical, 2=418/0-3-8, 4=14/Mechanical
Max Horz 2=132(load case 6)
Max Uplift 3=-42(load case 2), 2=-286(load case 6)
Max Grav 3=22(load case 6), 2=418(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-33/86, 2-3=-92/10
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.23

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 42 lb uplift at joint 3 and 286 lb uplift at joint 2.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
6) 95# concentrated load from a structural sub-fascia beam. Sub-fascia beam and its connections to be designed and furnished by others.

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

May 29,2008

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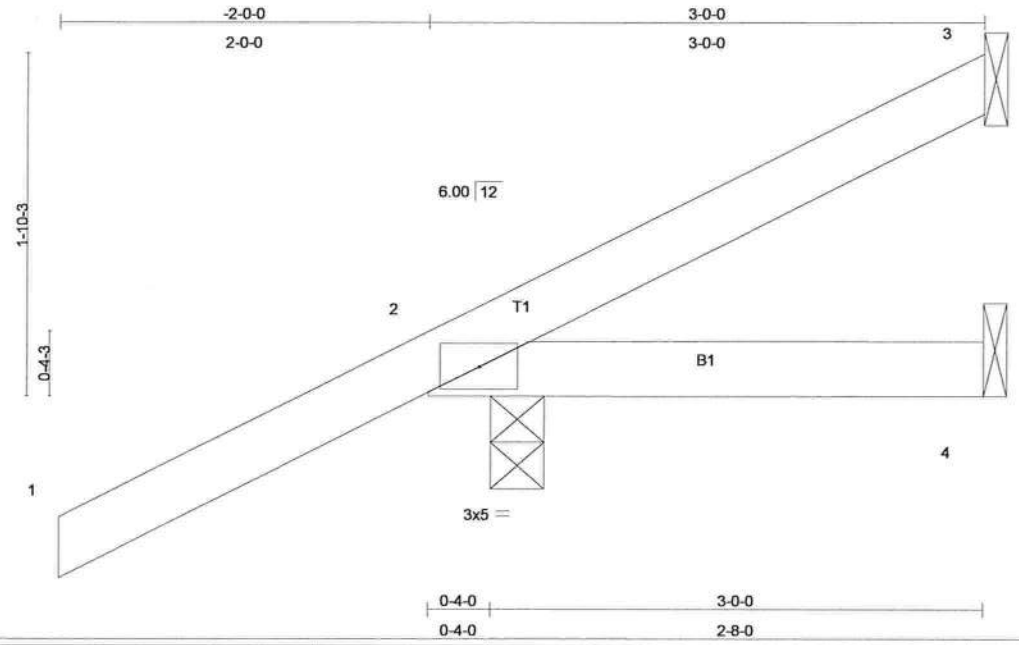
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968744
L276566	CJ3A	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:09 2008 Page 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	0.29	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	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: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical
Max Horz 2=132(load case 6)
Max Uplift 3=-28(load case 7), 2=-238(load case 6), 4=-27(load case 4)
Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.15

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; 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 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968745
L276566	CJ5	JACK	14	1	Job Reference (optional)

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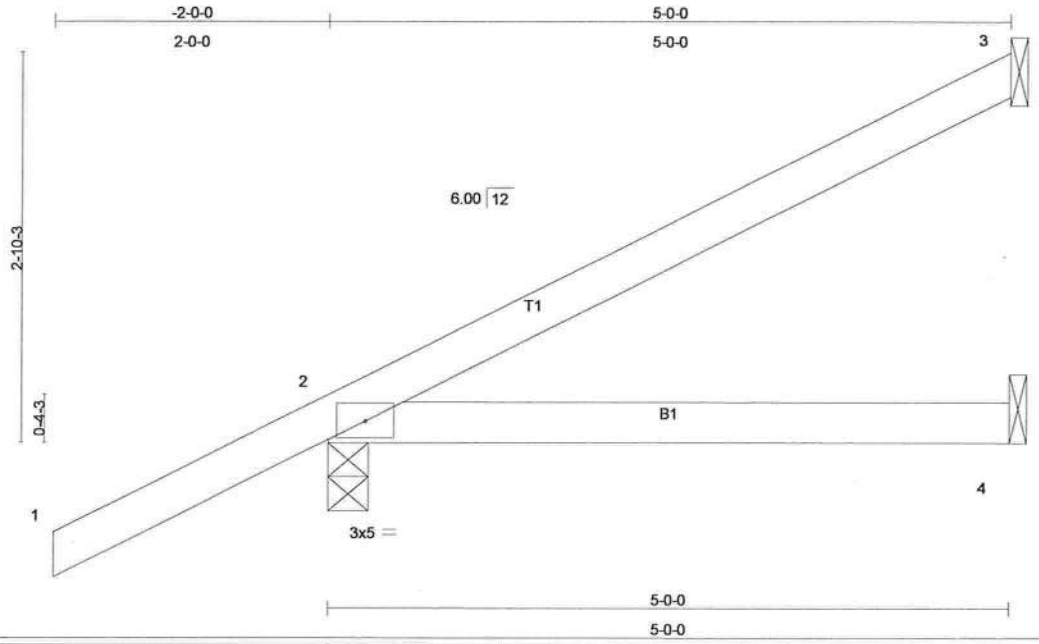

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=178(load case 6)
Max Uplift 3=-87(load case 6), 2=-199(load case 6)
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.17

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

Continued on page 2

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968746
L276566	CJ5A	JACK	4	1	Job Reference (optional)

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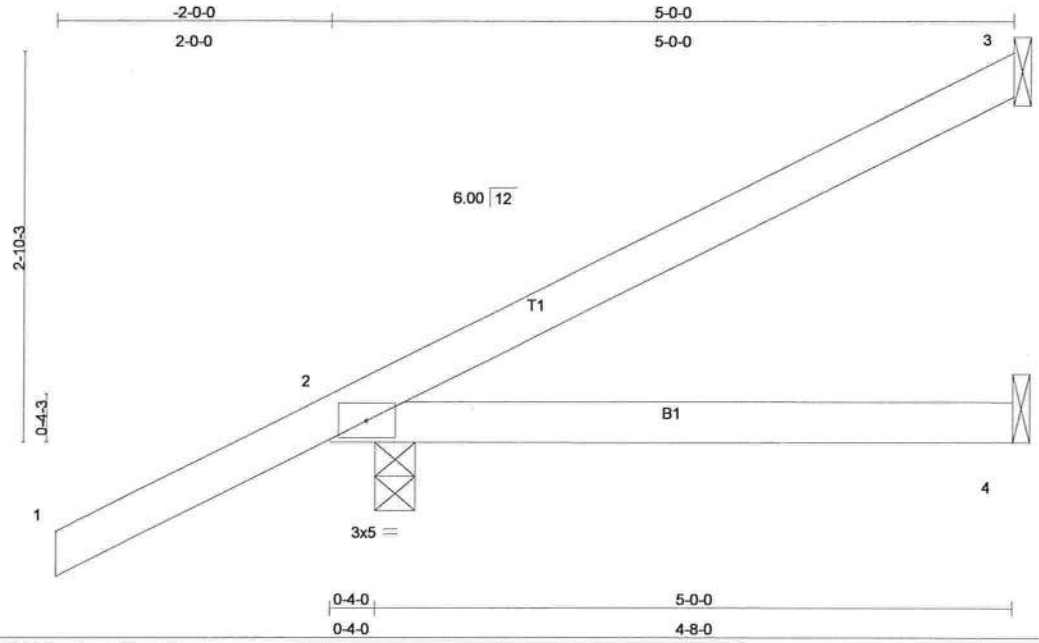

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.09	2-4	>663	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=178(load case 6)
Max Uplift 3=-87(load case 6), 2=-260(load case 6), 4=-46(load case 4)
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.17

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; 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 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

Continued on page 2

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968747
L276566	EJ6	MONO TRUSS	3	1	Job Reference (optional)

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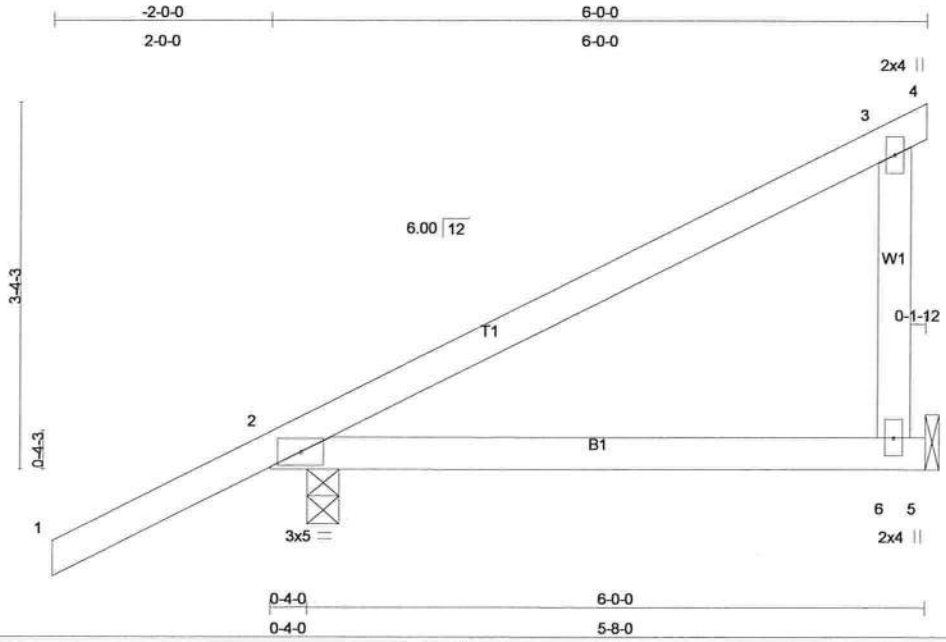

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.16	2-6	>426	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.09	2-6	>764	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 2=316/0-3-8, 6=163/Mechanical
Max Horz 2=201(load case 6)
Max Uplift 2=-269(load case 6), 6=-175(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-104/45, 3-4=-2/0
BOT CHORD 2-6=0/0, 5-6=0/0
WEBS 3-6=-132/177

JOINT STRESS INDEX
2 = 0.18, 3 = 0.09 and 6 = 0.10

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left exposed ; 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 269 lb uplift at joint 2 and 175 lb uplift at joint 6.

Continued on page 2

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May 29,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968748
L276566	EJ7	MONO TRUSS	26	1	Job Reference (optional)

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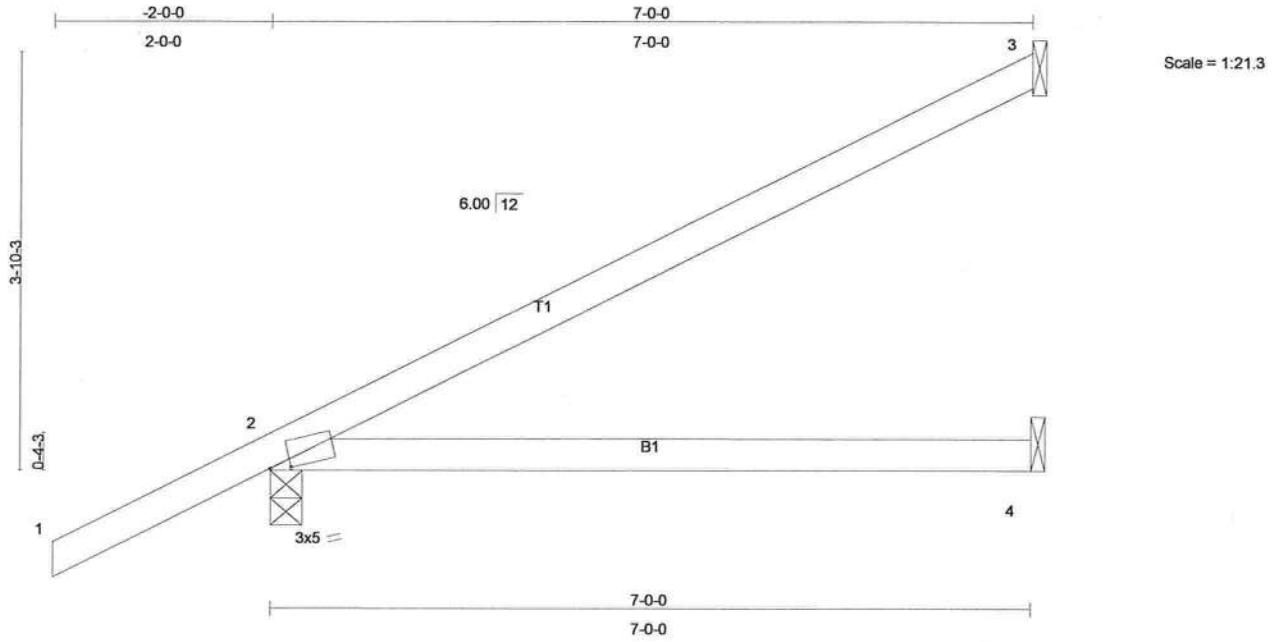

Plate Offsets (X,Y): [2:0-2-5,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.08	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.16	2-4	>501	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: 26 lb	

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

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

REACTIONS (lb/size) 3=154/Mechanical, 2=352/0-3-8, 4=45/Mechanical
Max Horz 2=161(load case 6)
Max Uplift 3=-84(load case 6), 2=-139(load case 6)
Max Grav 3=154(load case 1), 2=352(load case 1), 4=94(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/54
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.81

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 84 lb uplift at joint 3 and 139 lb uplift at joint 2.

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May 29,2008

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Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968749
L276566	EJ7A	MONO TRUSS	4	1	Job Reference (optional)

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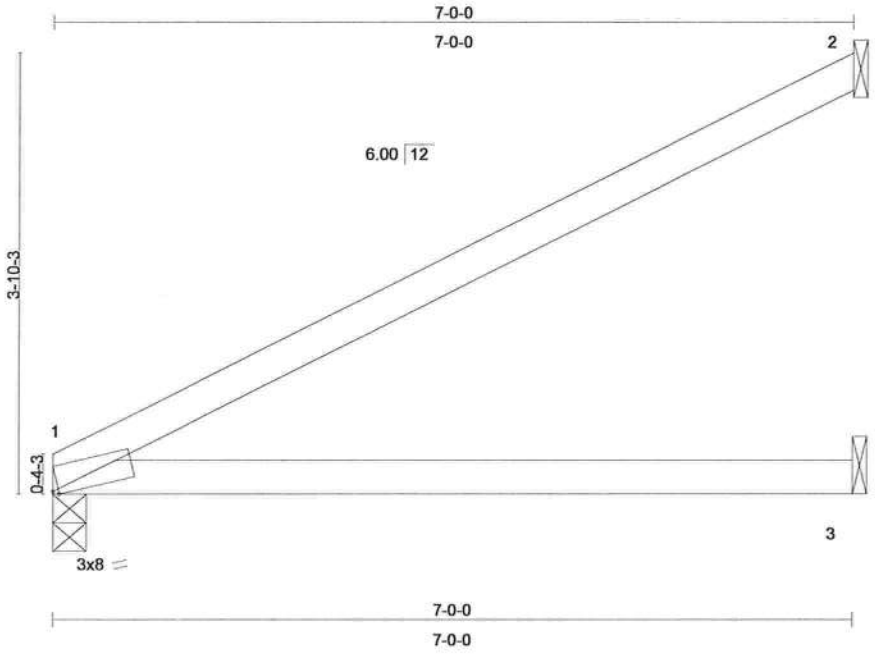

Scale = 1:20.2

Plate Offsets (X,Y): [1:0-0-10,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	0.46	Vert(LL)	0.15	1-3	>540	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.18	1-3	>459	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 22 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) 1=217/0-3-8, 2=163/Mechanical, 3=54/Mechanical
Max Horz 1=113(load case 6)
Max Uplift 1=-31(load case 6), 2=-93(load case 6)
Max Grav 1=217(load case 1), 2=163(load case 1), 3=96(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-126/58
BOT CHORD 1-3=0/0

JOINT STRESS INDEX
1 = 0.86

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

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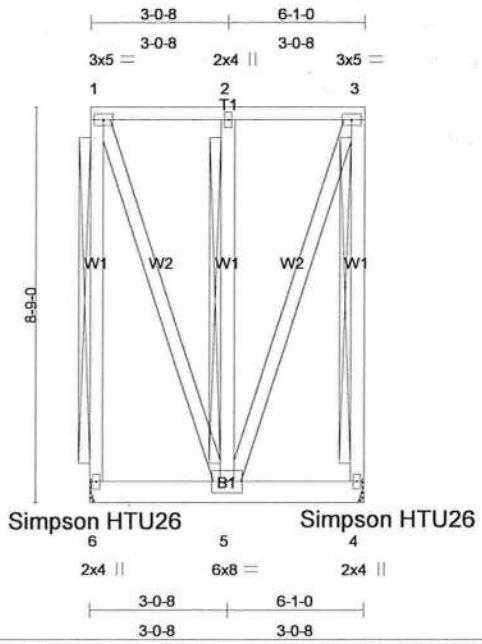
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968750
L276566	FG1	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:12 2008 Page 1



Scale = 1:51.1

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.01	5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.02	5	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.20	Horz(TL)	-0.00	4	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 6 SYP No.1D
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 - 1-6, 3-4, 2-5
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) 6=896/Mechanical, 4=896/Mechanical
Max Uplift 6=-248(load case 3), 4=-248(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-575/168, 1-2=-176/49, 2-3=-176/49, 3-4=-575/168
BOT CHORD 5-6=-0/0, 4-5=-0/0
WEBS 1-5=-148/539, 2-5=-182/82, 3-5=-148/539

JOINT STRESS INDEX
1 = 0.49, 2 = 0.06, 3 = 0.49, 4 = 0.20, 5 = 0.24 and 6 = 0.20

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

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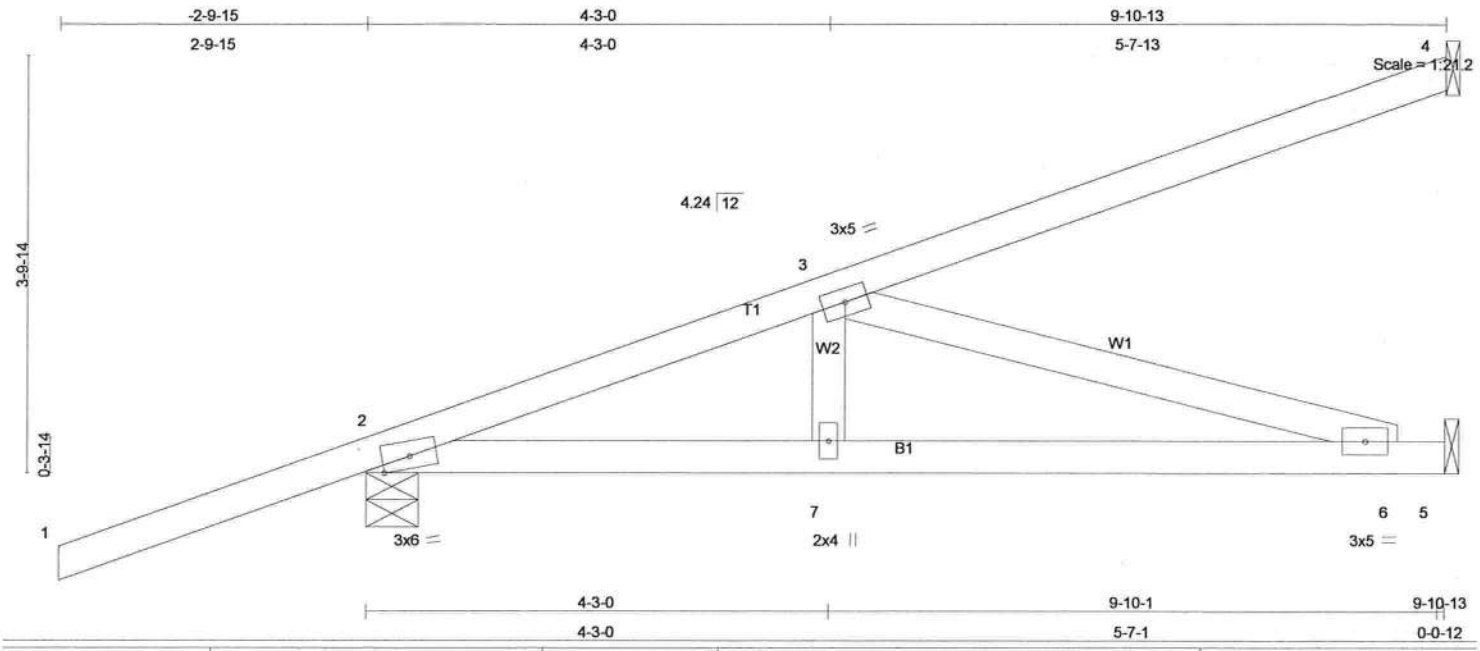
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968751
L276566	HJ9	MONO TRUSS	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:13 2008 Page 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	0.61	Vert(LL)	0.05	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.12	6-7	>986	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 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=268/Mechanical, 2=456/0-5-11, 5=218/Mechanical
Max Horz 2=269(load case 3)
Max Uplift 4=-232(load case 3), 2=-281(load case 3), 5=-62(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-647/120, 3-4=-105/65
BOT CHORD 2-7=-308/599, 6-7=-308/599, 5-6=0/0
WEBS 3-7=0/190, 3-6=-624/321

JOINT STRESS INDEX
2 = 0.77, 3 = 0.18, 6 = 0.21 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 232 lb uplift at joint 4, 281 lb uplift at joint 2 and 62 lb uplift at joint 5.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968752
L276566	HJ9A	MONO TRUSS	2	1	Job Reference (optional)

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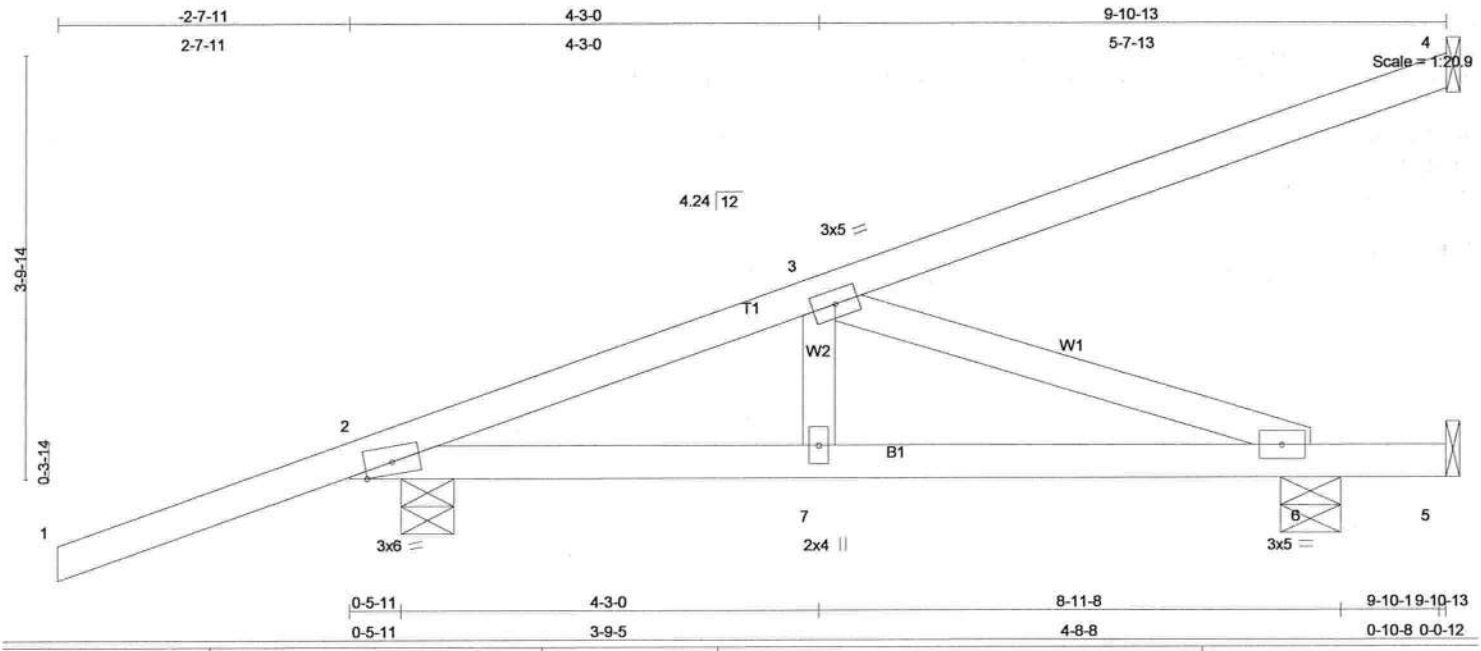

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	0.03	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.03	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 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 8-8-2 oc bracing.

REACTIONS (lb/size) 4=265/Mechanical, 2=407/0-5-11, 5=-40/Mechanical, 6=300/0-6-7
Max Horz 2=265(load case 3)
Max Uplift 4=-230(load case 3), 2=-357(load case 3), 5=-40(load case 1), 6=-241(load case 3)
Max Grav 4=265(load case 1), 2=407(load case 1), 5=52(load case 3), 6=300(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-531/270, 3-4=-105/64
BOT CHORD 2-7=-452/494, 6-7=-452/494, 5-6=0/0
WEBS 3-7=-56/116, 3-6=-522/478

JOINT STRESS INDEX
2 = 0.76, 3 = 0.22, 6 = 0.17 and 7 = 0.08

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left exposed ; porch left and right exposed; 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

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Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968753
L276566	HJ9B	MONO TRUSS	2	1	Job Reference (optional)

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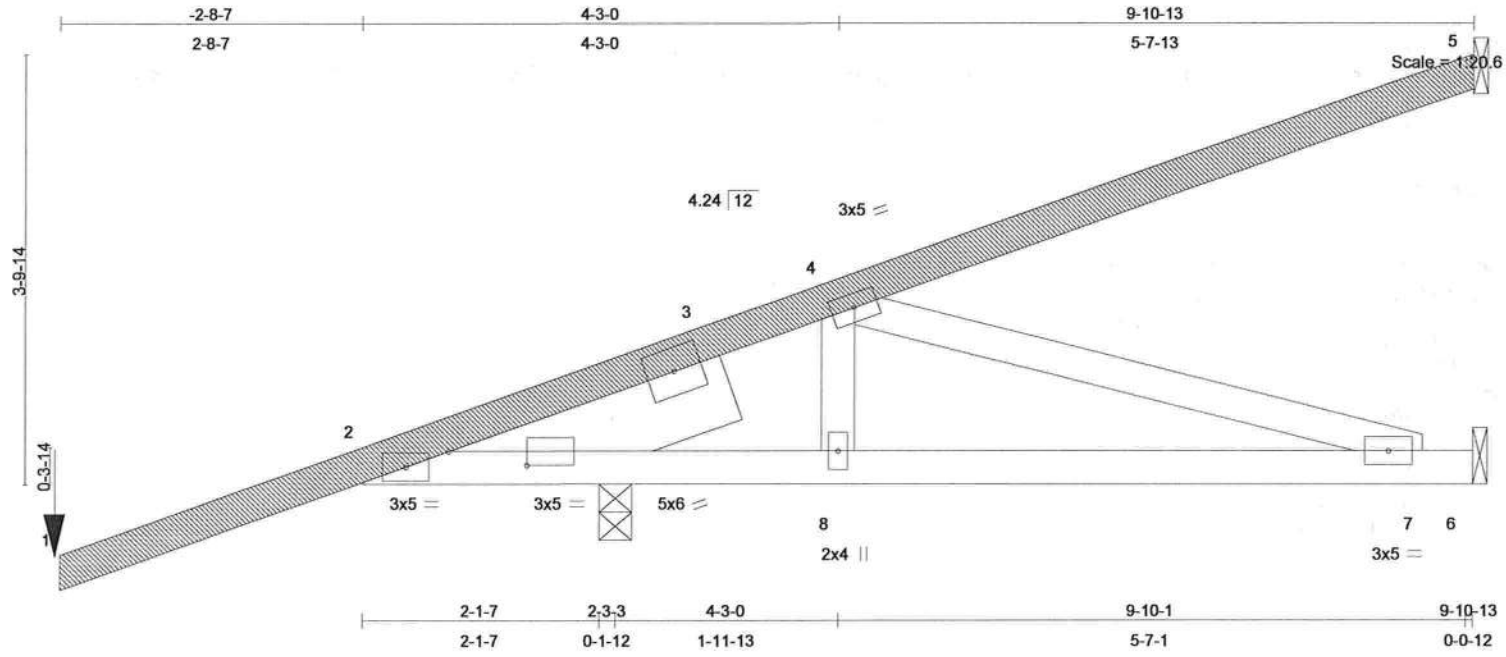

Plate Offsets (X,Y): [2:0-8-6,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.07	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.10	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 72 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.1D
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
LBR SCAB	1-5 2 X 4 SYP No.1D one side
SLIDER	Left 2 X 8 SYP No.1D 2-6-12

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) 5=271/Mechanical, 2=685/0-3-8, 6=165/Mechanical
Max Horz 2=265(load case 3)
Max Uplift 5=-235(load case 3), 2=-522(load case 3), 6=-113(load case 3)
Max Grav 5=271(load case 1), 2=685(load case 1), 6=169(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-52/107, 2-3=-513/157, 3-4=-487/160, 4-5=-106/66
BOT CHORD	2-8=-297/422, 7-8=-297/422, 6-7=0/0
WEBS	4-8=-52/194, 4-7=-440/310

JOINT STRESS INDEX

1 = 0.00, 1 = 0.00, 2 = 0.40, 2 = 0.00, 2 = 0.23, 2 = 0.13, 3 = 0.00, 3 = 0.00, 4 = 0.16, 4 = 0.00, 5 = 0.00, 5 = 0.00, 7 = 0.15 and 8 = 0.14

NOTES

1) Attached 13-5-11 scab 1 to 5, front face(s) 2 X 4 SYP No.1D with 1 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 1-11-15 from end at joint 1, nail 1 row(s) at 2 o.c. for 2-0-0; starting at 5-2-8 from end at joint 1, nail 1 row(s) at 7 o.c. for 3-2-0.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968754
L276566	T01	HIP	1	1	Job Reference (optional)

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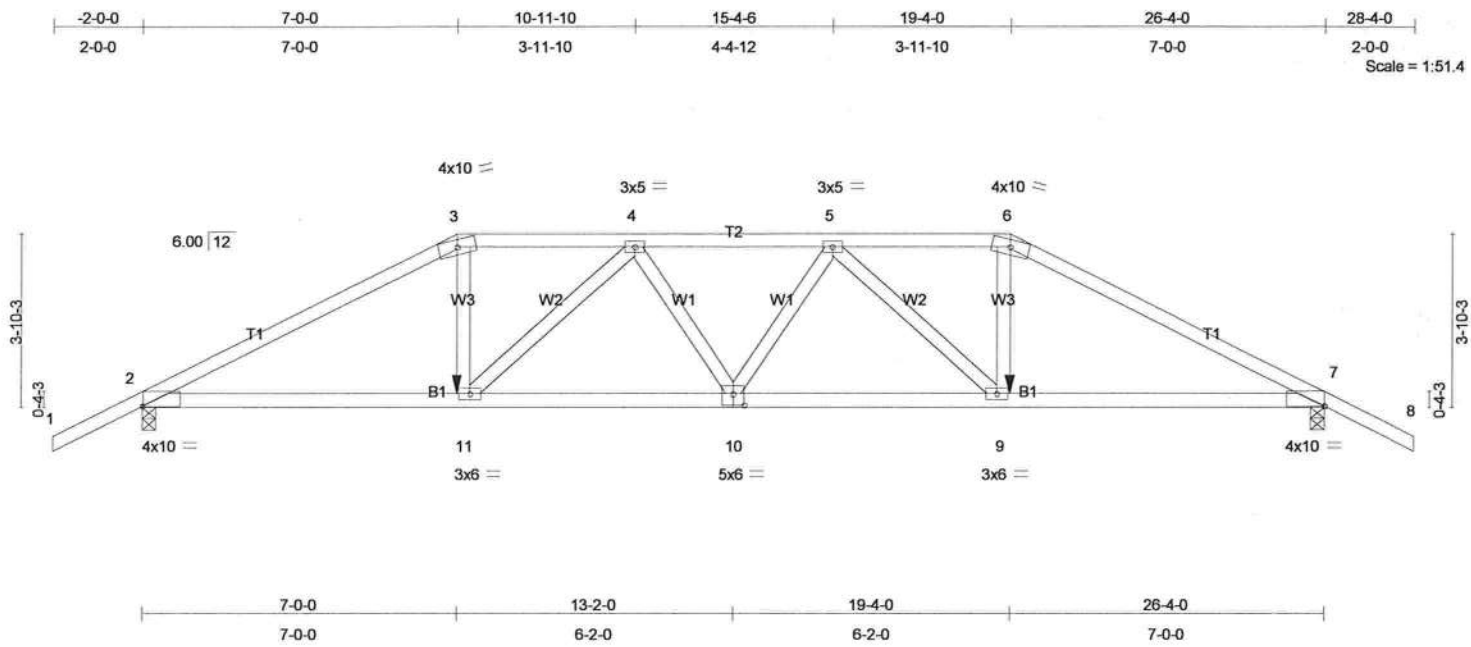

Plate Offsets (X,Y): [2:Edge,0-0-2], [7:Edge,0-0-2], [10:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.20	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.39	10-11	>805	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.14	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 124 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.

REACTIONS (lb/size) 2=1823/0-3-8, 7=1823/0-3-8
Max Horz 2=-77(load case 6)
Max Uplift 2=-591(load case 5), 7=-591(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3352/1054, 3-4=-2948/980, 4-5=-3570/1158, 5-6=-2948/980, 6-7=-3352/1054, 7-8=0/47
BOT CHORD 2-11=-902/2904, 10-11=-1126/3529, 9-10=-1110/3529, 7-9=-869/2904
WEBS 3-11=-344/1123, 4-11=-898/367, 4-10=0/143, 5-10=0/143, 5-9=-898/367, 6-9=-344/1123

JOINT STRESS INDEX
2 = 0.76, 3 = 0.64, 4 = 0.41, 5 = 0.41, 6 = 0.64, 7 = 0.76, 9 = 0.71, 10 = 0.82 and 11 = 0.71

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
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.

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968755
L276566	T02	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:16 2008 Page 1

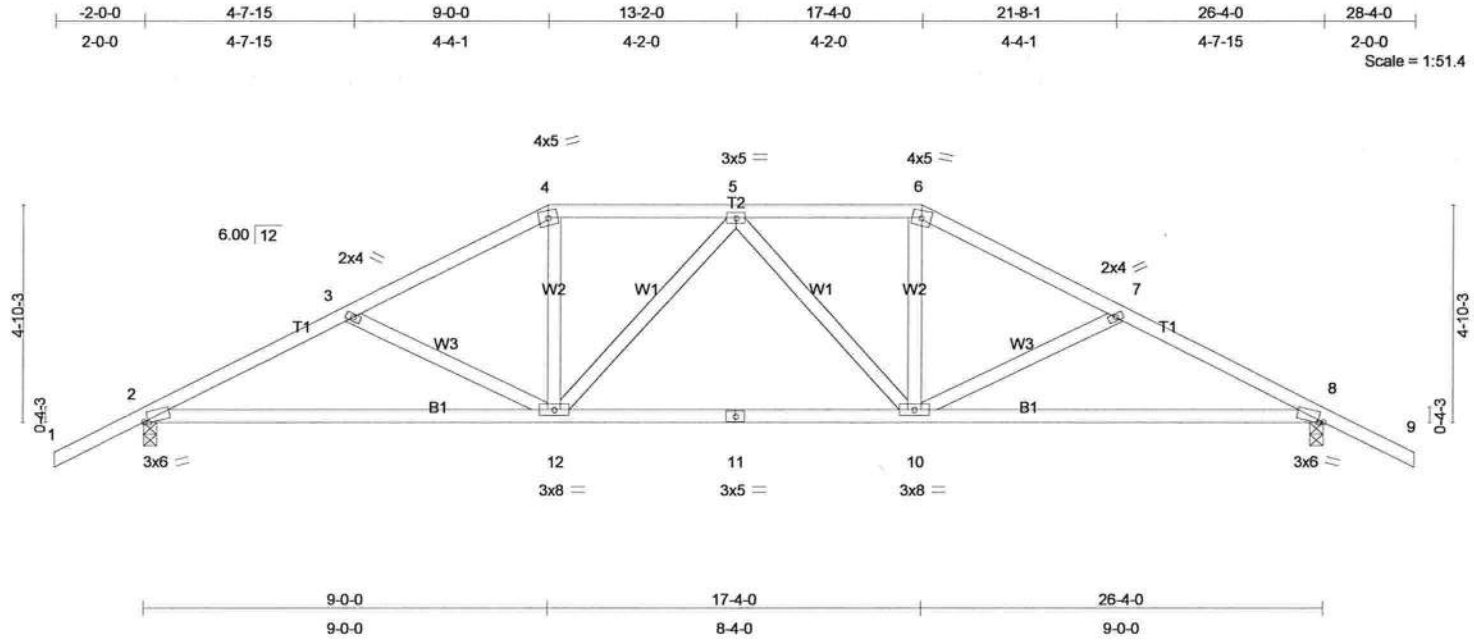

Plate Offsets (X,Y): [2:0-1-5,0-0-7], [8:0-1-5,0-0-7]

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)	-0.14	2-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.26	2-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.05	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 133 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-5-9 oc bracing.

REACTIONS (lb/size) 2=949/0-3-8, 8=949/0-3-8
Max Horz 2=-89(load case 7)
Max Uplift 2=-253(load case 6), 8=-253(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1497/788, 3-4=-1251/678, 4-5=-1081/662, 5-6=-1081/662, 6-7=-1251/678, 7-8=-1497/788, 8-9=0/47
BOT CHORD 2-12=-541/1277, 11-12=-411/1172, 10-11=-411/1172, 8-10=-541/1277
WEBS 3-12=-234/213, 4-12=-103/329, 5-12=-229/104, 5-10=-229/103, 6-10=-103/329, 7-10=-234/213

JOINT STRESS INDEX
2 = 0.81, 3 = 0.33, 4 = 0.64, 5 = 0.39, 6 = 0.64, 7 = 0.33, 8 = 0.81, 10 = 0.56, 11 = 0.43 and 12 = 0.56

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968756
L276566	T03	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:17 2008 Page 1

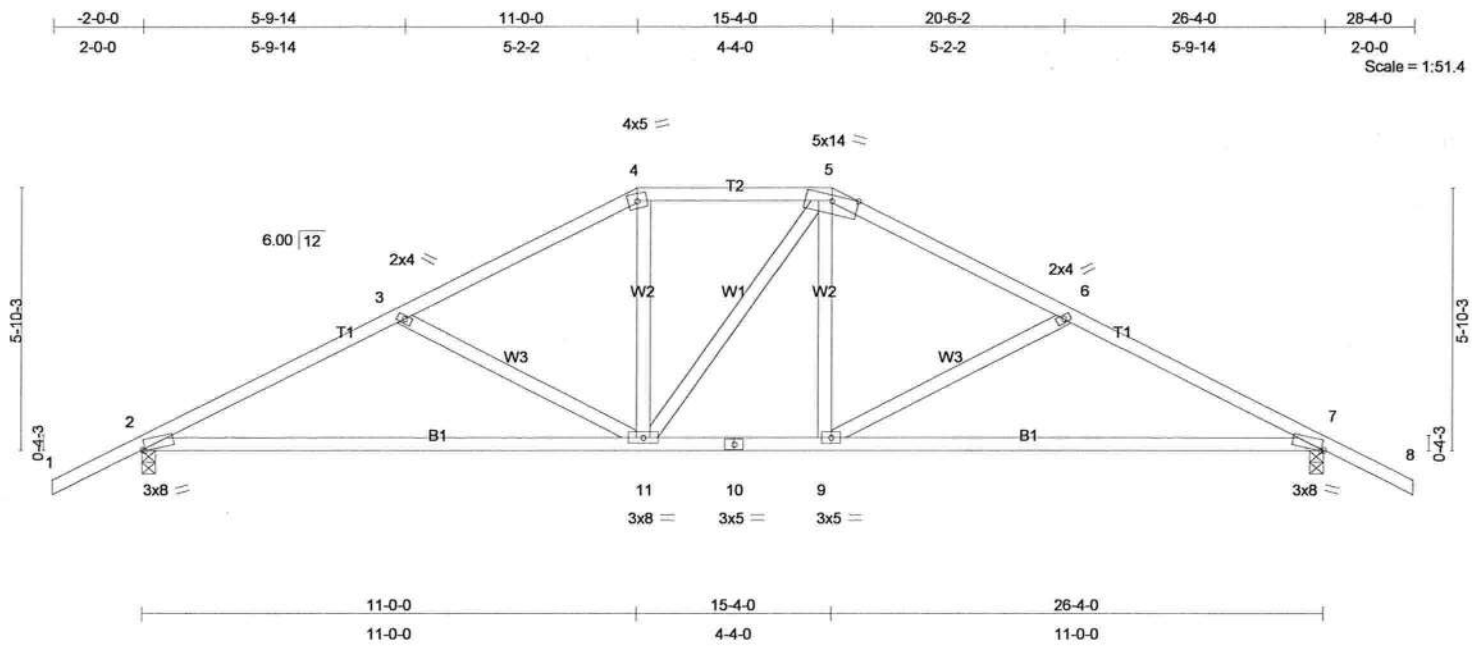

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.32	7-9	>971	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.59	7-9	>532	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-6-0 oc bracing.

REACTIONS (lb/size) 2=949/0-3-8, 7=949/0-3-8
Max Horz 2=-101(load case 7)
Max Uplift 2=-266(load case 6), 7=-266(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1460/799, 3-4=-1136/646, 4-5=-961/638, 5-6=-1136/646, 6-7=-1460/799, 7-8=0/47
BOT CHORD 2-11=-540/1241, 10-11=-278/960, 9-10=-278/960, 7-9=-540/1241
WEBS 3-11=-324/298, 4-11=-90/289, 5-11=-127/128, 5-9=-90/290, 6-9=-324/298

JOINT STRESS INDEX
2 = 0.91, 3 = 0.33, 4 = 0.68, 5 = 0.54, 6 = 0.33, 7 = 0.91, 9 = 0.39, 10 = 0.79 and 11 = 0.56

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

Continued on page 2

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Boynton Beach, FL 33435

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968757
L276566	T04	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:17 2008 Page 1

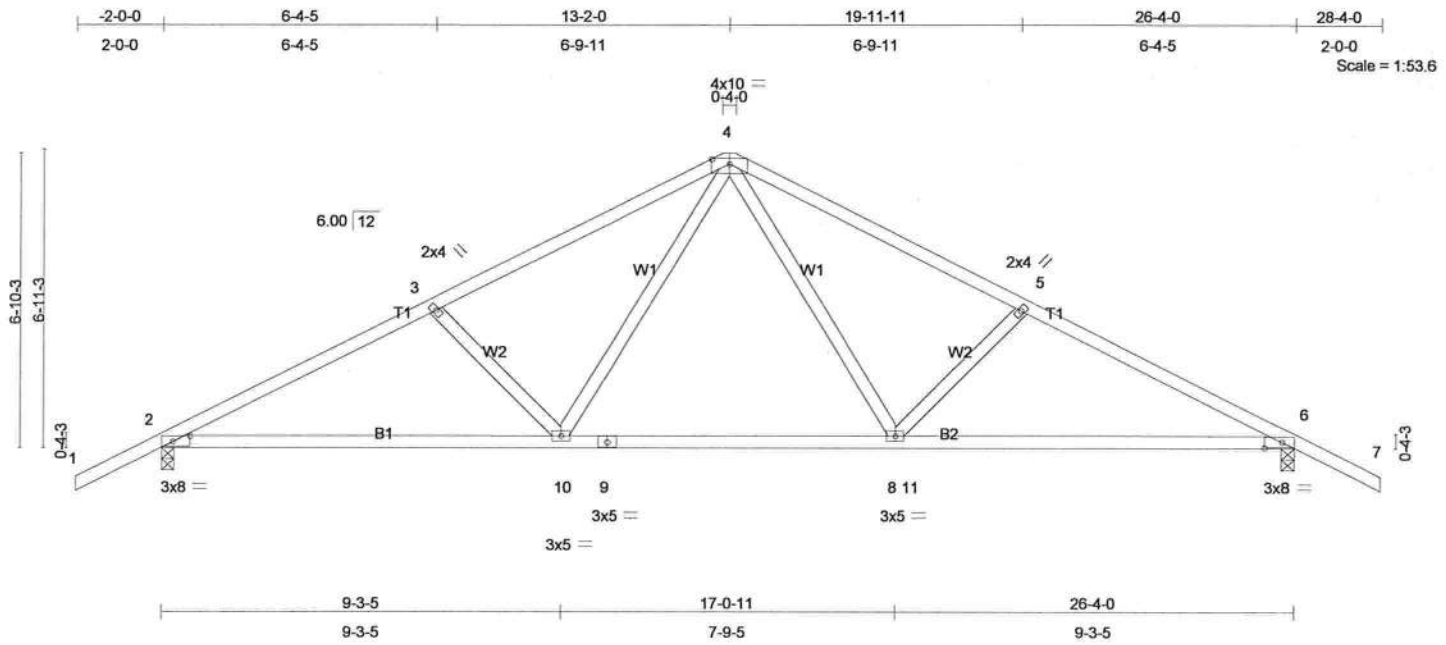

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.37	8-10	>855	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.54	8-10	>582	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.07	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 124 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-13 oc bracing.

REACTIONS (lb/size) 2=1189/0-3-8, 6=1195/0-3-8
Max Horz 2=-114(load case 7)
Max Uplift 2=-343(load case 6), 6=-344(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2019/1120, 3-4=-1783/1060, 4-5=-1796/1067, 5-6=-2032/1127, 6-7=0/47
BOT CHORD 2-10=-819/1726, 9-10=-434/1196, 8-9=-434/1196, 8-11=-826/1738, 6-11=-826/1738
WEBS 3-10=-317/297, 4-10=-356/667, 4-8=-369/690, 5-8=-317/297

JOINT STRESS INDEX
2 = 0.75, 3 = 0.33, 4 = 0.43, 5 = 0.33, 6 = 0.75, 8 = 0.53, 9 = 0.45 and 10 = 0.53

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

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May 29,2008

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968758
L276566	T05	COMMON	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:18 2008 Page 1

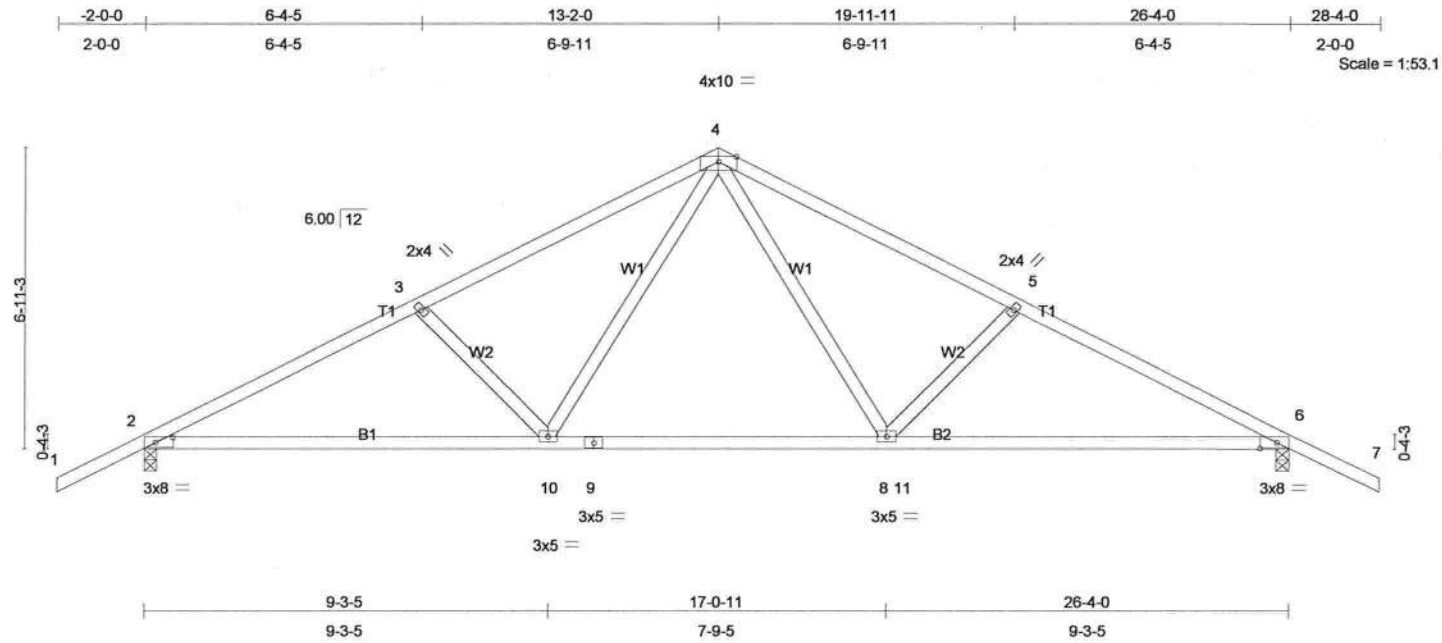

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.37	8-10	>855	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.54	8-10	>582	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.07	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 124 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-13 oc bracing.

REACTIONS (lb/size) 2=1189/0-3-8, 6=1195/0-3-8
Max Horz 2=-114(load case 7)
Max Uplift 2=-343(load case 6), 6=-344(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2020/1120, 3-4=-1784/1060, 4-5=-1797/1068, 5-6=-2033/1127, 6-7=0/47
BOT CHORD 2-10=-820/1728, 9-10=-434/1196, 8-9=-434/1196, 8-11=-826/1739, 6-11=-826/1739
WEBS 3-10=-318/297, 4-10=-357/667, 4-8=-370/690, 5-8=-318/297

JOINT STRESS INDEX
2 = 0.74, 3 = 0.33, 4 = 0.43, 5 = 0.33, 6 = 0.74, 8 = 0.53, 9 = 0.45 and 10 = 0.53

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968759
L276566	T06	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:19 2008 Page 1

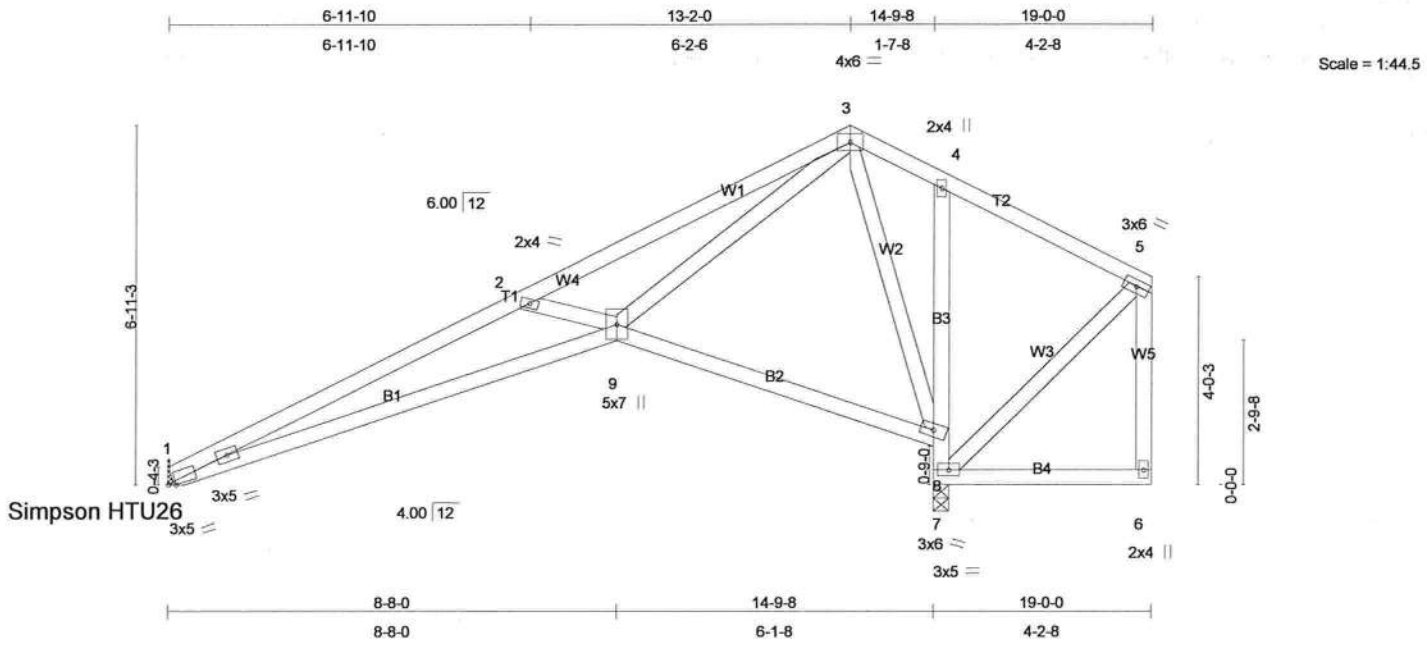

Plate Offsets (X,Y): [1:0-1-13,0-0-11]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	0.19	1-9	>962	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.33	1-9	>544	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.16	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 103 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-5 oc bracing.

REACTIONS (lb/size) 1=443/Mechanical, 7=760/0-3-8
Max Horz 1=157(load case 6)
Max Uplift 1=-99(load case 6), 7=-166(load case 6)
Max Grav 1=459(load case 10), 7=760(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1690/1027, 2-3=-1201/716, 3-4=0/139, 4-5=-20/134, 5-6=0/58
BOT CHORD 1-9=-1076/1529, 8-9=-45/140, 7-8=-657/408, 4-8=-167/93, 6-7=-13/16
WEBS 2-9=-459/471, 3-9=-697/1152, 3-8=-580/354, 5-7=-128/101

JOINT STRESS INDEX
1 = 0.70, 1 = 0.19, 2 = 0.33, 3 = 0.85, 4 = 0.36, 5 = 0.59, 6 = 0.33, 7 = 0.39, 8 = 0.67 and 9 = 0.83

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

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May 29,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968760
L276566	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu May 29 15:02:41 2008 Page 1

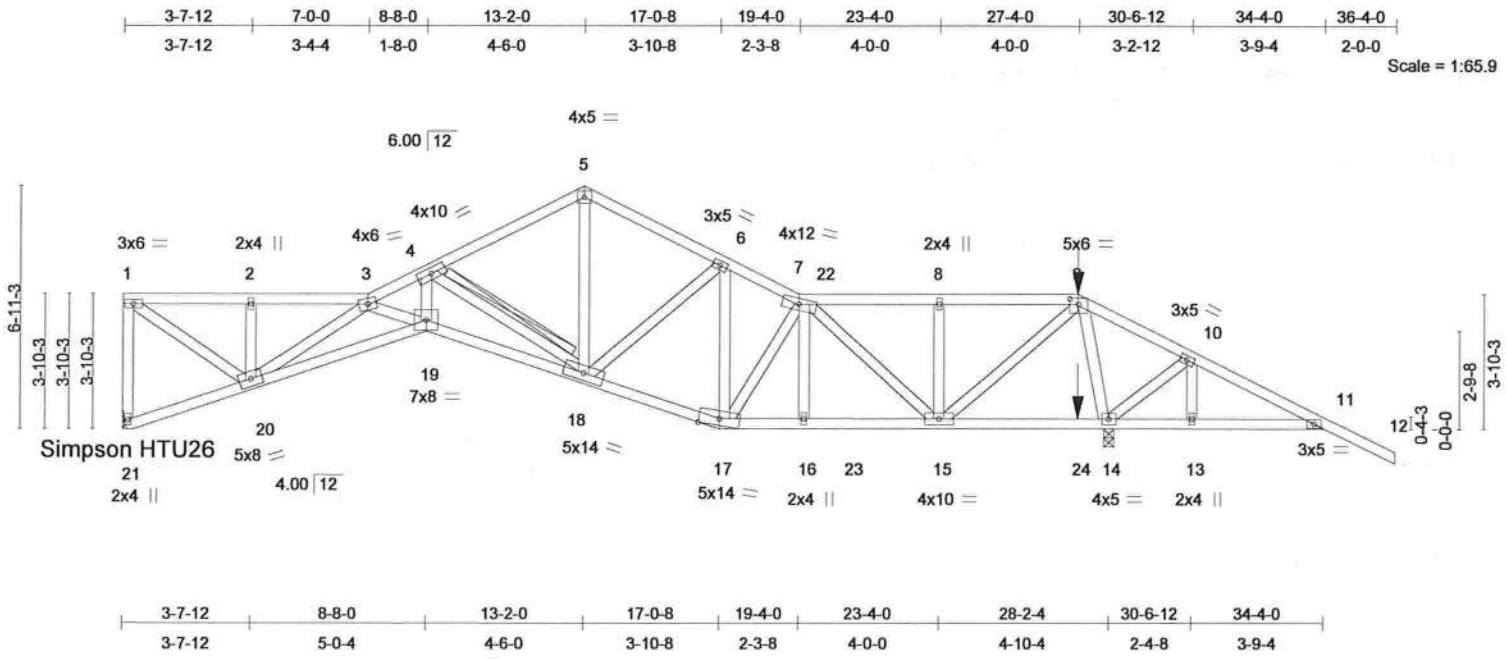

Plate Offsets (X,Y): [9:0-3-0,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.32	18-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.61	18-19	>550	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.36	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 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 2-11-13 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 - 4-18
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) 21=923/Mechanical, 14=2242/0-3-8
Max Horz 21=-199(load case 6)
Max Uplift 21=-219(load case 5), 14=-811(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-21=-914/211, 1-2=-1220/258, 2-3=-1220/257, 3-4=-3837/759, 4-5=-1454/324, 5-6=-1461/338, 6-7=-1582/360, 7-22=-1120/287, 8-22=-1120/288, 8-9=-1120/288, 9-10=-476/717, 10-11=-401/579, 11-12=0/47
BOT CHORD 20-21=-5/212, 19-20=-714/3738, 18-19=-661/3624, 17-18=-236/1472, 16-17=-299/1692, 16-23=-298/1693, 15-23=-298/1693, 15-24=-161/389, 14-24=-161/389, 13-14=-477/433, 11-13=-477/433
WEBS 1-20=-309/1472, 2-20=-263/103, 3-20=-2870/575, 3-19=-130/81, 4-19=-414/2360, 4-18=-2625/548, 5-18=-197/982, 6-18=-239/121, 6-17=-62/99, 7-17=-566/148, 7-16=0/95, 7-15=-766/189, 8-15=-506/225, 9-15=-423/1675, 9-14=-2057/725, 10-14=-156/154, 10-13=-63/62

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May 29,2008

JOINT STRESS INDEX
1 = 0.87, 2 = 0.34, 3 = 0.89, 4 = 0.97, 5 = 0.52, 6 = 0.48, 7 = 0.48, 8 = 0.34, 9 = 0.75, 10 = 0.48, 11 = 0.35, 13 = 0.34, 14 = 0.62, 15 = 0.84, 16 = 0.34, 17 = 0.45, 18 = 0.74, 19 = 0.94, 20 = 0.83 and 21 = 0.35

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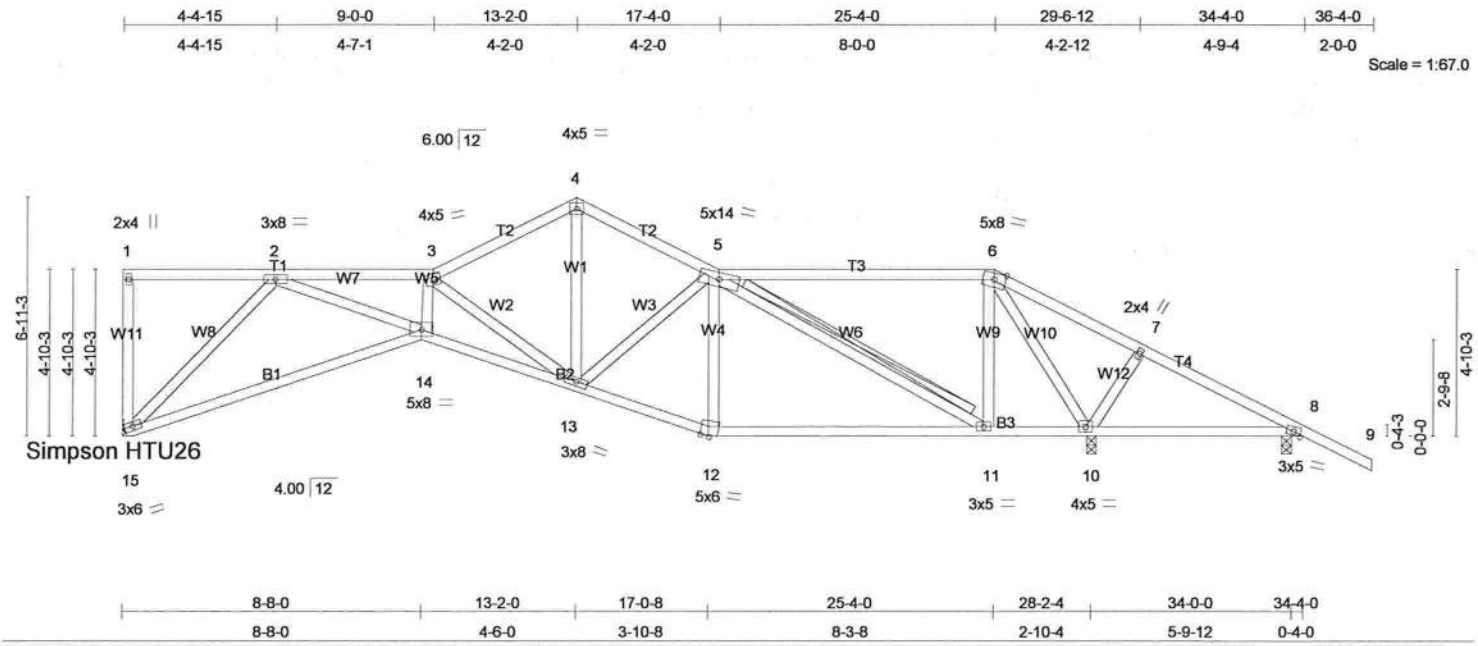
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968761
L276566	T08	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:22 2008 Page 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	0.66	Vert(LL)	-0.17	13-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.34	14-15	>988	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.94	Horz(TL)	0.19	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 194 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-8 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 - 5-11
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) 15=763/Mechanical, 8=-270/0-3-8, 10=1802/0-3-8
Max Horz 15=-219(load case 7)
Max Uplift 15=-181(load case 6), 8=-318(load case 10), 10=-369(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-15=-105/71, 1-2=-43/2, 2-3=-2399/955, 3-4=-1010/585, 4-5=-1029/597, 5-6=-6/221, 6-7=-411/1342, 7-8=-408/1218, 8-9=0/47
BOT CHORD 14-15=-109/910, 13-14=-689/2438, 12-13=-305/896, 11-12=-292/860, 10-11=-235/211, 8-10=-1031/493
WEBS 2-15=-1218/570, 2-14=-612/1669, 3-14=0/481, 3-13=-1832/631, 4-13=-360/664, 5-13=-138/162, 5-12=-216/137, 5-11=-1175/573, 6-11=-204/638, 6-10=-1851/762, 7-10=-195/206

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JOINT STRESS INDEX
1 = 0.57, 2 = 0.75, 3 = 0.69, 4 = 0.40, 5 = 0.86, 6 = 0.69, 7 = 0.33, 8 = 0.70, 10 = 0.38, 11 = 0.46, 12 = 0.55, 13 = 0.95, 14 = 0.88 and 15 = 0.64

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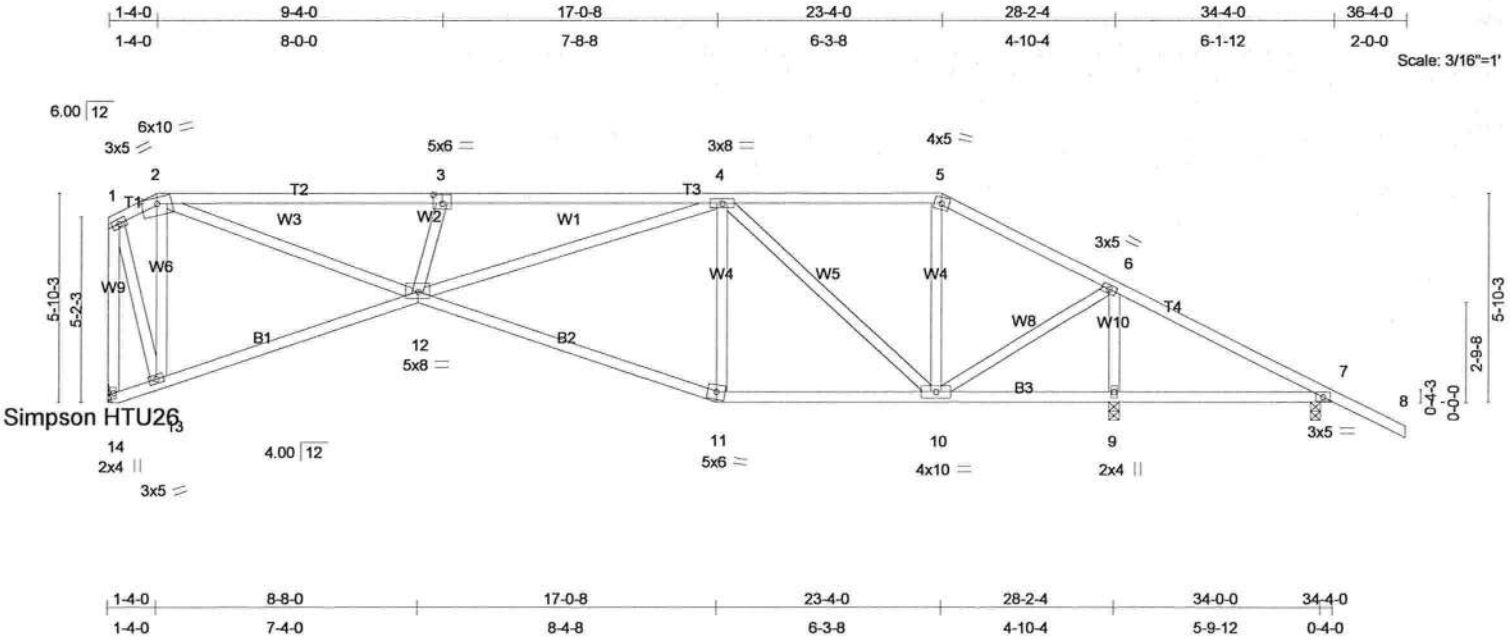
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968762
L276566	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:24 2008 Page 1



1-4-0 8-8-0 17-0-8 23-4-0 28-2-4 34-0-0 34-4-0
1-4-0 7-4-0 8-4-8 6-3-8 4-10-4 5-9-12 0-4-0

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

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)	-0.13	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.29	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.12	9	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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 14=814/Mechanical, 7=-61/0-3-8, 9=1542/0-3-8
Max Horz 14=-214(load case 7)
Max Uplift 14=-214(load case 5), 7=-264(load case 10), 9=-397(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-212/84, 2-3=-1735/683, 3-4=-1840/760, 4-5=-336/348, 5-6=-441/337, 6-7=-238/845, 7-8=0/47, 1-14=-820/333
BOT CHORD 13-14=0/353, 12-13=0/255, 11-12=-244/932, 10-11=-227/878, 9-10=-686/356, 7-9=-686/356
WEBS 2-13=-871/459, 2-12=-587/1605, 3-12=-448/326, 4-12=-214/1017, 4-11=-205/113, 4-10=-767/327, 5-10=-97/51, 6-10=-406/1202, 6-9=-1463/713, 1-13=-400/886

JOINT STRESS INDEX
1 = 0.73, 2 = 0.81, 3 = 0.66, 4 = 0.91, 5 = 0.60, 6 = 0.76, 7 = 0.59, 9 = 0.52, 10 = 0.55, 11 = 0.76, 12 = 0.91, 13 = 0.79 and 14 = 0.36

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

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May 29,2008

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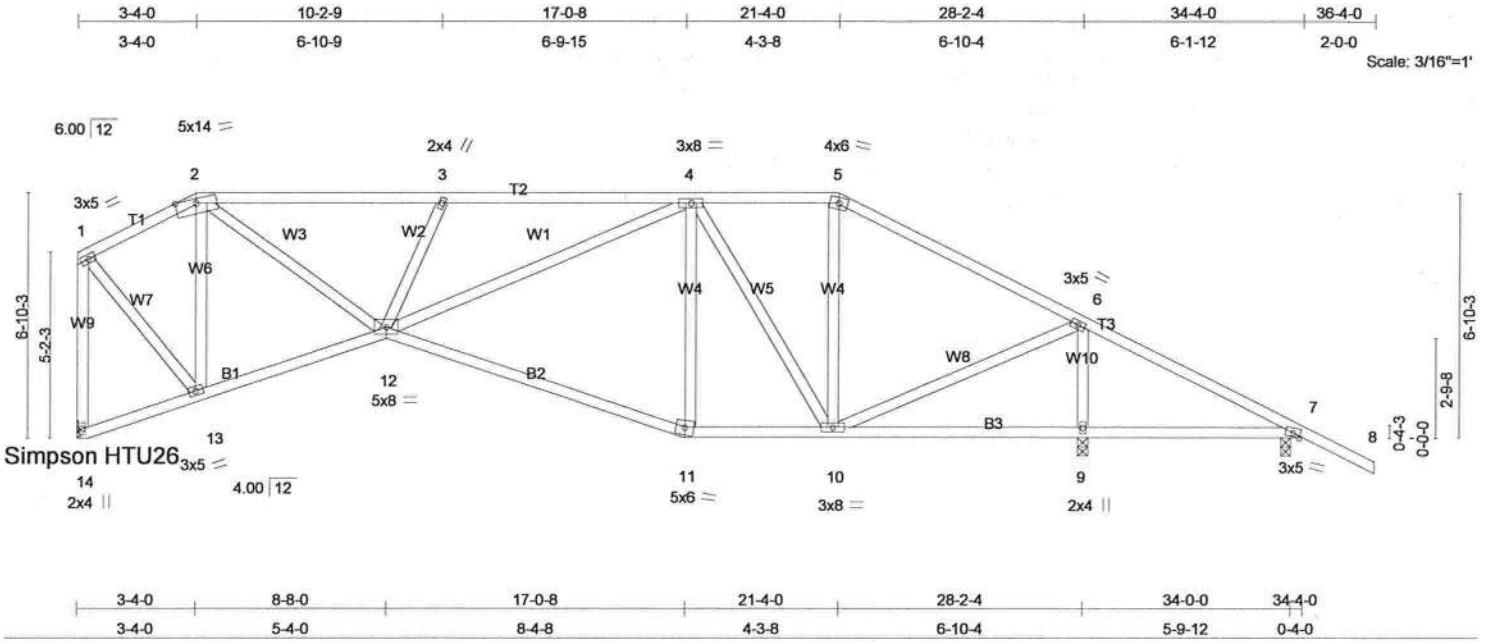
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968763
L276566	T10	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:25 2008 Page 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	0.44	Vert(LL)	-0.13	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.26	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.08	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 205 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-10-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 14=859/Mechanical, 7=148/0-3-8, 9=1287/0-3-8
Max Horz 14=-226(load case 7)
Max Uplift 14=-197(load case 5), 7=-239(load case 7), 9=-315(load case 4)
Max Grav 14=859(load case 1), 7=153(load case 11), 9=1287(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-553/259, 2-3=-1334/562, 3-4=-1504/686, 4-5=-618/494, 5-6=-779/474, 6-7=-63/372, 7-8=0/47, 1-14=-844/383
BOT CHORD	13-14=-10/349, 12-13=-48/503, 11-12=-187/898, 10-11=-173/845, 9-10=-272/186, 7-9=-272/186
WEBS	2-13=-677/313, 2-12=-354/1059, 3-12=-435/313, 4-12=-165/730, 4-11=-205/87, 4-10=-504/173, 5-10=-24/136, 6-10=-294/957, 1-13=-302/741, 6-9=-1206/645

JOINT STRESS INDEX

1 = 0.58, 2 = 0.76, 3 = 0.33, 4 = 0.66, 5 = 0.71, 6 = 0.56, 7 = 0.59, 9 = 0.43, 10 = 0.87, 11 = 0.68, 12 = 0.86, 13 = 0.57 and 14 = 0.33

NOTES

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

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May 29,2008

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968764
L276566	T11	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:26 2008 Page 1

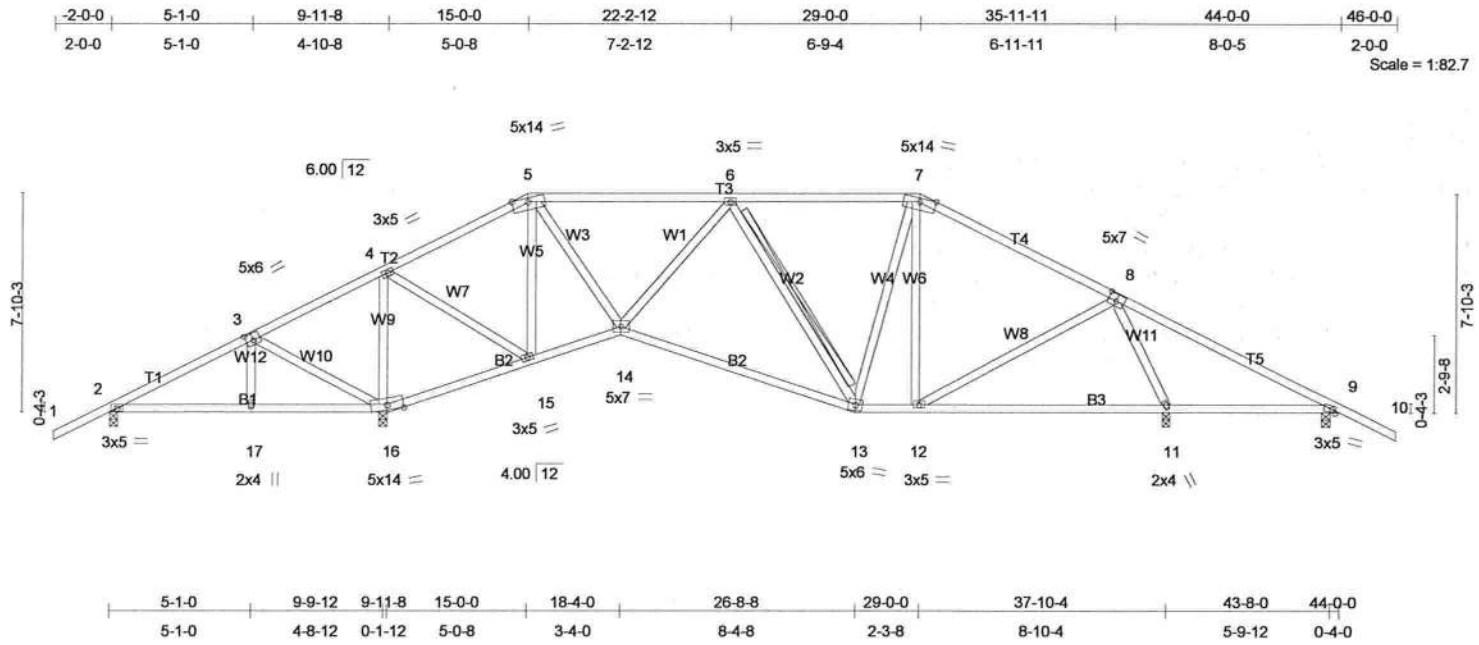

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [8:0-3-8,0-3-0], [9:0-1-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.10	9-11	>724	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.22	13-14	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.04	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 249 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 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-13
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) 2=187/0-3-8, 16=1515/0-3-8, 9=203/0-3-8, 11=1124/0-3-8
Max Horz 2=125(load case 6)
Max Uplift 2=-240(load case 6), 16=-443(load case 5), 9=-241(load case 7), 11=-263(load case 4)
Max Grav 2=207(load case 10), 16=1515(load case 1), 9=209(load case 11), 11=1124(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=0/323, 3-4=-185/581, 4-5=-402/262, 5-6=-668/390, 6-7=-603/523, 7-8=-742/503, 8-9=-68/356, 9-10=0/47
BOT CHORD 2-17=-271/62, 16-17=-271/63, 15-16=-540/476, 14-15=0/316, 13-14=-111/818, 12-13=-56/580, 11-12=-57/268, 9-11=-227/224
WEBS 3-17=-177/149, 3-16=-344/479, 4-16=-1127/564, 4-15=-323/948, 5-15=-727/288, 5-14=-176/661, 6-14=-165/269, 6-13=-369/118, 7-13=-49/151, 7-12=-140/71, 8-12=-47/392, 8-11=-1123/647

Continued on page 2

Julius Lee
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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968765
L276566	T12	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:27 2008 Page 1

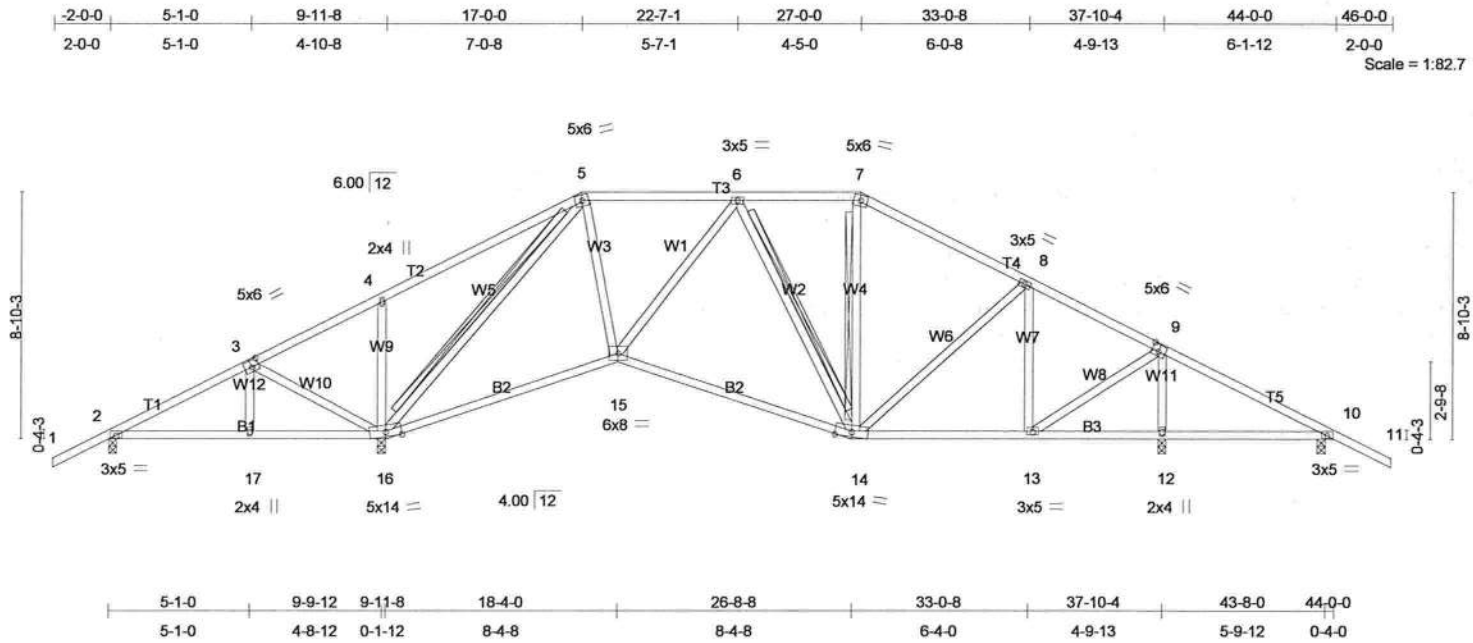

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [9:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.10	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.19	14-15	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.06	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 256 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 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-16, 6-14, 7-14
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=290/0-3-8, 16=1363/0-3-8, 10=187/0-3-8, 12=1190/0-3-8
Max Horz 2=-136(load case 7)
Max Uplift 2=-229(load case 6), 16=-441(load case 6), 10=-243(load case 7), 12=-269(load case 7)
Max Grav 2=305(load case 10), 16=1363(load case 1), 10=200(load case 11), 12=1190(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-116/185, 3-4=-151/335, 4-5=-49/354, 5-6=-711/424, 6-7=-597/543, 7-8=-739/532, 8-9=-619/442, 9-10=-18/318, 10-11=0/47
BOT CHORD 2-17=-97/45, 16-17=-96/46, 15-16=-22/648, 14-15=-53/760, 13-14=-87/501, 12-13=-187/148, 10-12=-215/163
WEBS 3-17=-184/127, 3-16=-290/447, 4-16=-346/355, 5-16=-1307/440, 5-15=-64/545, 6-15=-75/188, 6-14=-330/88, 8-14=-38/196, 8-13=-419/214, 9-13=-283/826, 9-12=-1115/586, 7-14=-2/123

Continued on page 2

Julius Lee
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May 29,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES.
L276566	T13	SPECIAL	2	2	J1968766
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:28 2008 Page 1

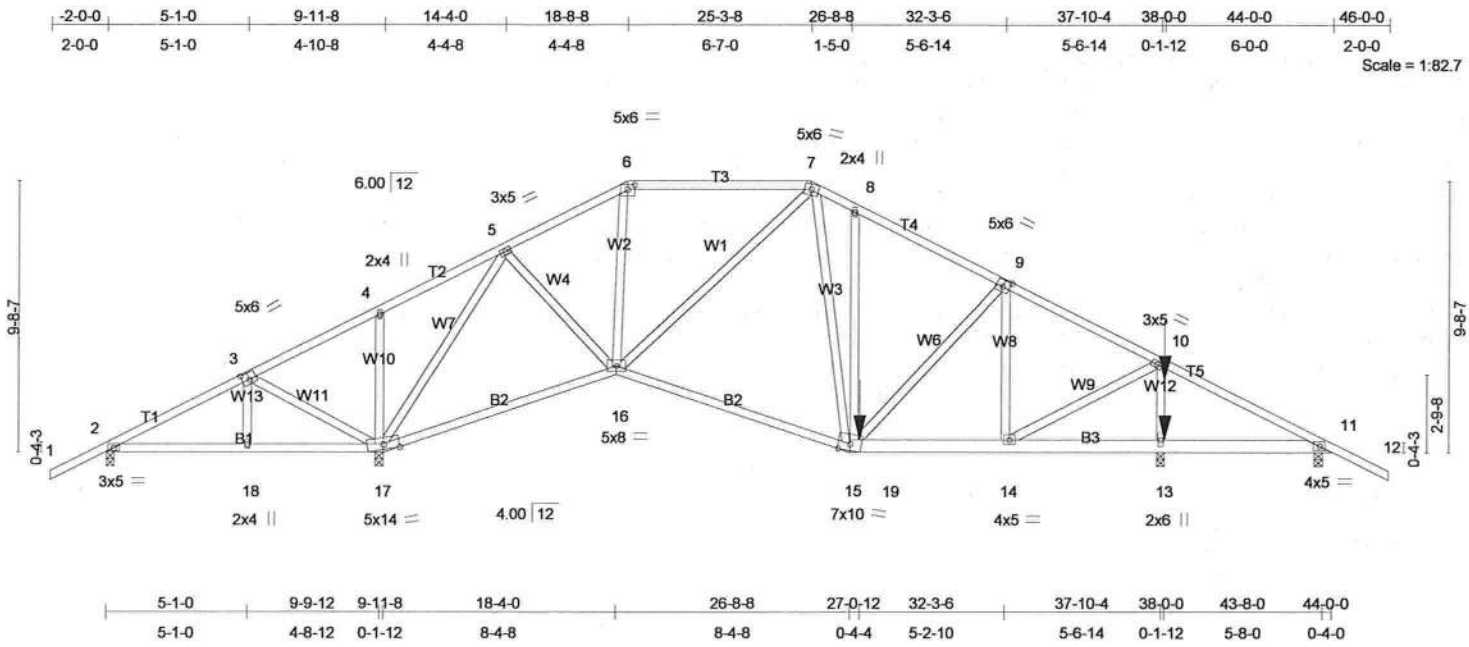

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [6:0-3-0,0-2-0], [9:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0.06	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.09	16-17	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.03	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 561 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B3 2 X 6 SYP No.1D
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 6-0-0 oc bracing.

REACTIONS (lb/size) 2=90/0-3-8, 17=2292/0-3-8, 13=3788/0-3-8, 11=103/0-3-8
Max Horz 2=-148(load case 6)
Max Uplift 2=-137(load case 10), 17=-1035(load case 5), 13=-2083(load case 6), 11=-140(load case 6)
Max Grav 2=117(load case 9), 17=2292(load case 1), 13=3788(load case 1), 11=119(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-190/501, 3-4=-367/777, 4-5=-295/763, 5-6=-1525/642, 6-7=-1308/592, 7-8=-2069/1229, 8-9=-2313/1267, 9-10=-2474/1363, 10-11=-153/400, 11-12=0/51
BOT CHORD 2-18=-429/242, 17-18=-429/242, 16-17=-182/645, 15-16=-734/1744, 15-19=-916/1953, 14-19=-923/1964, 13-14=-267/189, 11-13=-267/189
WEBS 3-18=-116/124, 3-17=-325/277, 4-17=-274/155, 5-17=-2338/922, 5-16=-419/1080, 6-16=-211/375, 7-16=-548/504, 7-15=-922/1113, 8-15=-565/405, 9-15=-244/259, 9-14=-1102/590, 10-14=-1240/2528, 10-13=-3336/1792

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JOINT STRESS INDEX
2 = 0.27, 3 = 0.28, 4 = 0.33, 5 = 0.46, 6 = 0.49, 7 = 0.32, 8 = 0.33, 9 = 0.66, 10 = 0.76, 11 = 0.26, 13 = 0.42, 14 = 0.58, 15 = 0.40, 16 = 0.55, 17 = 0.49 and 18 = 0.33

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968767
L276566	T14	SPECIAL	3	1	Job Reference (optional)

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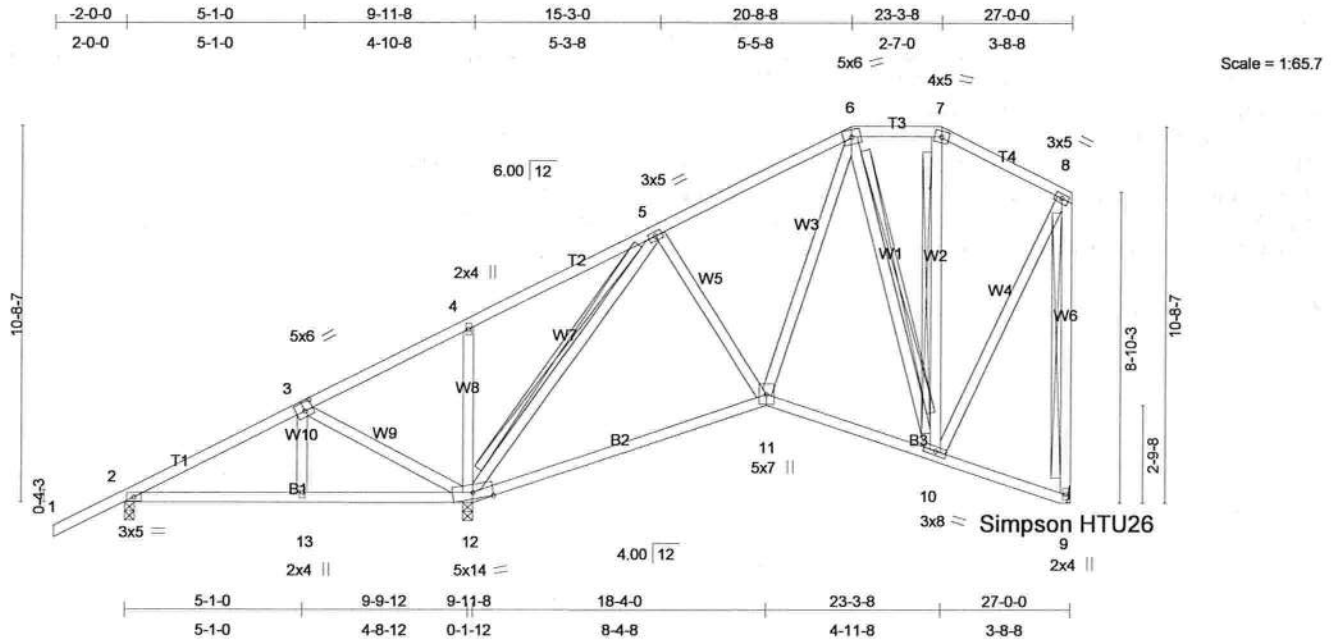

Plate Offsets (X,Y): [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.10	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.17	11-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 192 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 - 5-12, 6-10, 7-10, 8-9
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) 2=329/0-3-8, 12=1012/0-3-8, 9=484/Mechanical
Max Horz 2=346(load case 6)
Max Uplift 2=-179(load case 6), 12=-455(load case 6), 9=-99(load case 6)
Max Grav 2=333(load case 10), 12=1012(load case 1), 9=484(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-182/51, 3-4=-399/256, 4-5=-257/264, 5-6=-376/215, 6-7=-152/174, 7-8=-212/149, 8-9=-464/297
BOT CHORD 2-13=-365/106, 12-13=-364/106, 11-12=-198/262, 10-11=-140/242, 9-10=-13/22
WEBS 3-13=-228/121, 3-12=-315/530, 4-12=-272/278, 5-12=-719/494, 5-11=0/142, 6-11=-92/202, 6-10=-297/187, 7-10=-127/52, 8-10=-179/331

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JOINT STRESS INDEX
2 = 0.62, 3 = 0.36, 4 = 0.33, 5 = 0.41, 6 = 0.32, 7 = 0.29, 8 = 0.46, 9 = 0.33, 10 = 0.65, 11 = 0.70, 12 = 0.43 and 13 = 0.33

May 29,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968768
L276566	T16	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:30 2008 Page 1

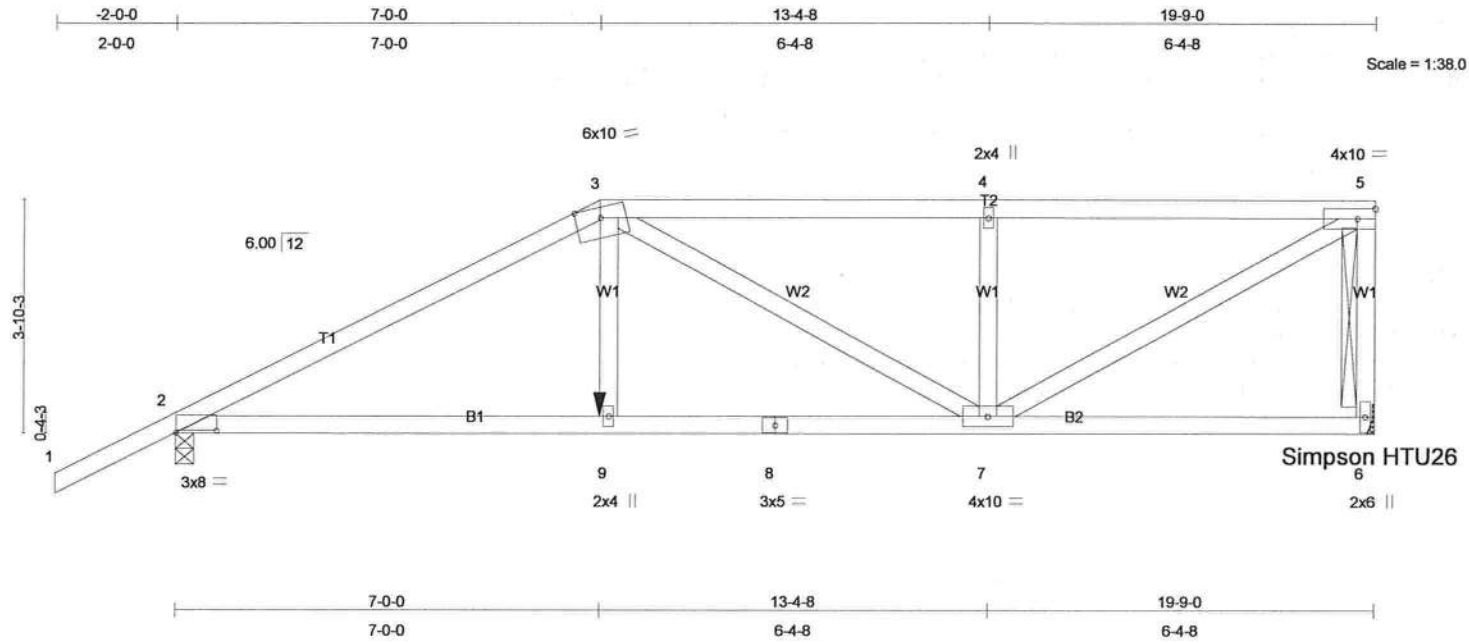

Plate Offsets (X,Y): [2:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.09	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.19	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.64	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 98 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-9-13 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 7-7-5 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=1405/Mechanical, 2=1314/0-3-8
Max Horz 2=163(load case 5)
Max Uplift 6=-485(load case 4), 2=-440(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2273/718, 3-4=-1835/636, 4-5=-1835/636, 5-6=-1327/515
BOT CHORD	2-9=-673/1953, 8-9=-677/1974, 7-8=-677/1974, 6-7=-34/102
WEBS	3-9=-106/523, 3-7=-160/100, 4-7=-788/430, 5-7=-693/1995

JOINT STRESS INDEX
2 = 0.70, 3 = 0.92, 4 = 0.33, 5 = 0.69, 6 = 0.70, 7 = 0.90, 8 = 0.75 and 9 = 0.37

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

Continued on page 2

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May 29,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968769
L276566	T17	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:31 2008 Page 1

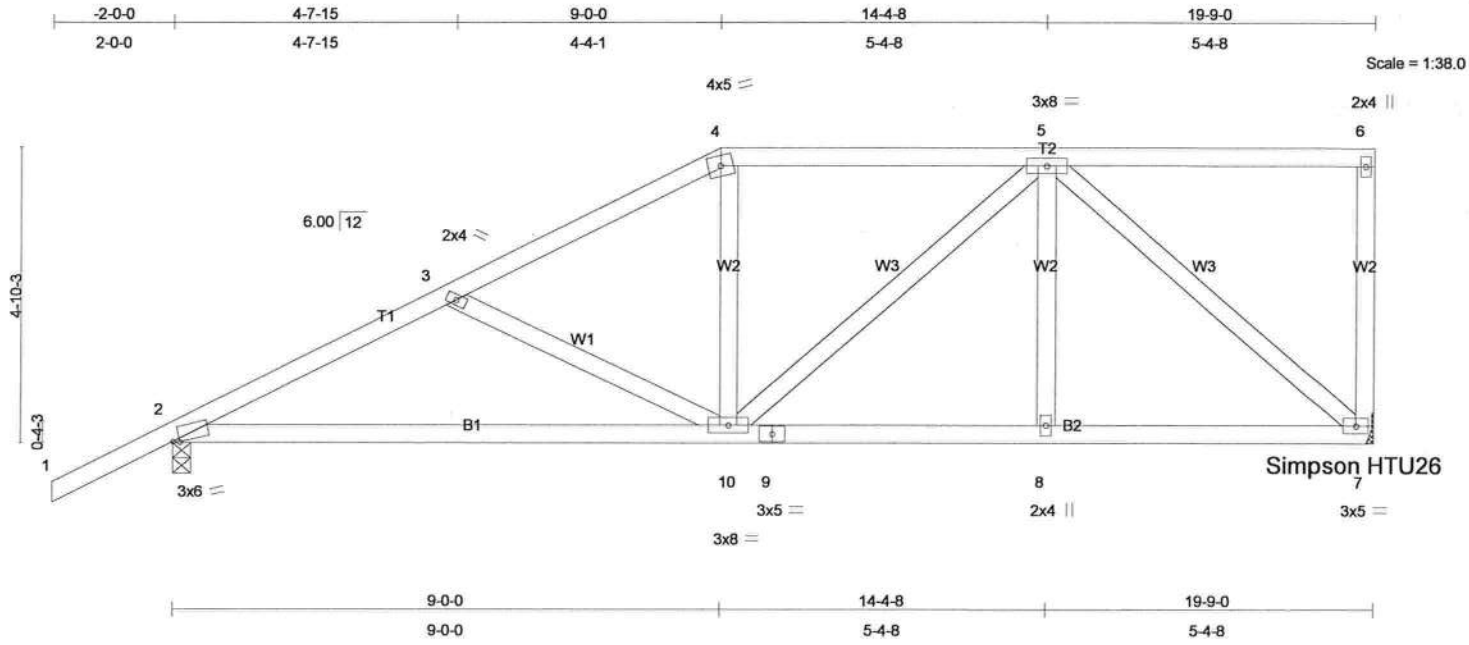

Plate Offsets (X,Y): [2:0-1-5,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.14	2-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.24	2-10	>956	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.02	7	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 8-0-10 oc bracing.

REACTIONS (lb/size) 7=616/Mechanical, 2=745/0-3-8
Max Horz 2=195(load case 6)
Max Uplift 7=-165(load case 5), 2=-218(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1059/504, 3-4=-808/391, 4-5=-679/402, 5-6=-23/11, 6-7=-128/92
BOT CHORD 2-10=-599/889, 9-10=-314/548, 8-9=-314/548, 7-8=-314/548
WEBS 3-10=-237/217, 4-10=0/183, 5-10=-117/174, 5-8=0/131, 5-7=-696/402

JOINT STRESS INDEX
2 = 0.86, 3 = 0.33, 4 = 0.67, 5 = 0.56, 6 = 0.68, 7 = 0.39, 8 = 0.33, 9 = 0.48 and 10 = 0.56

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

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May 29,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968770
L276566	T18	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:32 2008 Page 1

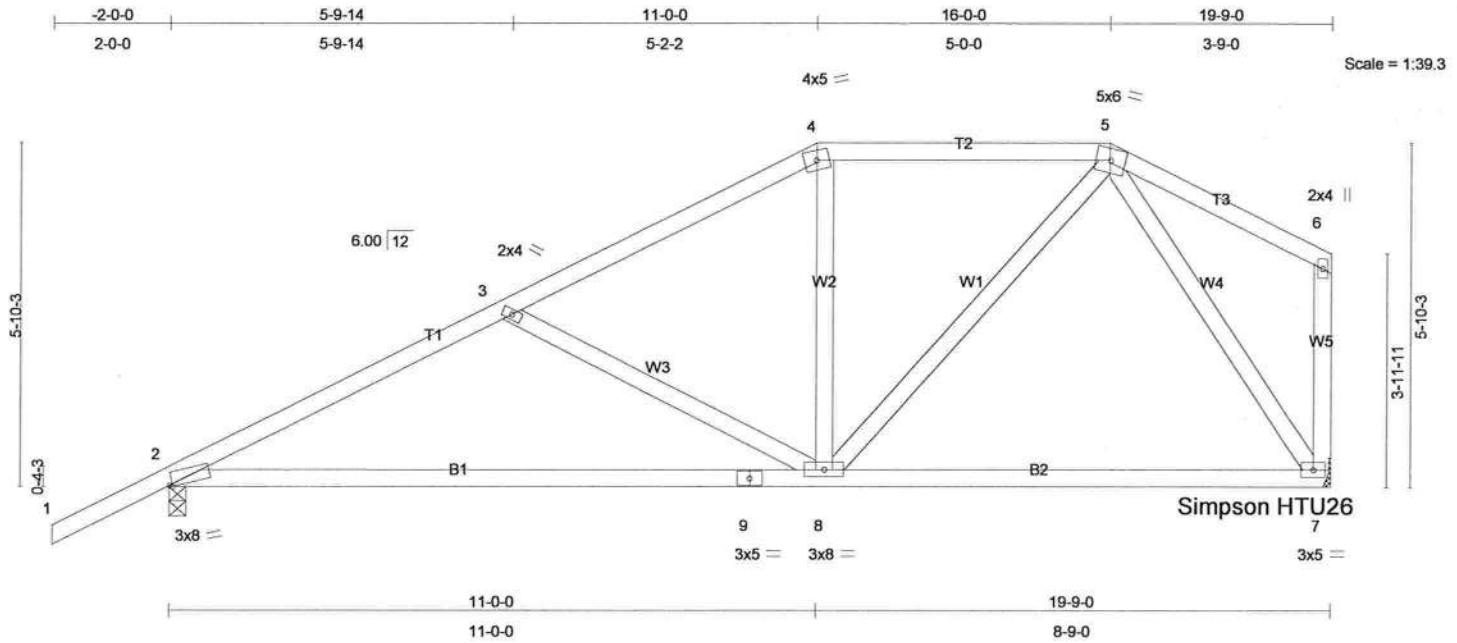

Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.27	2-8	>870	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.48	2-8	>483	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 107 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 8-3-15 oc bracing.

REACTIONS (lb/size) 2=745/0-3-8, 7=616/Mechanical
Max Horz 2=190(load case 6)
Max Uplift 2=-230(load case 6), 7=-103(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1021/524, 3-4=-695/370, 4-5=-562/389, 5-6=-59/60, 6-7=-92/92
BOT CHORD 2-9=-564/850, 8-9=-564/850, 7-8=-185/337
WEBS 3-8=-325/300, 4-8=-19/150, 5-8=-169/369, 5-7=-583/330

JOINT STRESS INDEX
2 = 0.82, 3 = 0.33, 4 = 0.75, 5 = 0.35, 6 = 0.35, 7 = 0.55, 8 = 0.56 and 9 = 0.50

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

Continued on page 2

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968771
L276566	T19	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu May 29 15:14:40 2008 Page 1

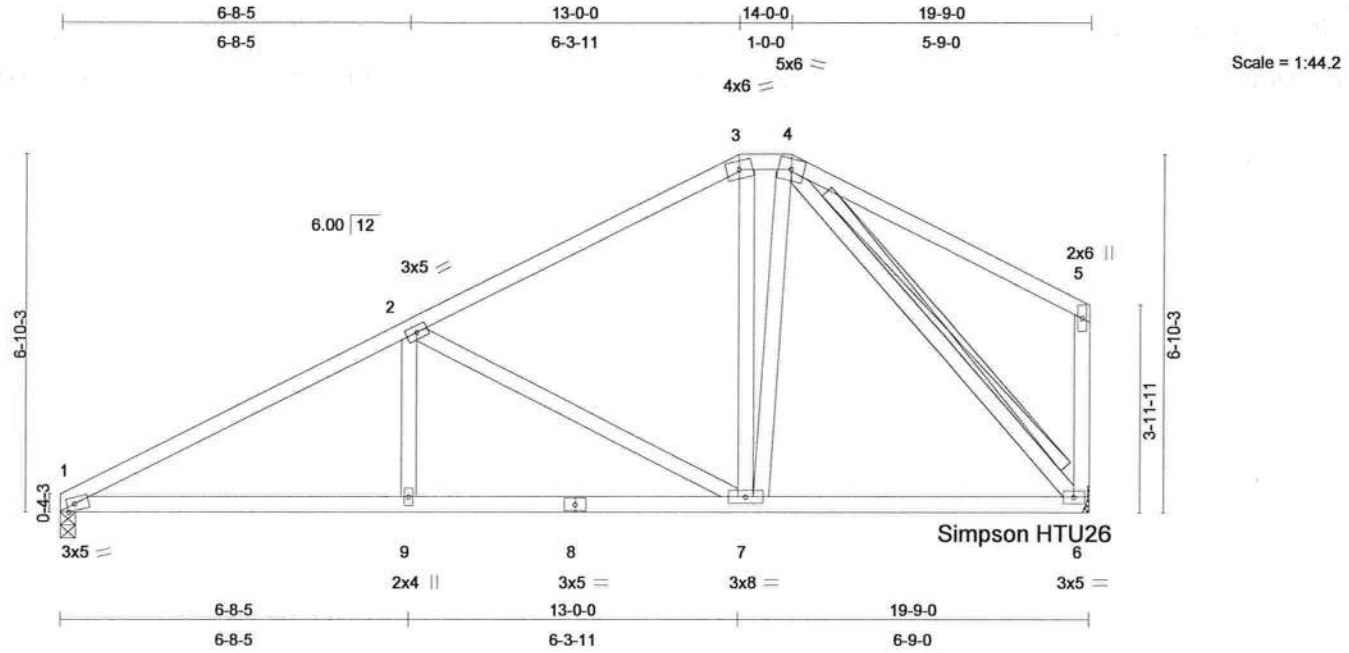

Plate Offsets (X,Y): [1:0-1-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.07	1-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.11	1-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 114 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-11-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-6
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) 1=623/0-3-8, 6=623/Mechanical
Max Horz 1=153(load case 6)
Max Uplift 1=-139(load case 6), 6=-128(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1062/549, 2-3=-566/349, 3-4=-433/377, 4-5=-110/118, 5-6=-166/161
BOT CHORD 1-9=-587/880, 8-9=-587/880, 7-8=-587/880, 6-7=-218/400
WEBS 2-9=0/210, 2-7=-505/398, 3-7=-99/157, 4-7=-125/397, 4-6=-553/293

JOINT STRESS INDEX
1 = 0.76, 2 = 0.48, 3 = 0.65, 4 = 0.46, 5 = 0.58, 6 = 0.48, 7 = 0.58, 8 = 0.32 and 9 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968772
L276566	T20	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:33 2008 Page 1

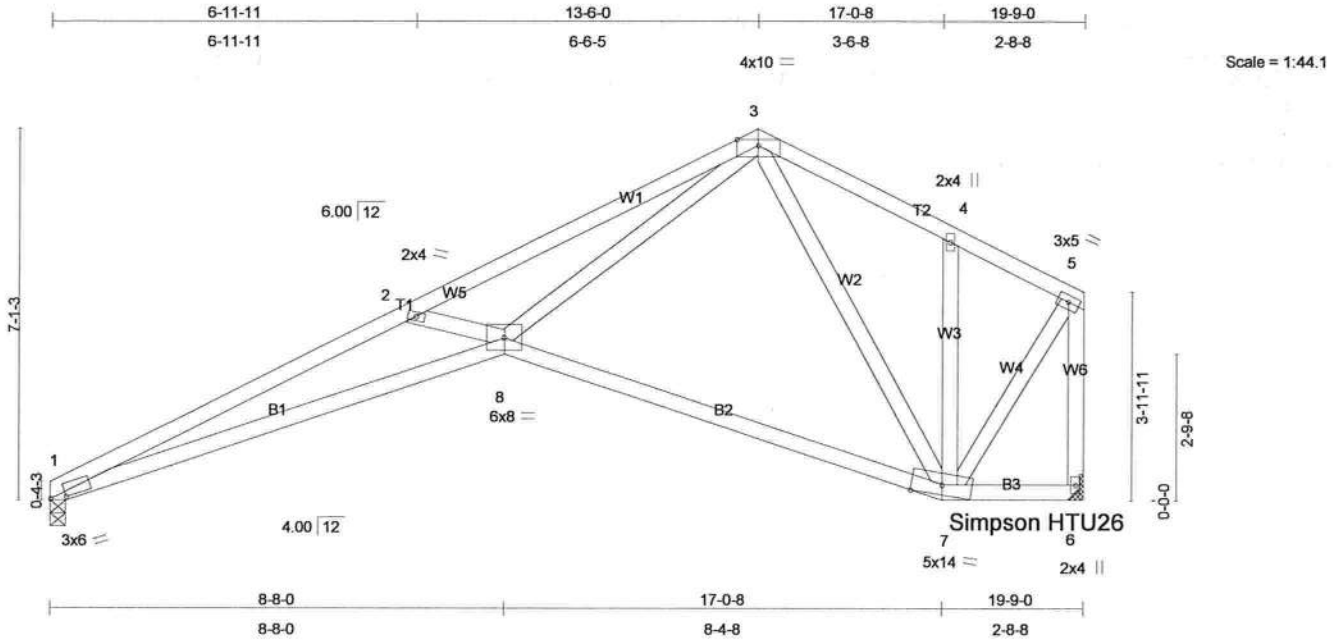

Plate Offsets (X,Y): [1:0-3-9,0-0-11]

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)	0.31	1-8	>758	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.44	1-8	>527	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.28	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-14 oc bracing.

REACTIONS (lb/size) 1=623/0-3-8, 6=623/Mechanical
Max Horz 1=157(load case 6)
Max Uplift 1=-139(load case 6), 6=-133(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2631/1644, 2-3=-2170/1349, 3-4=-342/281, 4-5=-345/210, 5-6=-633/367
BOT CHORD 1-8=-1648/2404, 7-8=-299/528, 6-7=-8/6
WEBS 2-8=-431/452, 3-8=-1098/1786, 3-7=-436/262, 4-7=-175/127, 5-7=-265/507

JOINT STRESS INDEX
1 = 0.78, 2 = 0.33, 3 = 0.61, 4 = 0.33, 5 = 0.46, 6 = 0.33, 7 = 0.28 and 8 = 0.75

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968773
L276566	T21	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:35 2008 Page 1

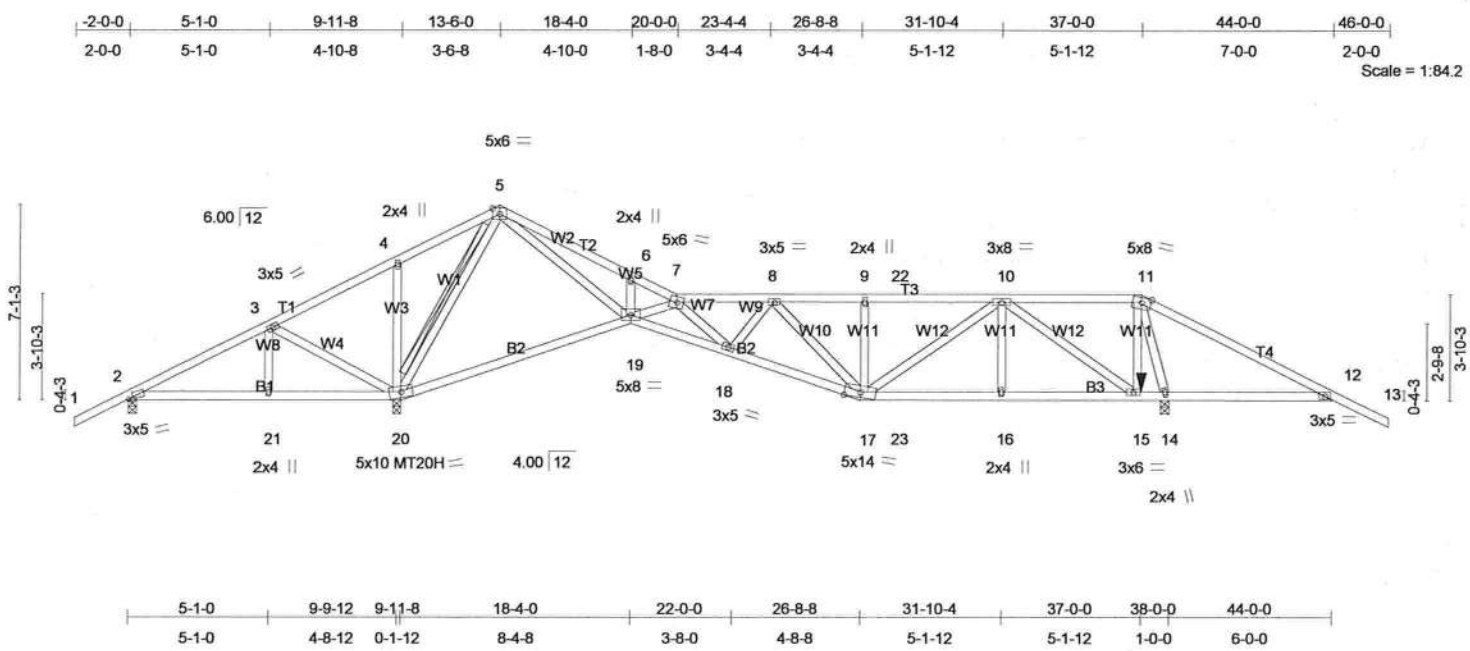

Plate Offsets (X,Y): [2:0-2-0,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.12	19-20	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.25	19-20	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	NO	WB	0.89	Horz(TL)	0.07	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 237 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-4 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-20
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=-427/0-3-8, 20=2433/0-3-8, 14=2111/0-3-8
Max Horz 2=-116(load case 6)
Max Uplift 2=-683(load case 10), 20=-587(load case 6), 14=-957(load case 6)
Max Grav 20=2433(load case 1), 14=2113(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-193/1667, 3-4=-368/1906, 4-5=-310/1894, 5-6=-262/64, 6-7=-207/0, 7-8=-1182/332, 8-9=-1182/381, 9-22=-1182/381, 10-22=-1182/381, 10-11=-176/118, 11-12=-468/722, 12-13=0/47
BOT CHORD 2-21=-1461/283, 20-21=-1461/283, 19-20=-781/351, 18-19=-156/1071, 17-18=-332/1316, 17-23=-312/1089, 16-23=-312/1089, 15-16=-312/1089, 14-15=-77/318, 12-14=-562/508
WEBS 3-21=-117/123, 3-20=-370/283, 4-20=-242/137, 5-20=-1944/342, 5-19=-188/1175, 6-19=-213/126, 7-19=-910/311, 7-18=-152/259, 8-18=-109/90, 8-17=-95/74, 9-17=-332/160, 10-17=-102/116, 10-16=0/219, 10-15=-1373/531, 11-15=-304/1139,

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968774
L276566	T22	SPECIAL	1	1	Job Reference (optional)

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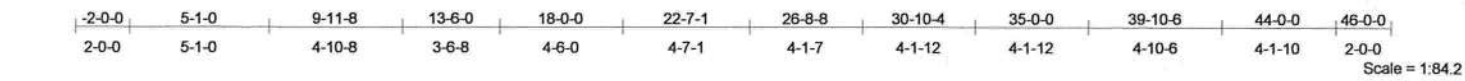

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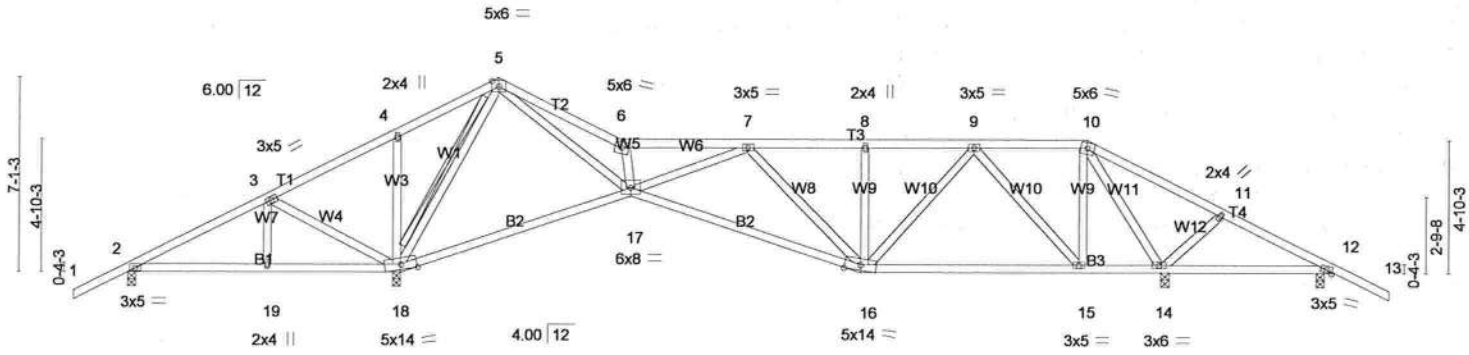

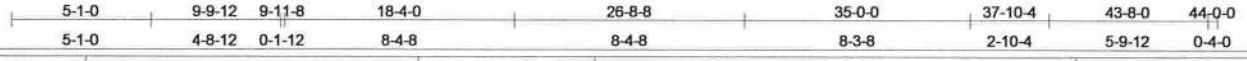

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.10	17-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.20	16-17	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.05	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 241 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 6-0-0 oc bracing , Except:
10-0-0 oc bracing: 16-17,15-16.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-18
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=-164/0-3-8, 18=1922/0-3-8, 12=-14/0-3-8, 14=1284/0-3-8
Max Horz 2=-116(load case 7)
Max Uplift 2=-419(load case 11), 18=-491(load case 7), 12=-165(load case 7), 14=-403(load case 7)
Max Grav 2=175(load case 10), 18=1922(load case 1), 14=1291(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-180/1101, 3-4=-524/1335, 4-5=-404/1322, 5-6=-611/318, 6-7=-401/159, 7-8=-545/438, 8-9=-545/438, 9-10=0/136, 10-11=-247/826, 11-12=-171/616, 12-13=0/47
BOT CHORD 2-19=-960/296, 18-19=-960/296, 17-18=-475/488, 16-17=-181/717, 15-16=-79/349, 14-15=-46/179, 12-14=-498/271
WEBS 3-19=-183/127, 3-18=-355/498, 4-18=-240/229, 5-18=-1482/584, 5-17=-473/1204, 6-17=-506/332, 7-17=-305/342, 7-16=-182/53, 8-16=-222/162, 9-16=-134/298, 9-15=-575/323, 10-15=-168/479, 10-14=-1254/549, 11-14=-251/251

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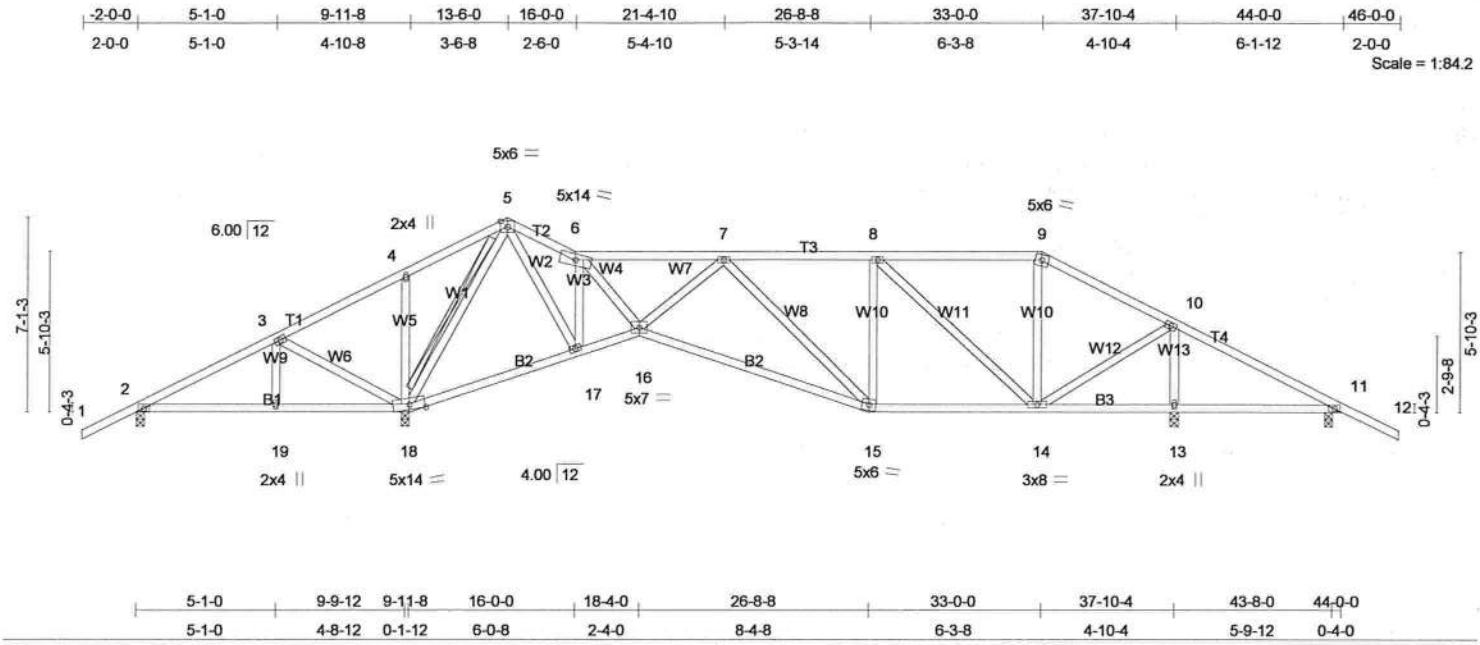
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968775
L276566	T23	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:37 2008 Page 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	0.34	Vert(LL)	-0.11	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.23	15-16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.05	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 247 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 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-18
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=-15/0-3-8, 18=1757/0-3-8, 11=111/0-3-8, 13=1177/0-3-8
Max Horz 2=-116(load case 7)
Max Uplift 2=-266(load case 11), 18=-473(load case 5), 11=-201(load case 7), 13=-363(load case 7)
Max Grav 2=229(load case 10), 18=1757(load case 1), 11=111(load case 1), 13=1181(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-71/774, 3-4=-380/1014, 4-5=-252/992, 5-6=-337/266, 6-7=-684/316, 7-8=-671/517, 8-9=-354/361, 9-10=-459/350, 10-11=-109/479, 11-12=0/47
BOT CHORD 2-19=-670/177, 18-19=-670/177, 17-18=-220/385, 16-17=0/243, 15-16=-190/886, 14-15=-159/672, 13-14=-359/243, 11-13=-359/243
WEBS 3-19=-178/140, 3-18=-347/485, 4-18=-248/247, 5-18=-1378/514, 5-17=-399/919, 6-17=-911/438, 6-16=-211/712, 7-16=-207/293, 7-15=-228/43, 8-15=-33/123, 8-14=-434/215, 9-14=-112/61, 10-14=-288/842, 10-13=-1106/592

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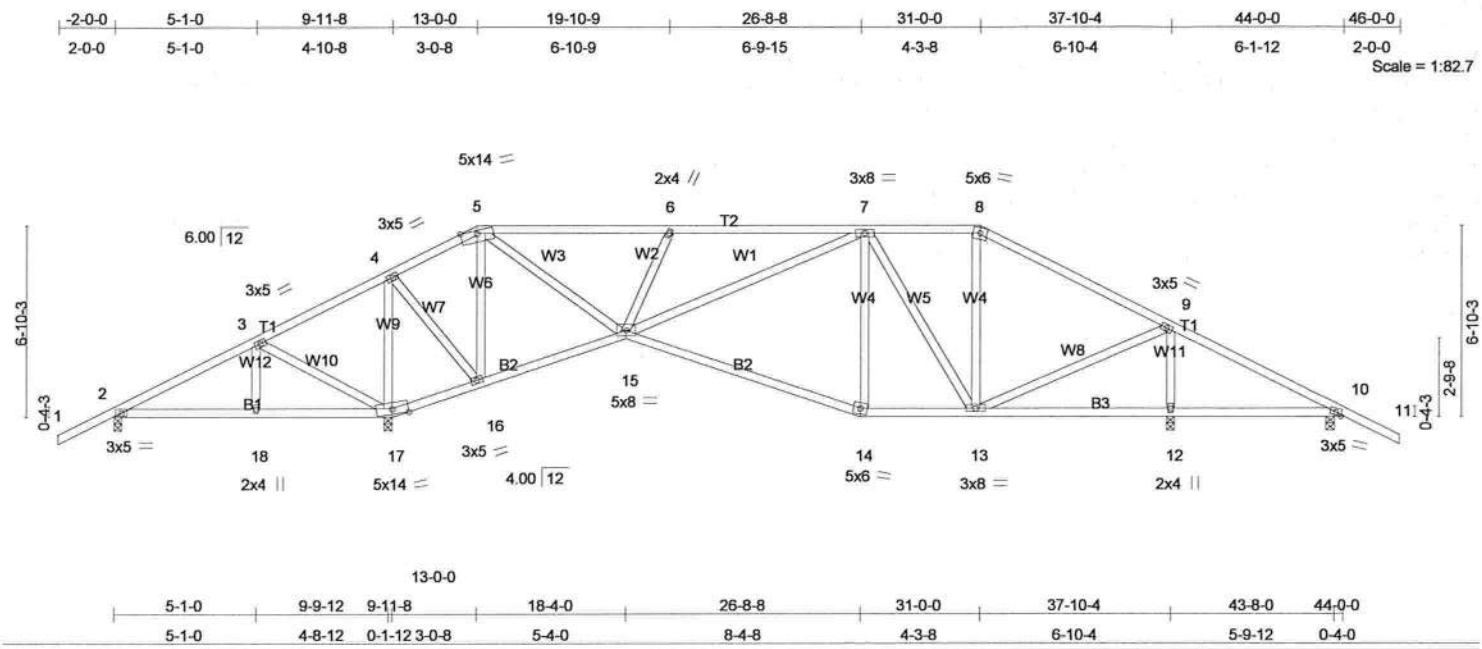
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968776
L276566	T24	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 29 12:31:38 2008 Page 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)	-0.12	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.23	14-15	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.04	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 250 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 6-0-0 oc bracing , Except:
10-0-0 oc bracing: 14-15,13-14.

REACTIONS (lb/size) 2=89/0-3-8, 17=1642/0-3-8, 10=190/0-3-8, 12=1108/0-3-8
Max Horz 2=113(load case 6)
Max Uplift 2=-240(load case 6), 17=-505(load case 5), 10=-238(load case 7), 12=-292(load case 4)
Max Grav 2=105(load case 10), 17=1642(load case 1), 10=192(load case 11), 12=1112(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-41/554, 3-4=-285/800, 4-5=-27/146, 5-6=-720/357, 6-7=-893/482, 7-8=-517/460, 8-9=-667/436, 9-10=-42/282, 10-11=0/47
BOT CHORD 2-18=-475/118, 17-18=-475/118, 16-17=-750/575, 15-16=-122/350, 14-15=-123/707, 13-14=-111/661, 12-13=-196/161, 10-12=-196/161
WEBS 3-18=-172/159, 3-17=-365/490, 4-17=-1186/556, 4-16=-337/948, 5-16=-890/367, 5-15=-332/982, 6-15=-440/317, 7-15=-49/260, 7-14=-147/68, 7-13=-346/119, 8-13=-34/98, 9-13=-231/758, 9-12=-1032/588

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JOINT STRESS INDEX
2 = 0.62, 3 = 0.46, 4 = 0.74, 5 = 0.72, 6 = 0.33, 7 = 0.58, 8 = 0.48, 9 = 0.46, 10 = 0.55, 12 = 0.37, 13 = 0.69, 14 = 0.65, 15 = 0.90, 16 = 0.73, 17 = 0.71 and 18 = 0.33

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968777
L276566	T25	HIP	1	1	Job Reference (optional)

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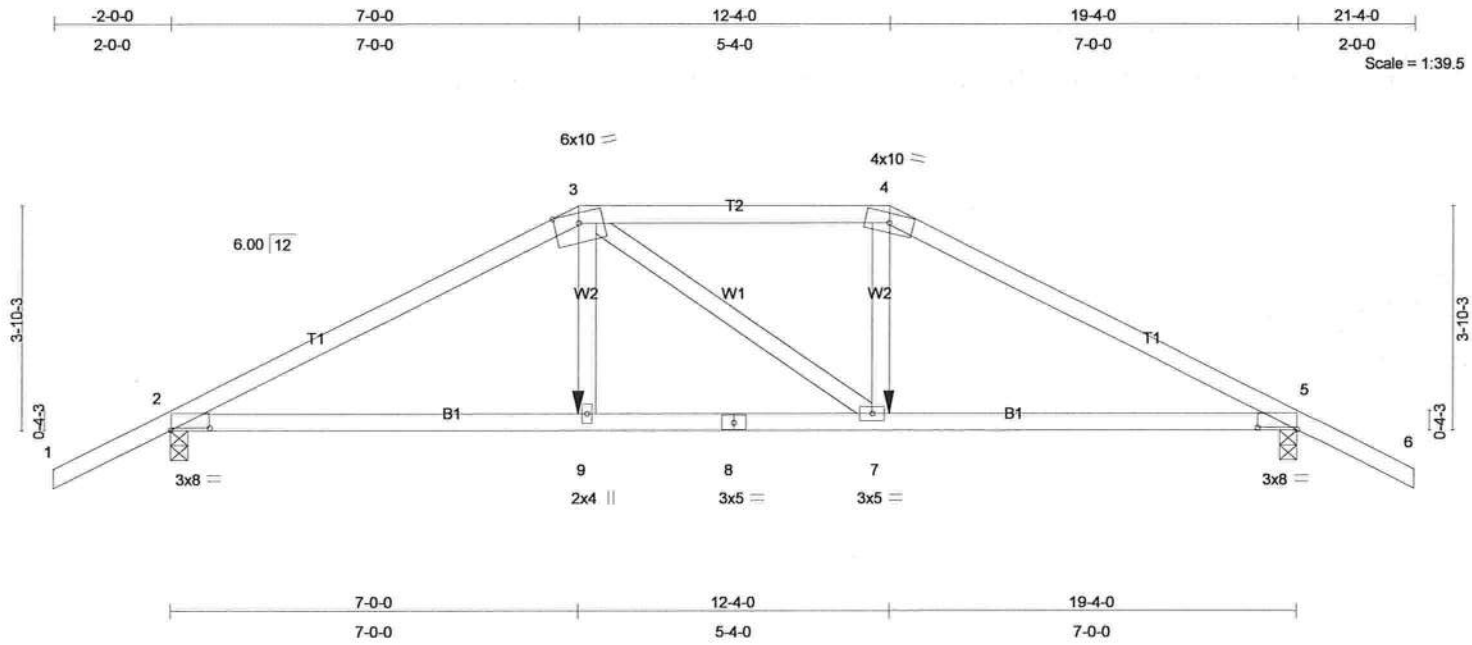

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [5:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.08	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.16	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.18	Horz(TL)	0.06	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-2-7 oc bracing.

REACTIONS (lb/size) 2=1335/0-3-8, 5=1335/0-3-8
Max Horz 2=-77(load case 6)
Max Uplift 2=-461(load case 5), 5=-461(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2303/690, 3-4=-1998/651, 4-5=-2304/690, 5-6=0/47
BOT CHORD 2-9=-582/1976, 8-9=-587/1997, 7-8=-587/1997, 5-7=-548/1977
WEBS 3-9=-115/510, 3-7=-123/125, 4-7=-134/566

JOINT STRESS INDEX
2 = 0.71, 3 = 0.85, 4 = 0.88, 5 = 0.71, 7 = 0.41, 8 = 0.70 and 9 = 0.36

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
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

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968778
L276566	T26	HIP	1	1	Job Reference (optional)

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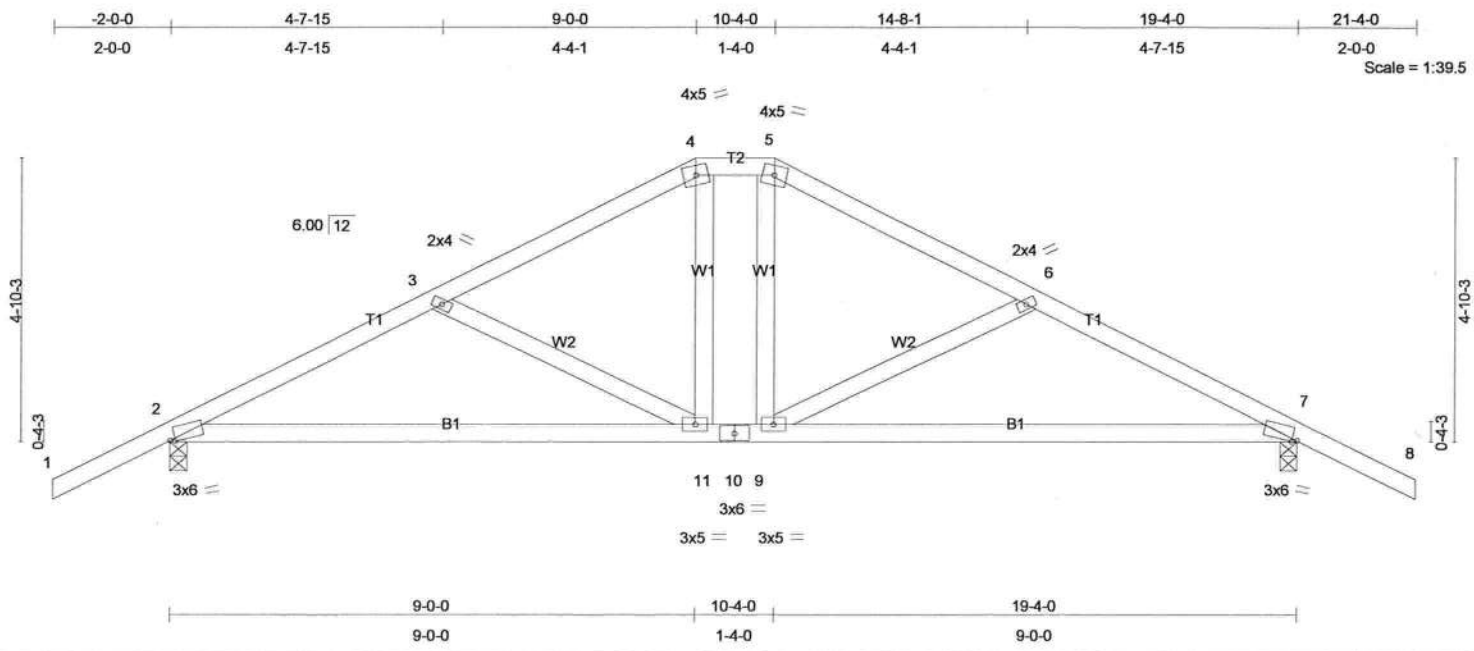

Plate Offsets (X,Y): [2:0-1-1,0-0-7], [7:0-1-1,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.13	7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.23	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 95 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) 2=725/0-3-8, 7=725/0-3-8
Max Horz 2=-89(load case 7)
Max Uplift 2=-226(load case 6), 7=-226(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-1021/542, 3-4=-761/423, 4-5=-635/432, 5-6=-761/423, 6-7=-1021/542, 7-8=0/47
BOT CHORD	2-11=-324/858, 10-11=-122/635, 9-10=-122/635, 7-9=-324/858
WEBS	3-11=-276/227, 4-11=-62/203, 5-9=-62/203, 6-9=-276/227

JOINT STRESS INDEX

2 = 0.89, 3 = 0.33, 4 = 0.53, 5 = 0.53, 6 = 0.33, 7 = 0.89, 9 = 0.39, 10 = 0.68 and 11 = 0.39

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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.

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968779
L276566	T27	COMMON	6	1	Job Reference (optional)

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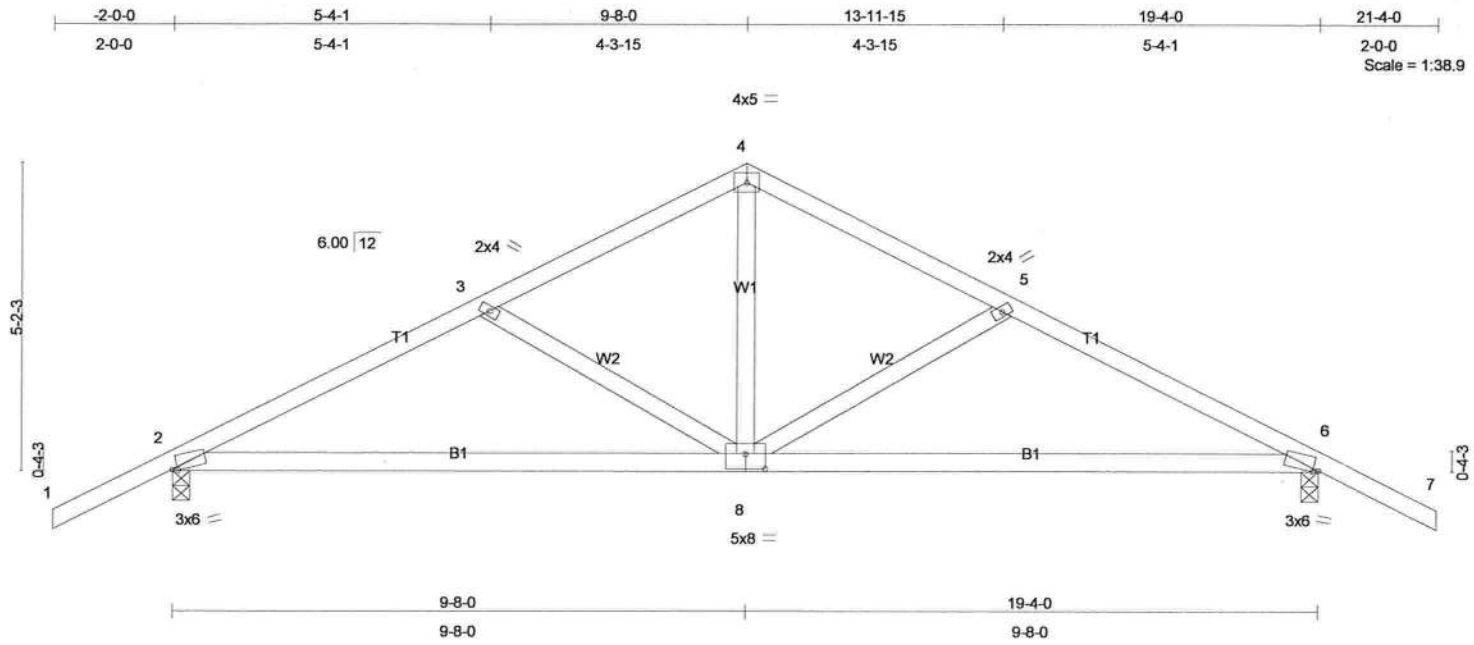

Plate Offsets (X,Y): [2:0-1-1,0-0-7], [6:0-1-1,0-0-7], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.13	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.25	2-8	>930	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.03	6	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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=725/0-3-8, 6=725/0-3-8
Max Horz 2=-93(load case 7)
Max Uplift 2=-229(load case 6), 6=-229(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-998/531, 3-4=-732/420, 4-5=-732/420, 5-6=-998/531, 6-7=0/47
BOT CHORD 2-8=-307/831, 6-8=-307/831
WEBS 3-8=-279/239, 4-8=-169/419, 5-8=-279/239

JOINT STRESS INDEX
2 = 0.84, 3 = 0.33, 4 = 0.55, 5 = 0.33, 6 = 0.84 and 8 = 0.68

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968780
L276566	T28	COMMON	3	1	Job Reference (optional)

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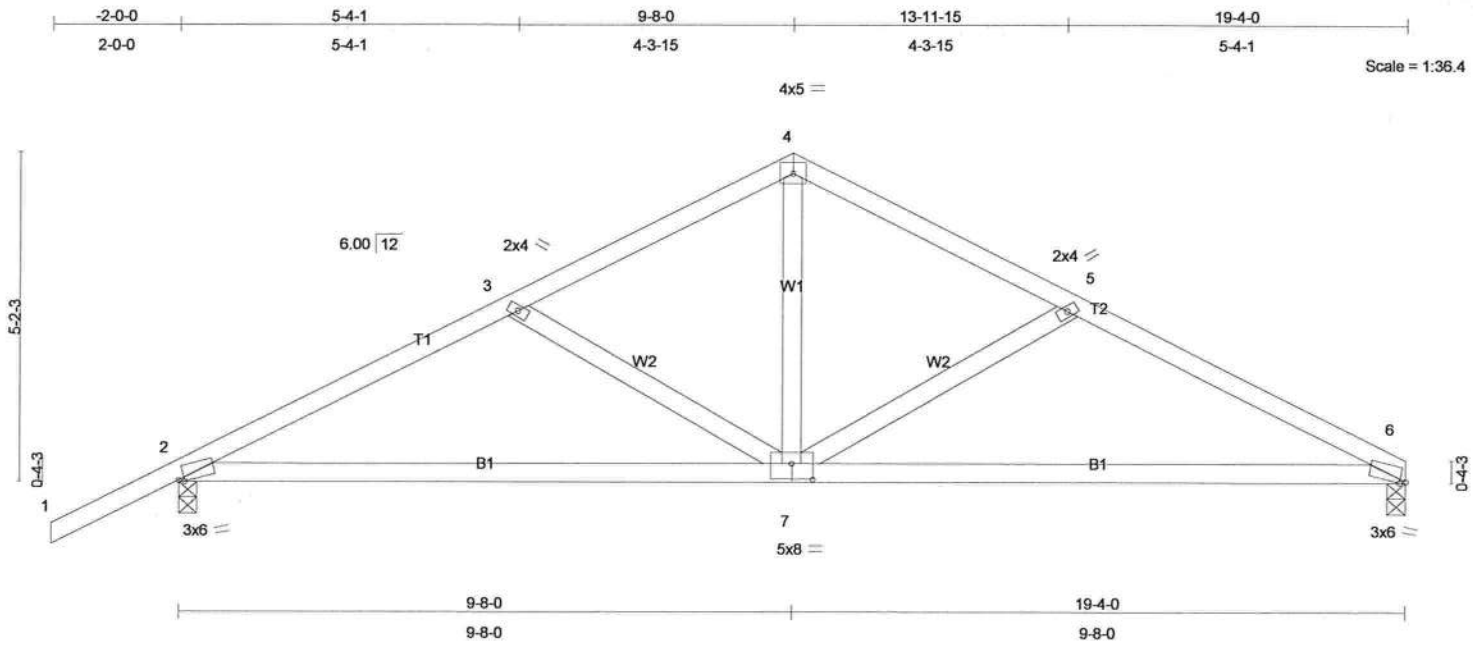

Plate Offsets (X,Y): [2:0-1-1,0-0-7], [6:0-1-1,0-0-7], [7:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.13	2-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.26	6-7	>873	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 86 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 9-3-6 oc bracing.

REACTIONS (lb/size) 6=603/0-3-8, 2=732/0-3-8
Max Horz 2=106(load case 6)
Max Uplift 6=-132(load case 7), 2=-230(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1015/558, 3-4=-748/447, 4-5=-750/450, 5-6=-1018/585
BOT CHORD 2-7=-408/845, 6-7=-446/868
WEBS 3-7=-279/238, 4-7=-203/424, 5-7=-306/282

JOINT STRESS INDEX
2 = 0.84, 3 = 0.33, 4 = 0.51, 5 = 0.33, 6 = 0.84 and 7 = 0.69

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES.
L276566	T29	COMMON	1	2	J1968781
					Job Reference (optional)

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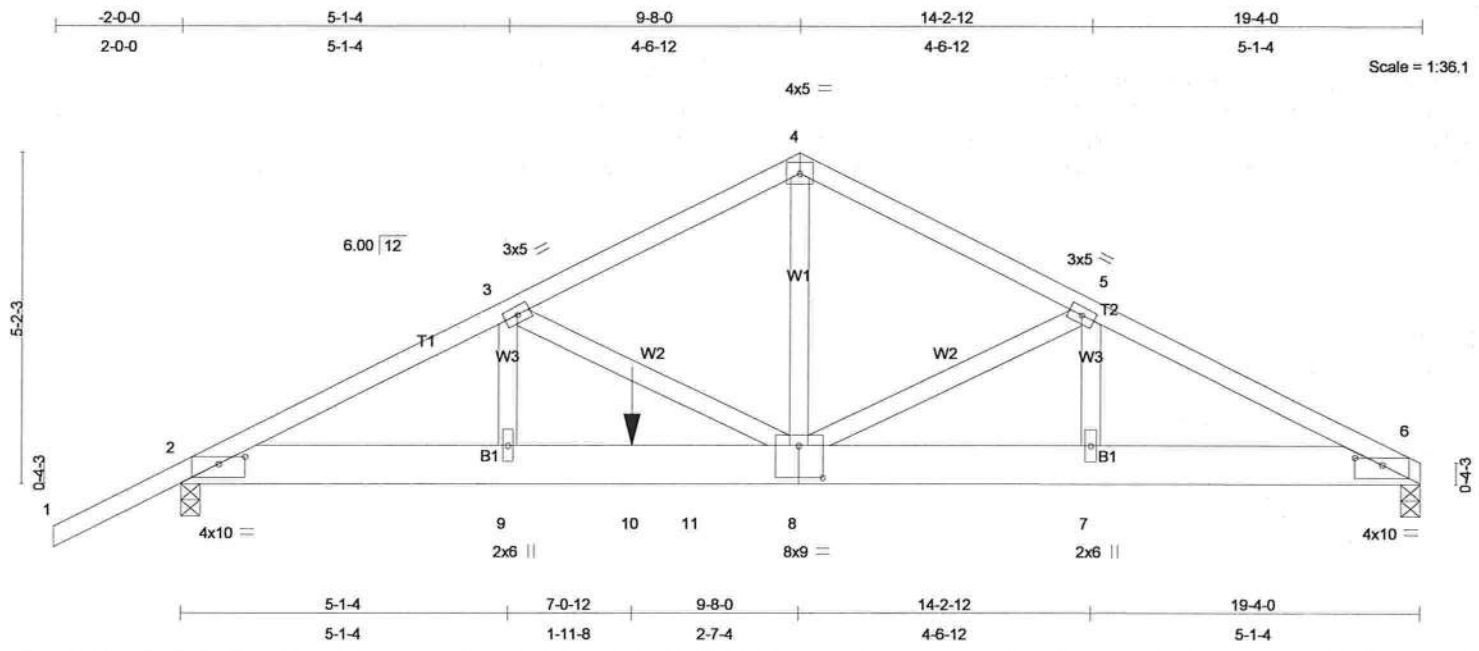

Plate Offsets (X,Y): [2:0-5-0,0-1-7], [6:0-5-0,0-1-7], [8:0-4-8,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.09	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.16	8-9	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 244 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=3357/0-3-8, 2=2560/0-3-8
Max Horz 2=112(load case 5)
Max Uplift 6=-894(load case 6), 2=-736(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-5189/1324, 3-4=-4129/1114, 4-5=-4130/1103, 5-6=-5737/1514
BOT CHORD 2-9=-1191/4597, 9-10=-1191/4597, 10-11=-1191/4597, 8-11=-1191/4597, 7-8=-1312/5098, 6-7=-1312/5098
WEBS 3-9=-164/743, 3-8=-1093/319, 4-8=-896/3370, 5-8=-1661/508, 5-7=-326/1213

JOINT STRESS INDEX
2 = 0.63, 3 = 0.51, 4 = 0.79, 5 = 0.51, 6 = 0.63, 7 = 0.29, 8 = 0.62 and 9 = 0.29

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) 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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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968782
L276566	T30	COMMON	1	1	Job Reference (optional)

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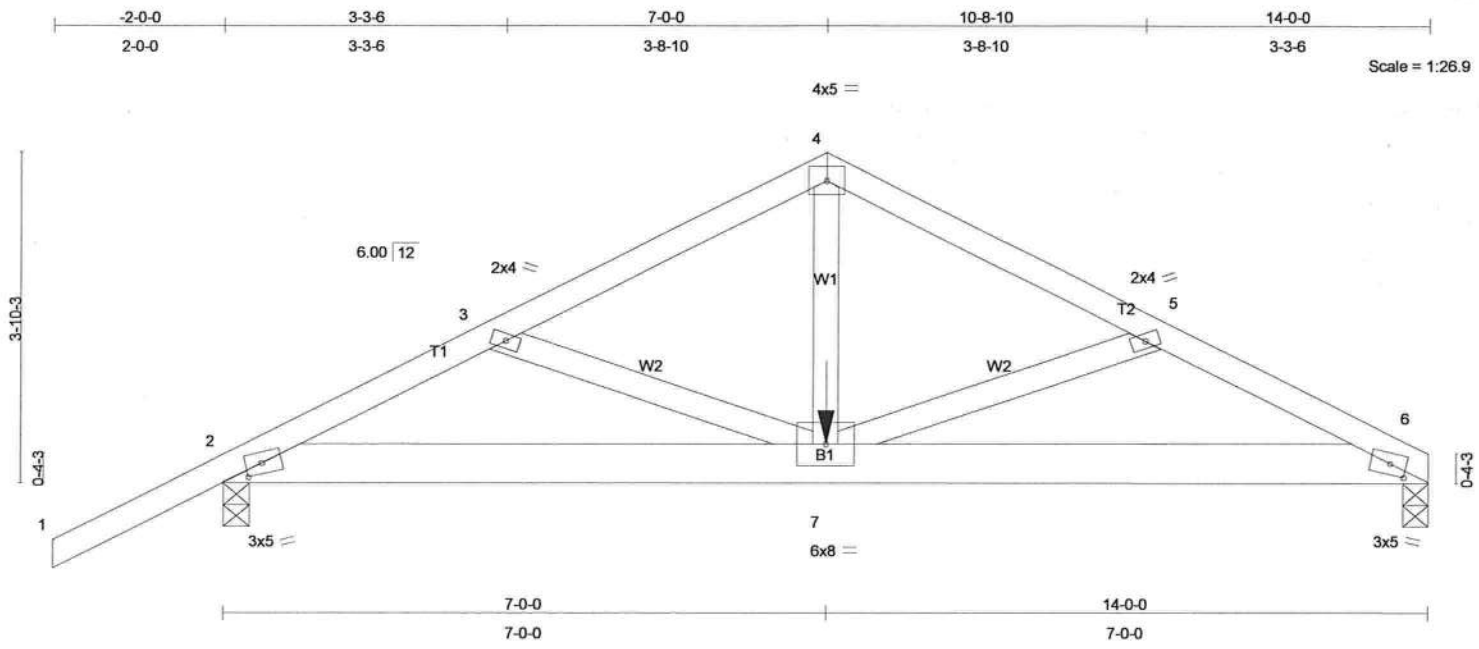

Plate Offsets (X,Y): [2:0-2-4,0-1-8], [6:0-2-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.04	7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.07	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.32	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 76 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 4-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=840/0-3-8, 2=974/0-3-8
Max Horz 2=94(load case 5)
Max Uplift 6=-260(load case 6), 2=-360(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1621/498, 3-4=-1436/480, 4-5=-1437/469, 5-6=-1638/537
BOT CHORD 2-7=-449/1406, 6-7=-449/1428
WEBS 3-7=-189/100, 4-7=-338/1005, 5-7=-211/122

JOINT STRESS INDEX
2 = 0.80, 3 = 0.12, 4 = 0.47, 5 = 0.12, 6 = 0.80 and 7 = 0.24

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
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 260 lb uplift at joint 6 and 360 lb uplift at joint 2.

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968783
L276566	T31	COMMON	2	1	Job Reference (optional)

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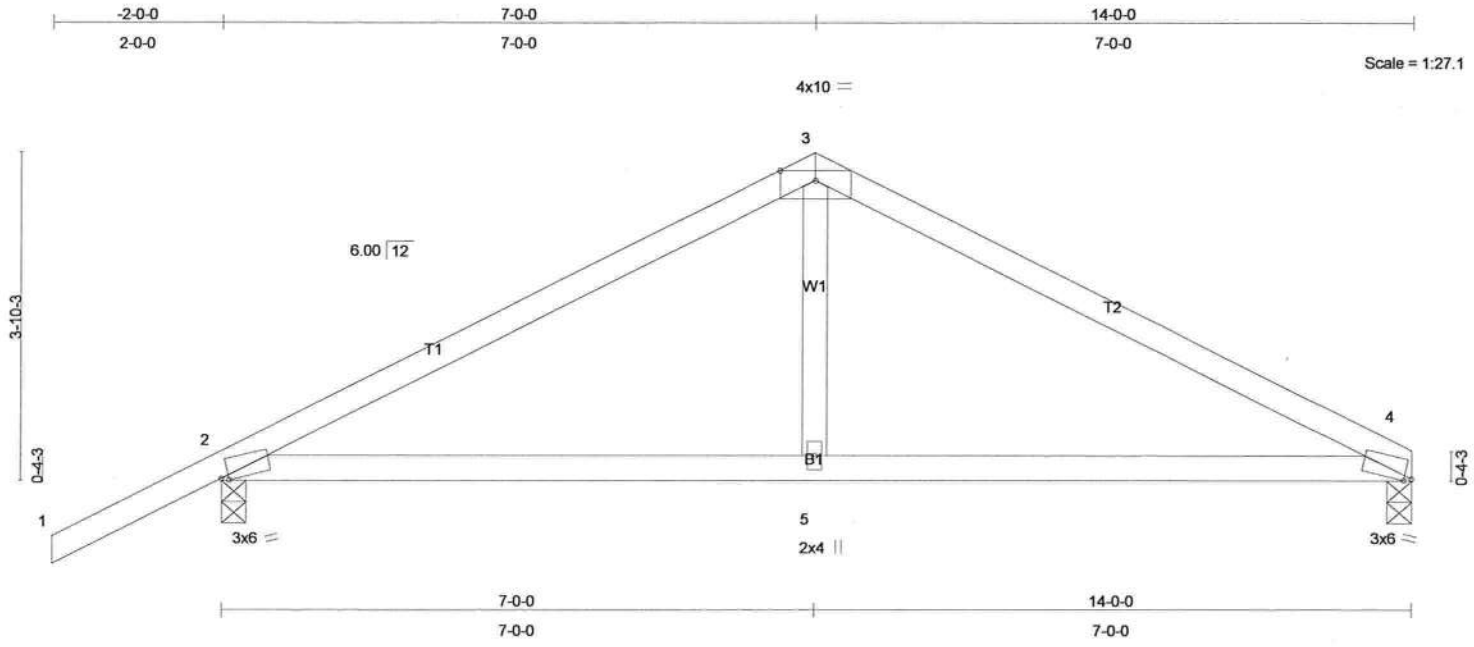

Plate Offsets (X,Y): [2:0-1-1,0-0-7], [4:0-1-1,0-0-7]

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)	0.07	4-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.11	4-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.01	4	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
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=430/0-3-8, 2=564/0-3-8
Max Horz 2=90(load case 6)
Max Uplift 4=-94(load case 7), 2=-195(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-642/360, 3-4=-638/354
BOT CHORD 2-5=-214/501, 4-5=-214/501
WEBS 3-5=0/240

JOINT STRESS INDEX
2 = 0.86, 3 = 0.97, 4 = 0.86 and 5 = 0.17

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968784
L276566	T32	MONO HIP	1	2	Job Reference (optional)

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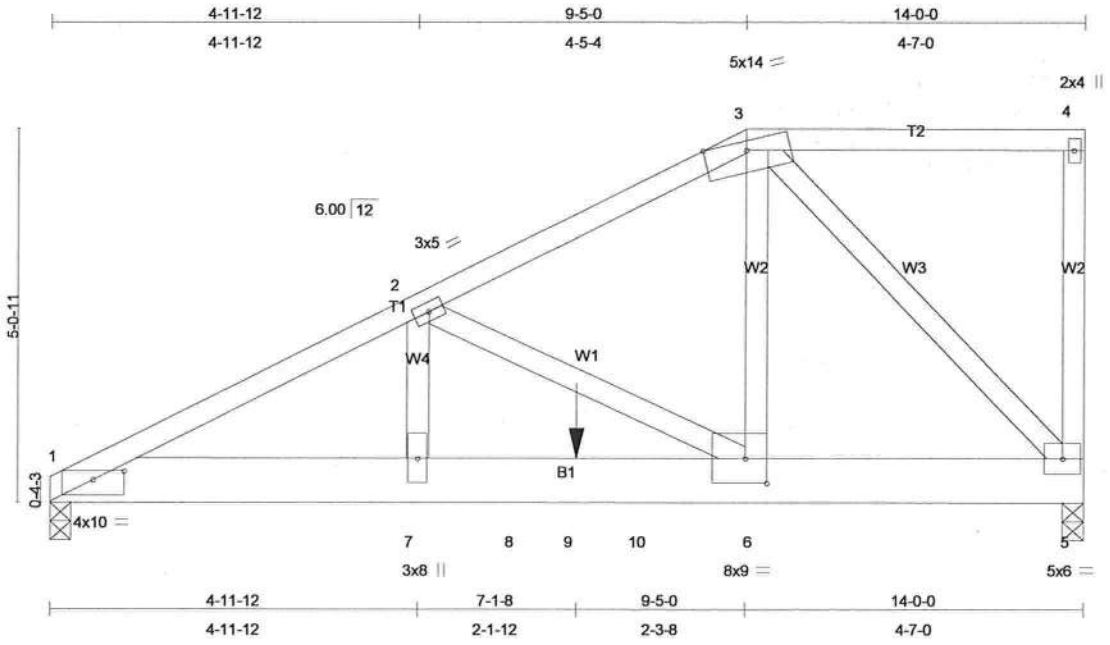

Plate Offsets (X,Y): [1:0-5-0,0-1-7], [6:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.11	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 193 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2923/0-3-8, 5=3425/0-3-8
Max Horz 1=148(load case 5)
Max Uplift 1=-775(load case 5), 5=-937(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5025/1316, 2-3=-2724/715, 3-4=-50/16, 4-5=-122/55
BOT CHORD 1-7=-1284/4459, 7-8=-1284/4459, 8-9=-1284/4459, 9-10=-1284/4459, 6-10=-1284/4459, 5-6=-697/2500
WEBS 2-7=-465/1819, 2-6=-2331/695, 3-6=-948/3495, 3-5=-3529/987

JOINT STRESS INDEX
1 = 0.55, 2 = 0.77, 3 = 0.56, 4 = 0.46, 5 = 0.35, 6 = 0.35 and 7 = 0.29

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) 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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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968785
L276566	T33	COMMON	5	1	Job Reference (optional)

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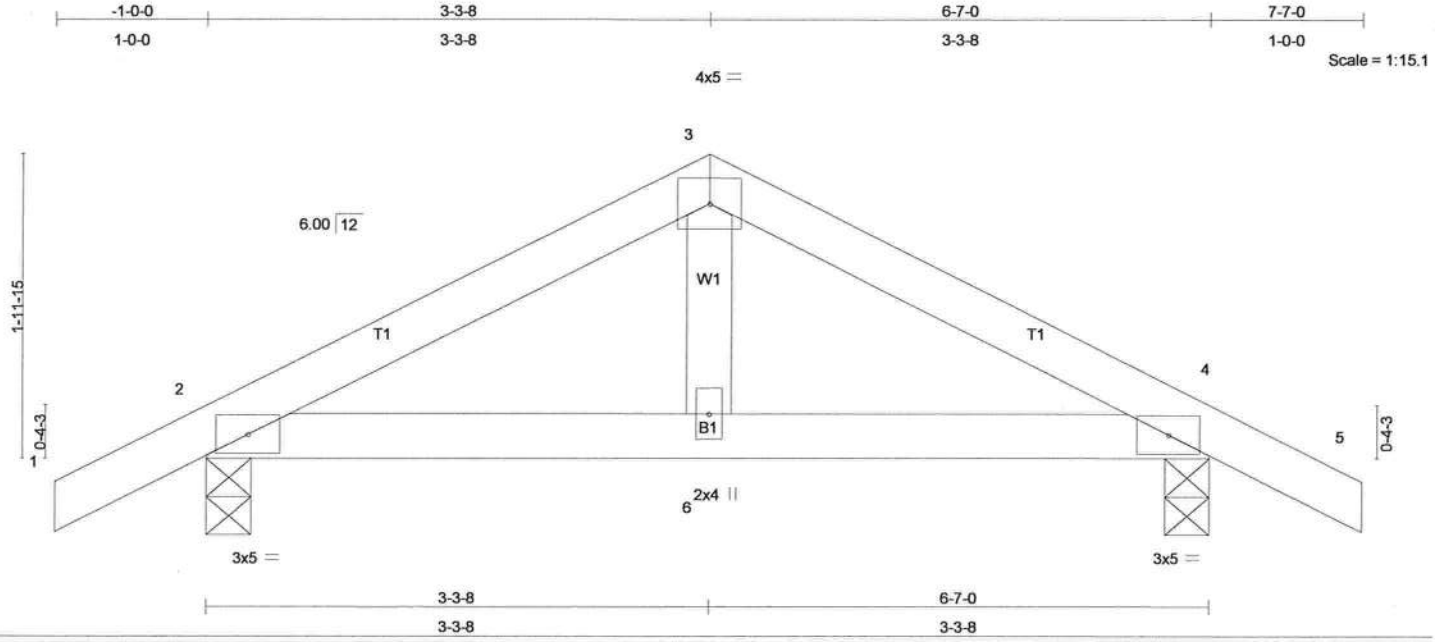

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 2=263/0-3-8, 4=263/0-3-8
Max Horz 2=-37(load case 7)
Max Uplift 2=-96(load case 6), 4=-96(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-239/142, 3-4=-239/142, 4-5=0/23
BOT CHORD 2-6=-20/171, 4-6=-20/171
WEBS 3-6=0/115

JOINT STRESS INDEX
2 = 0.16, 3 = 0.05, 4 = 0.16 and 6 = 0.08

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 96 lb uplift at joint 2 and 96 lb uplift at joint 4.

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968786
L276566	T33G	COMMON	1	1	Job Reference (optional)

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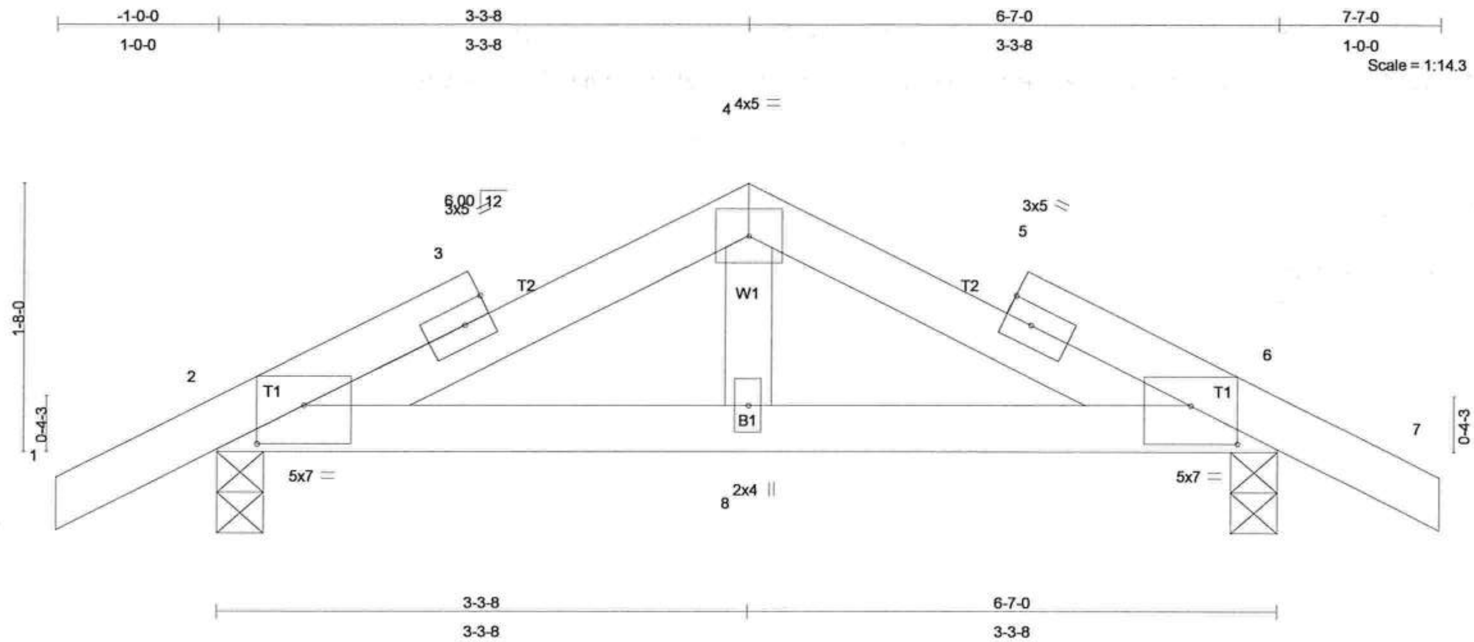

Plate Offsets (X,Y): [2:0-3-8,0-2-13], [6:0-3-8,0-2-13]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.01	8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

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

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

REACTIONS (lb/size) 2=370/0-3-8, 6=370/0-3-8
Max Horz 2=-37(load case 7)
Max Uplift 2=-209(load case 6), 6=-209(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5/34, 2-3=-357/224, 3-4=-315/219, 4-5=-315/219, 5-6=-357/224, 6-7=-5/34
BOT CHORD 2-8=-116/284, 6-8=-116/284
WEBS 4-8=0/111

JOINT STRESS INDEX
2 = 0.62, 3 = 0.00, 3 = 0.31, 4 = 0.07, 5 = 0.00, 5 = 0.31, 6 = 0.62 and 8 = 0.08

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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) *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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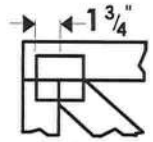
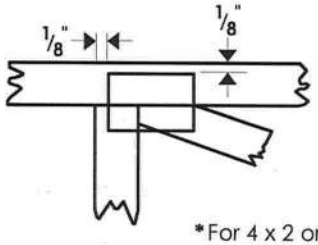
Continued on page 2

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.

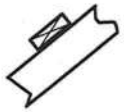
*This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

4 x 4

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

LATERAL BRACING

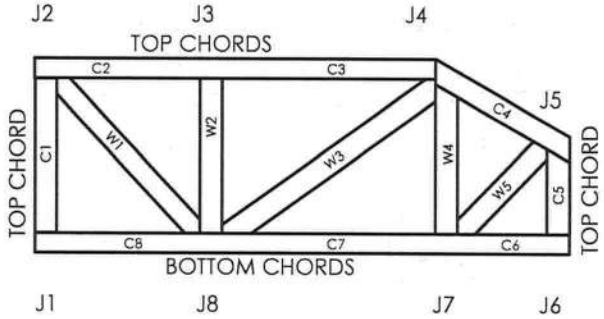


Indicates location of required continuous lateral bracing.

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®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-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 ¼ 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.

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

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 2"	5' 6"	6' 8"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	6' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STUD	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STANDARD	2' 11"	3' 9"	3' 9"	6' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
	SP DFL	#1	3' 6"	5' 6"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 6"	5' 6"	5' 11"	6' 6"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#3	3' 3"	4' 6"	4' 6"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 6"
		STUD	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 6"
		STANDARD	3' 0"	3' 10"	3' 10"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
16" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 2"	6' 2"	8' 3"	8' 3"	9' 7"	9' 7"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 8"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	6' 7"	7' 4"	7' 4"	8' 11"	9' 6"	11' 5"	11' 6"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"
12" O.C.	SPF HF	#1 / #2	4' 0"	6' 11"	7' 2"	8' 3"	8' 6"	9' 10"	10' 1"	12' 11"	13' 4"	14' 0"	14' 0"
		#3	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"
		STUD	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 10"	12' 10"	14' 0"	14' 0"
		STANDARD	3' 11"	5' 4"	5' 4"	7' 1"	7' 1"	9' 6"	9' 6"	11' 1"	11' 1"	14' 0"	14' 0"
	SP DFL	#1	4' 5"	6' 11"	7' 5"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 5"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#3	4' 2"	6' 5"	6' 5"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"
		STUD	4' 2"	6' 4"	6' 4"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

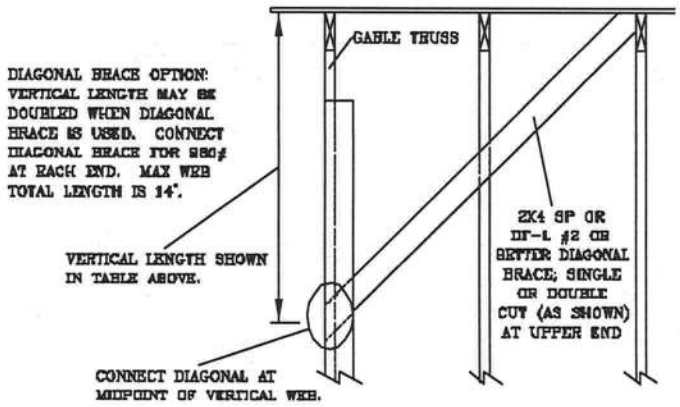
SOUTHERN PINE
#3
STUD
STANDARD

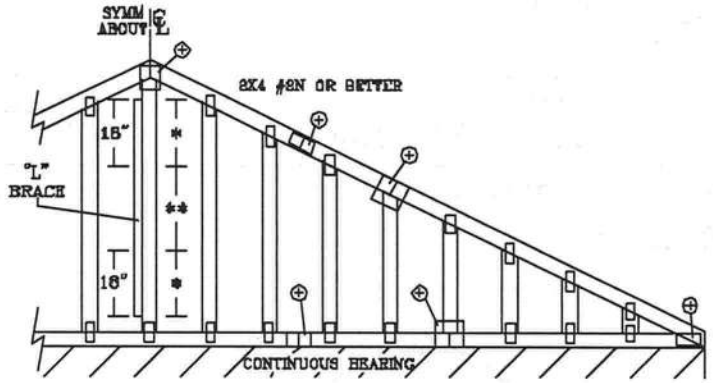
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

GABLE 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 2" 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 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
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, SPLICE, AND HEEL PLATES.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR, SUITE 200, MADISON, WI 53719) AND WTCA (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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 30' E H7
-ENG

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE 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.

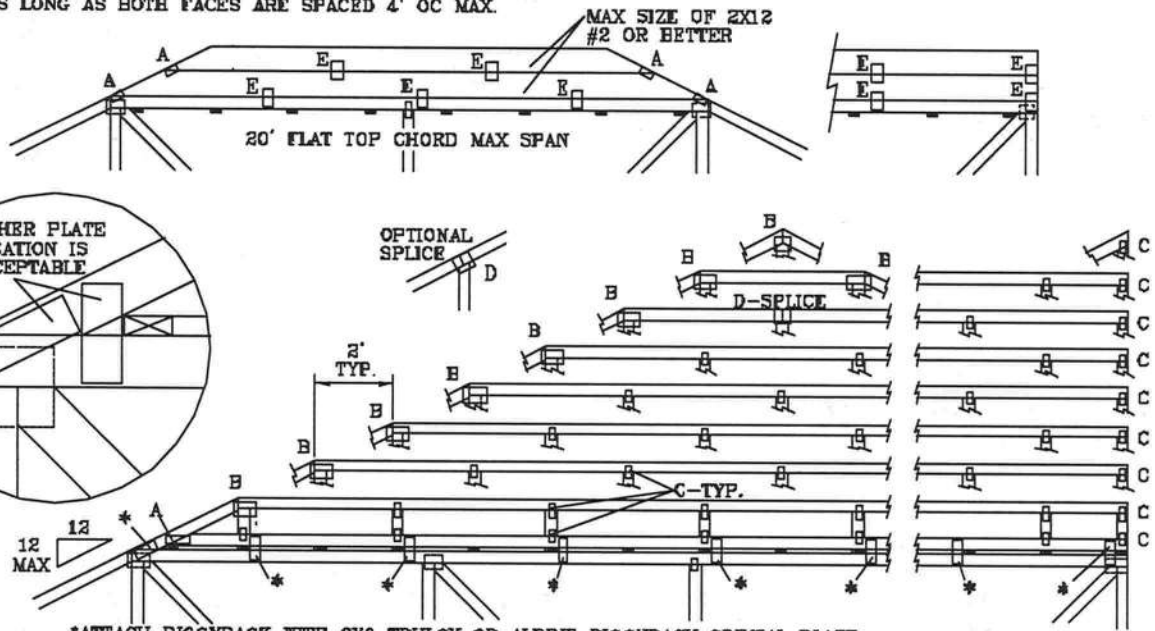
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

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

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

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



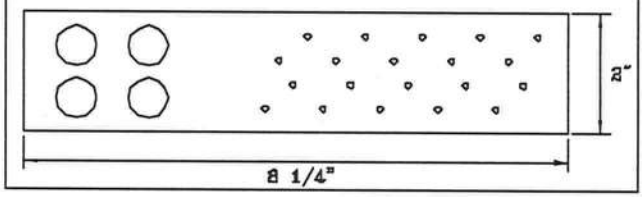
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	62'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (6) 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.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC.

* 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.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (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.

JULIUS LEE'S
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No: 34869
STATE OF FLORIDA

MAX LOADING
55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.
47 PSF AT 1.15 DUR. FAC.
SPACING 24.0"

REF PIGGYBACK
DATE 09/12/07
DRWG MITEK STD PIGGY
-ENG JL

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.

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."

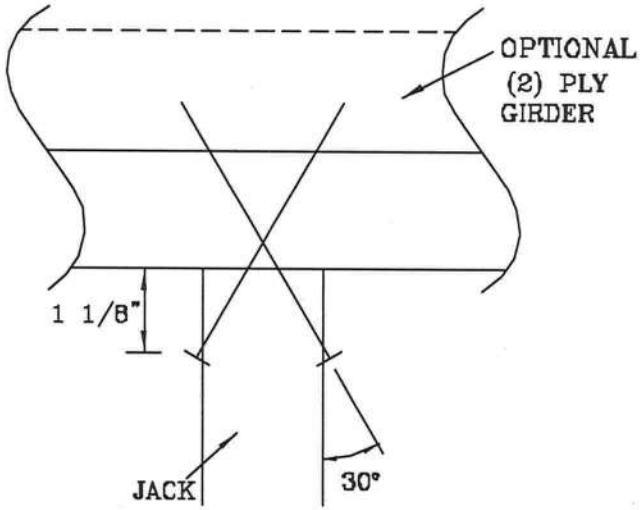
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

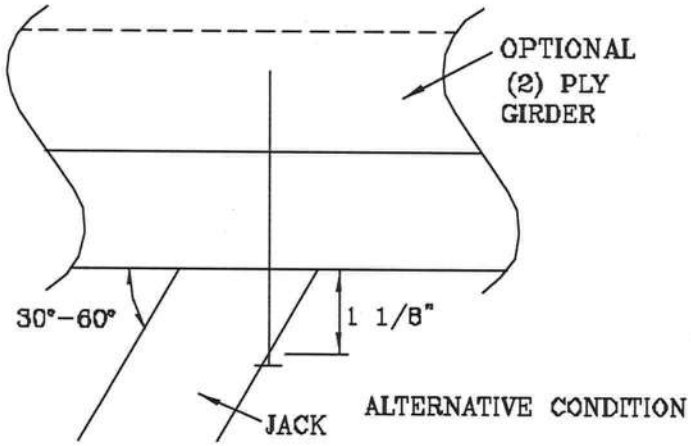
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
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.





ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR.; SUITE 200, MADISON, WI 53719) AND WTCA (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.

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DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

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			

TRULOX CONNECTION DETAIL

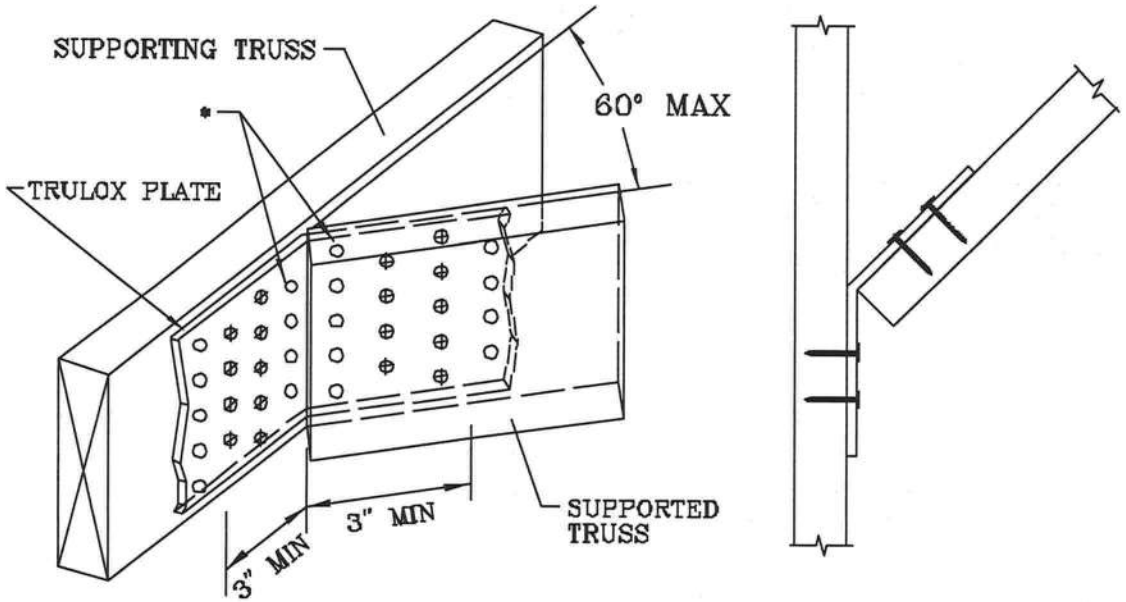
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* 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.

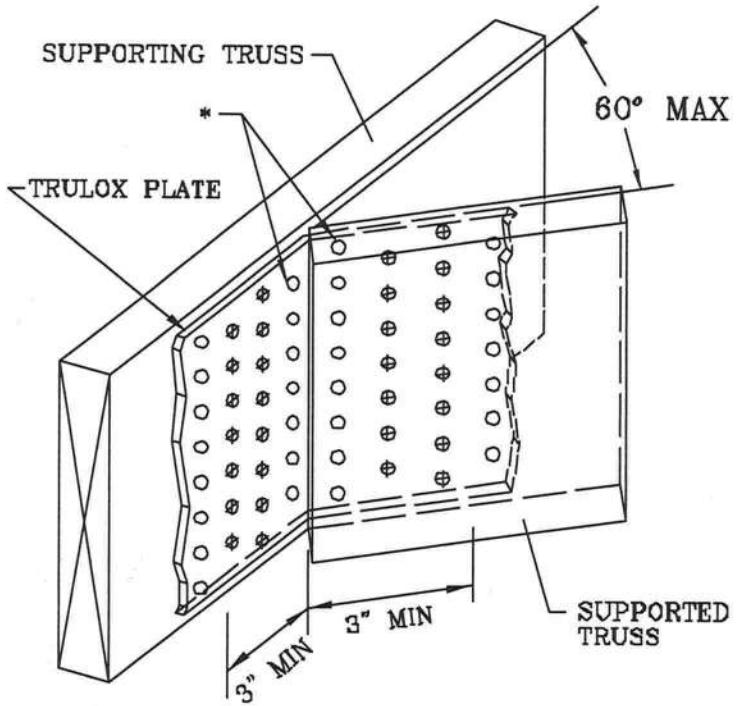
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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 1,158,989/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 BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (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.

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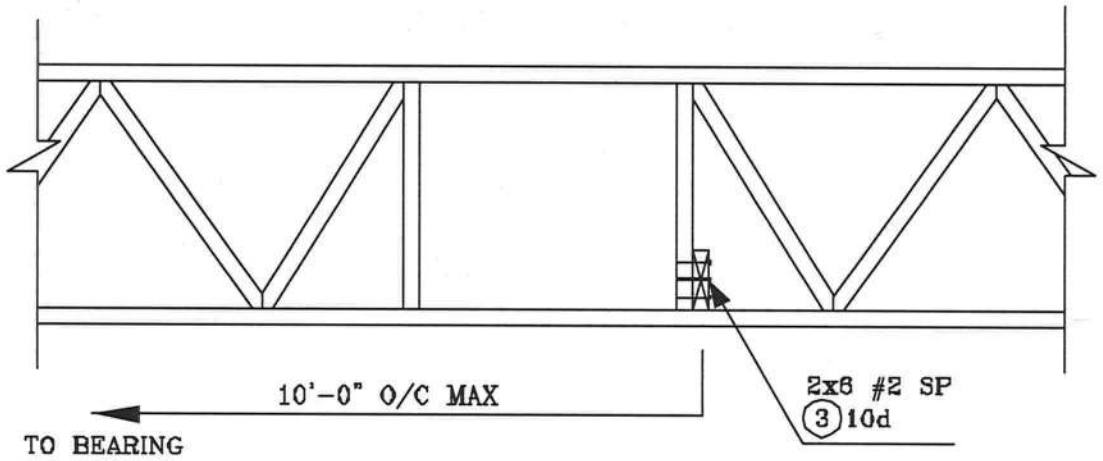
DELRAY BEACH, FL. 33444-2161

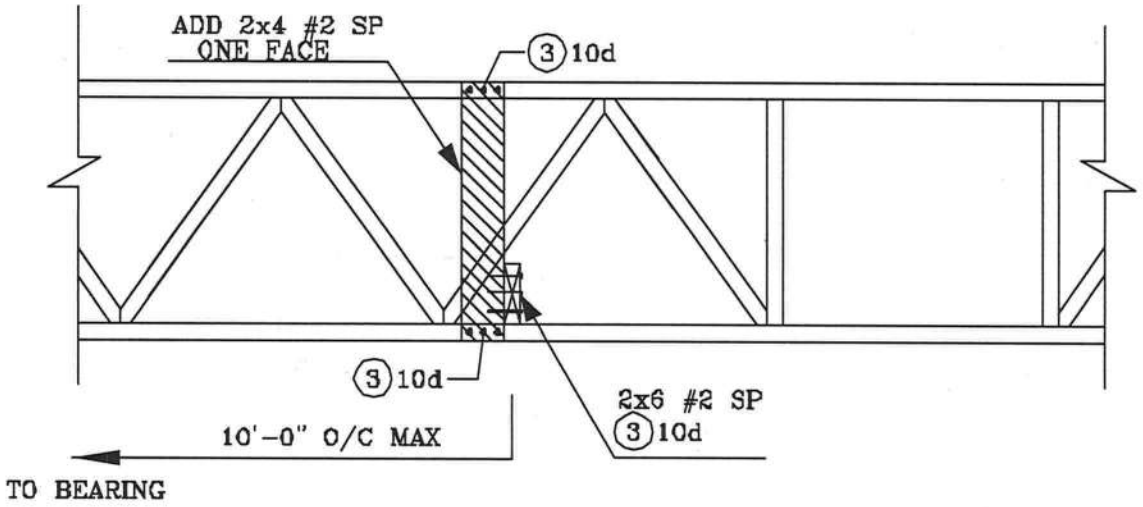
No: 34869
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
-ENG	JL

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 33444–2161

No: 34869
STATE OF FLORIDA

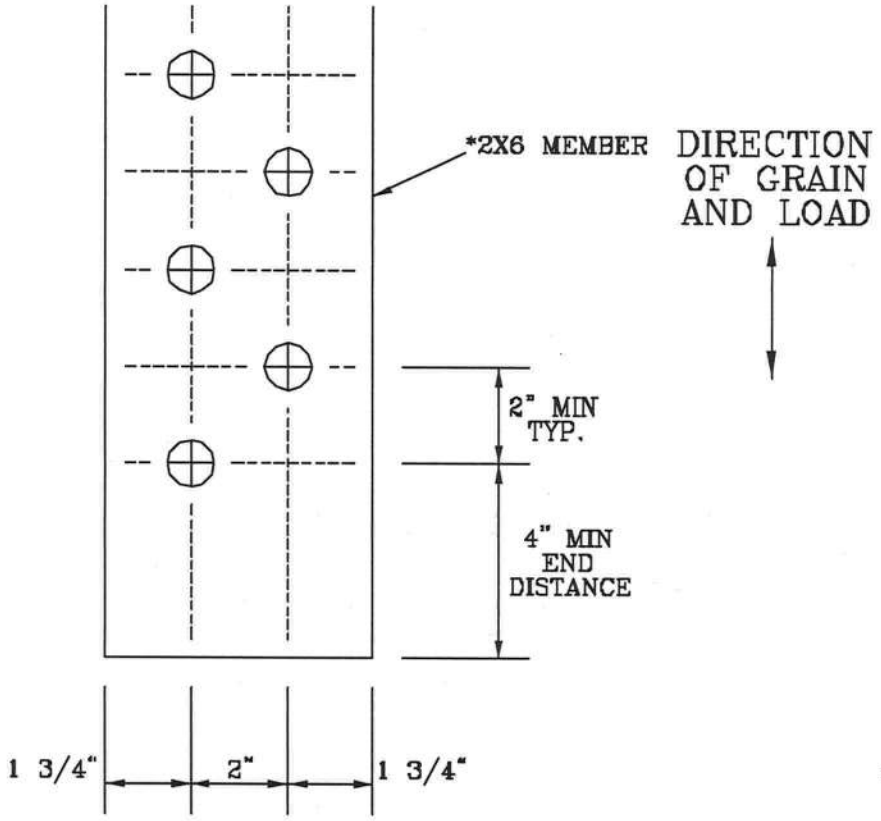
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

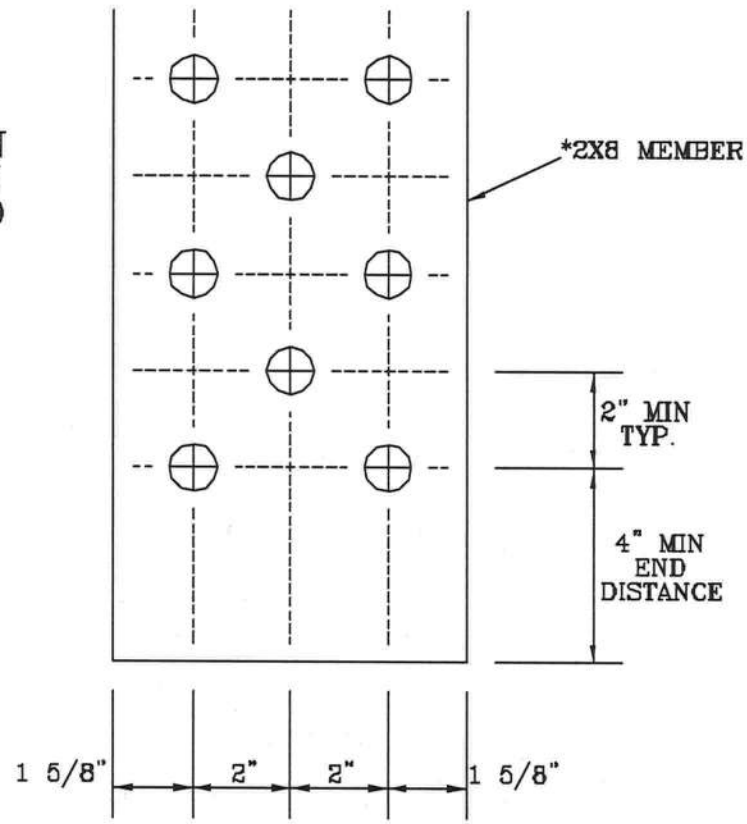
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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 A628,016

==WARNING== TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1450 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

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	
DUR. FAC.		
SPACING		

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.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

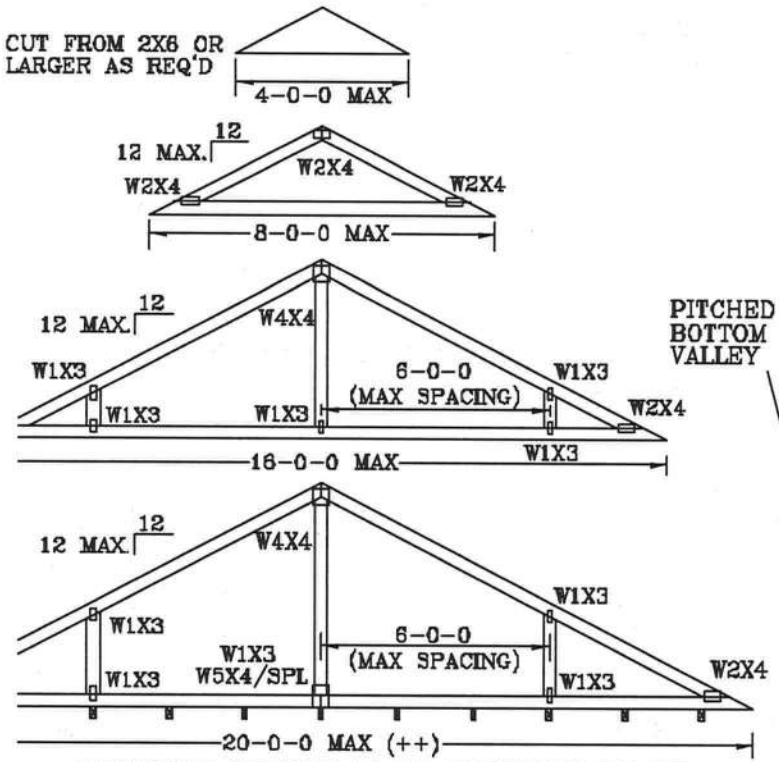
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

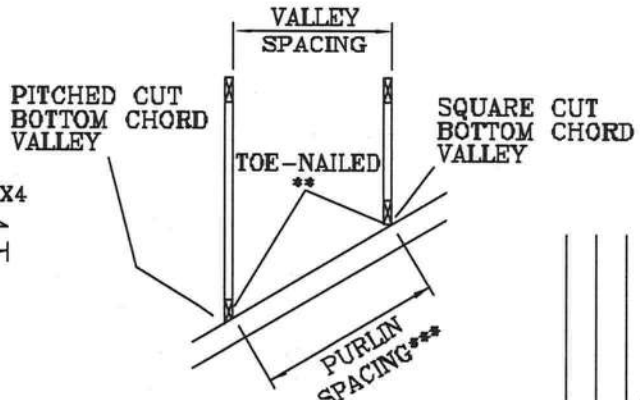
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

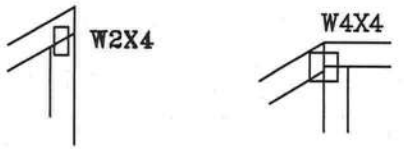
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

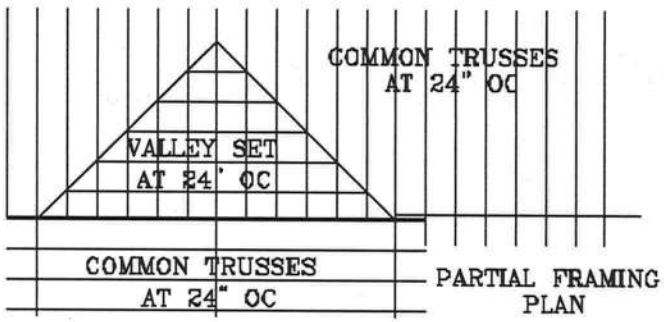
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

xxWARNINGxx TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (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.

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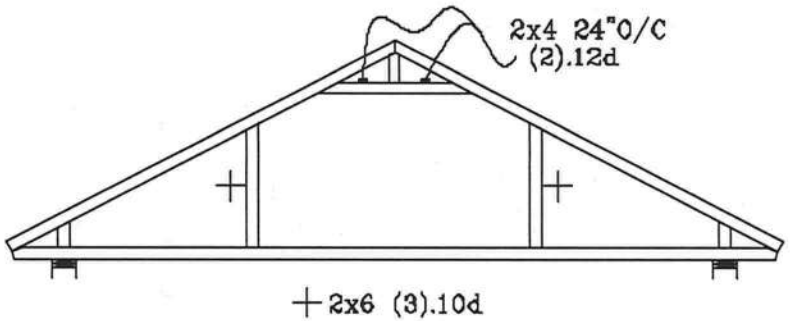
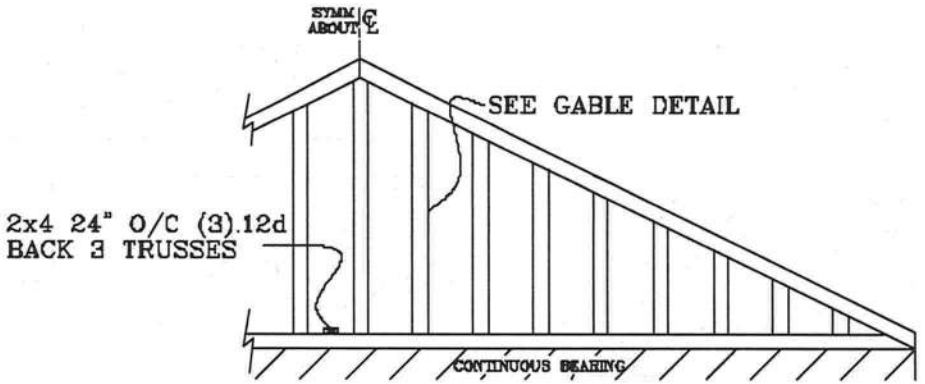
No: 54869
STATE OF FLORIDA

TC LL	20	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"		

TYPICAL ATTIC TRUSS BRACING

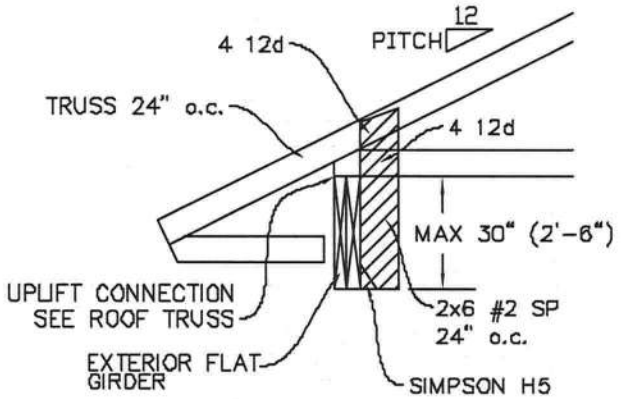


GABLE END TRUSS DETAIL

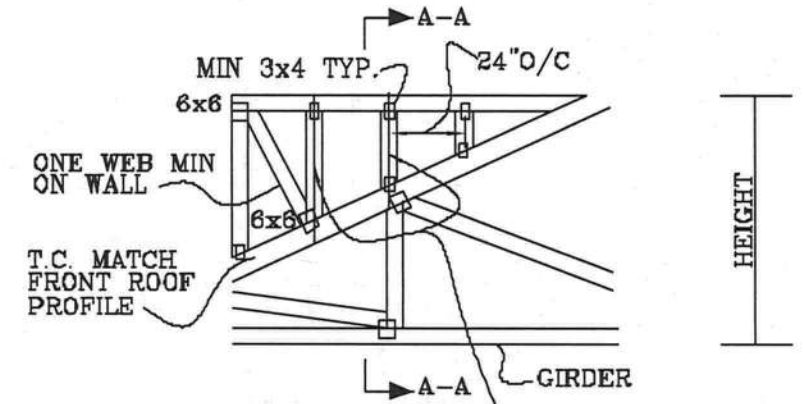


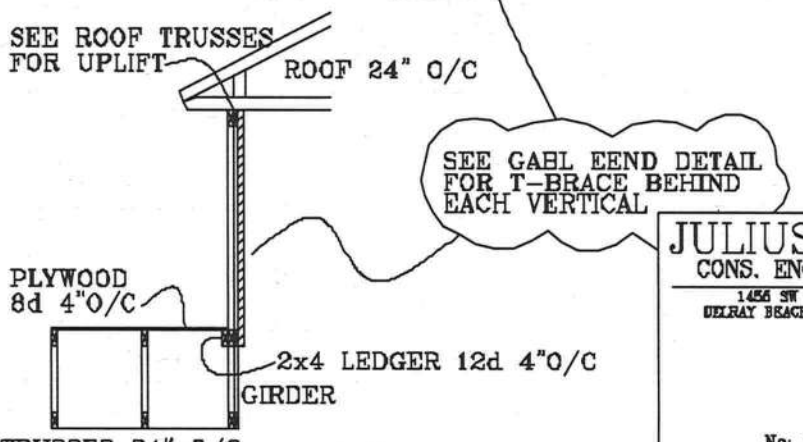
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL





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No: 34869
STATE OF FLORIDA

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

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 4"	5' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"
		#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
		STUD	3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
		STANDARD	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 8"	8' 8"	11' 5"	11' 5"
	SP DFL	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#3	3' 6"	5' 0"	6' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"
		STUD	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
16" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 5"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 5"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STUD	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STANDARD	4' 2"	6' 11"	6' 11"	7' 10"	7' 10"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP DFL	#1	4' 8"	7' 4"	7' 11"	8' 9"	8' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	8' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	8' 2"	10' 5"	10' 11"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	8' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	12' 6"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

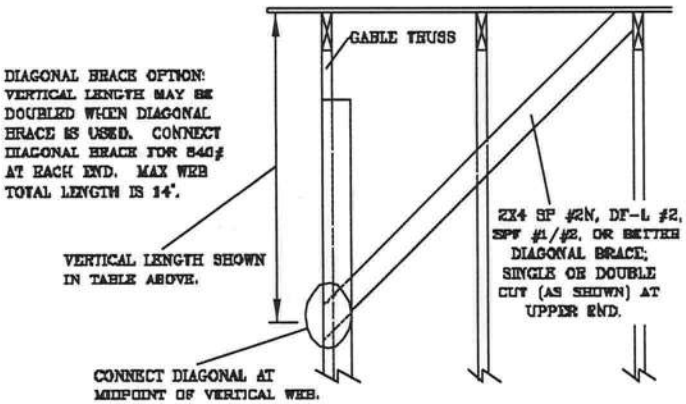
PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

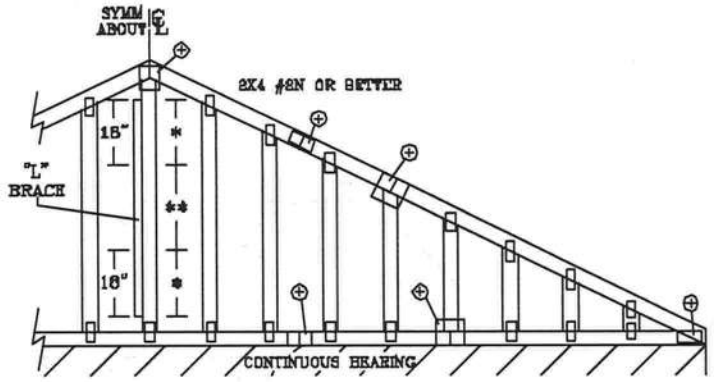
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" 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 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 540# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
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, SPLICE, AND HEEL PLATES.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR, SUITE 200, MADISON, WI 53719) AND WTCA (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.

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DELRAY BEACH, FL 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13015
DATE 11/26/03
DRWG MITEK STD GABLE 15 E HT
-ENG

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 2 and 209 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=-79(F=-25), 4-7=-79(F=-25), 2-6=-10

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May 29,2008

LOAD CASE(S) Standard

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Boynton Beach, FL 33435

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES.
					J1968784
L276566	T32	MONO HIP	1	2	Job Reference (optional)

NOTES

3) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
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 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 775 lb uplift at joint 1 and 937 lb uplift at joint 5.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-54, 1-8=-285(F=-275), 8-10=-10, 5-10=-431(F=-421)
   Concentrated Loads (lb)
   Vert: 9=-1300(F)

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968783
L276566	T31	COMMON	2	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 4 and 195 lb uplift at joint 2.

LOAD CASE(S) Standard

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968782
L276566	T30	COMMON	1	1	Job Reference (optional)

NOTES

6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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: 1-4=-54, 4-6=-54, 2-6=-10
   Concentrated Loads (lb)
   Vert: 7=-821(F)

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968781
L276566	T29	COMMON	1	2	Job Reference (optional)

NOTES

3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 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 894 lb uplift at joint 6 and 736 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=-294(F=-284)
   Concentrated Loads (lb)
   Vert: 10=-1405(F)

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May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968780
L276566	T28	COMMON	3	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 6 and 230 lb uplift at joint 2.

LOAD CASE(S) Standard

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1104 Coastal Key Blvd
Boynton Beach, FL 33435

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968779
L276566	T27	COMMON	6	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 2 and 229 lb uplift at joint 6.

LOAD CASE(S) Standard

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Boynton Beach, FL 33435

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968778
L276566	T26	HIP	1	1	Job Reference (optional)

NOTES

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 226 lb uplift at joint 2 and 226 lb uplift at joint 7.

LOAD CASE(S) Standard

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Truss Design Engineer
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Boynton Beach, FL 33435

May 29,2008

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 461 lb uplift at joint 2 and 461 lb uplift at joint 5.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-54, 2-9=-10, 7-9=-22(F=-12), 5-7=-10
   Concentrated Loads (lb)
   Vert: 9=-411(F) 7=-411(F)

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968776
L276566	T24	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 240 lb uplift at joint 2, 505 lb uplift at joint 17, 238 lb uplift at joint 10 and 292 lb uplift at joint 12.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968775
L276566	T23	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.59, 3 = 0.46, 4 = 0.33, 5 = 0.40, 6 = 0.25, 7 = 0.39, 8 = 0.39, 9 = 0.36, 10 = 0.53, 11 = 0.56, 13 = 0.39, 14 = 0.78, 15 = 0.76, 16 = 0.86, 17 = 0.79, 18 = 0.76 and 19 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 3x5 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 266 lb uplift at joint 2, 473 lb uplift at joint 18, 201 lb uplift at joint 11 and 363 lb uplift at joint 13.

LOAD CASE(S) Standard

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JOINT STRESS INDEX

2 = 0.59, 3 = 0.46, 4 = 0.33, 5 = 0.50, 6 = 0.42, 7 = 0.39, 8 = 0.33, 9 = 0.39, 10 = 0.44, 11 = 0.33, 12 = 0.84, 14 = 0.47, 15 = 0.39, 16 = 0.24, 17 = 0.67, 18 = 0.83 and 19 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 419 lb uplift at joint 2, 491 lb uplift at joint 18, 165 lb uplift at joint 12 and 403 lb uplift at joint 14.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968773
L276566	T21	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.75, 3 = 0.46, 4 = 0.33, 5 = 0.48, 6 = 0.33, 7 = 0.29, 8 = 0.52, 9 = 0.33, 10 = 0.64, 11 = 0.76, 12 = 0.55, 14 = 0.72, 15 = 0.72, 16 = 0.33, 17 = 0.32, 18 = 0.44, 19 = 0.83, 20 = 0.80 and 21 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; cantilever right exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
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 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 683 lb uplift at joint 2, 587 lb uplift at joint 20 and 957 lb uplift at joint 14.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-7=-54, 7-22=-54, 11-22=-118(F=-64), 11-13=-54, 2-20=-10, 19-20=-10, 17-19=-10, 17-23=-10, 15-23=-22(F=-12), 12-15=-10
   Concentrated Loads (lb)
   Vert: 15=-411(F)

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968772
L276566	T20	SPECIAL	3	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 1 and 133 lb uplift at joint 6.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968771
L276566	T19	HIP	1	1	Job Reference (optional)

NOTES

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 139 lb uplift at joint 1 and 128 lb uplift at joint 6.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968770
L276566	T18	HIP	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 103 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968769
L276566	T17	MONO HIP	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 7 and 218 lb uplift at joint 2.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968768
L276566	T16	MONO HIP	1	1	Job Reference (optional)

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 485 lb uplift at joint 6 and 440 lb uplift at joint 2.
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, 3-5=-118(F=-64), 2-9=-10, 6-9=-22(F=-12)
   Concentrated Loads (lb)
   Vert: 9=-411(F)

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968767
L276566	T14	SPECIAL	3	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *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 179 lb uplift at joint 2, 455 lb uplift at joint 12 and 99 lb uplift at joint 9.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968766
L276566	T13	SPECIAL	2	2	Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; cantilever right exposed ; porch left and right exposed; 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 137 lb uplift at joint 2, 1035 lb uplift at joint 17, 2083 lb uplift at joint 13 and 140 lb uplift at joint 11.

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: 1-6=-54, 6-7=-54, 7-8=-54, 10-12=-54, 2-17=-10, 16-17=-10, 15-16=-10, 11-15=-10
   Concentrated Loads (lb)
      Vert: 10=-146(F) 13=-365(F) 19=-896(F)
   Trapezoidal Loads (plf)
      Vert: 8=-185(F=-131)-to-10=-258(F=-204)

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968765
L276566	T12	SPECIAL	2	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.55, 3 = 0.29, 4 = 0.33, 5 = 0.68, 6 = 0.45, 7 = 0.47, 8 = 0.46, 9 = 0.52, 10 = 0.52, 12 = 0.40, 13 = 0.54, 14 = 0.24, 15 = 0.72, 16 = 0.58 and 17 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 229 lb uplift at joint 2, 441 lb uplift at joint 16, 243 lb uplift at joint 10 and 269 lb uplift at joint 12.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968764
L276566	T11	SPECIAL	2	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.60, 3 = 0.42, 4 = 0.59, 5 = 0.90, 6 = 0.42, 7 = 0.92, 8 = 0.79, 9 = 0.75, 11 = 0.44, 12 = 0.39, 13 = 0.65, 14 = 0.89, 15 = 0.59, 16 = 0.65 and 17 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 240 lb uplift at joint 2, 443 lb uplift at joint 16, 241 lb uplift at joint 9 and 263 lb uplift at joint 11.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968763
L276566	T10	SPECIAL	1	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 197 lb uplift at joint 14, 239 lb uplift at joint 7 and 315 lb uplift at joint 9.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968762
L276566	T09	SPECIAL	1	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 214 lb uplift at joint 14, 264 lb uplift at joint 7 and 397 lb uplift at joint 9.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968761
L276566	T08	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed ; 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) 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 181 lb uplift at joint 15, 318 lb uplift at joint 8 and 369 lb uplift at joint 10.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968760
L276566	T07	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60.
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 219 lb uplift at joint 21 and 811 lb uplift at joint 14.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-54, 5-7=-54, 7-22=-54, 9-22=-118(F=-64), 9-12=-54, 19-21=-10, 17-19=-10, 17-23=-10, 23-24=-22(F=-12), 11-24=-10
   Concentrated Loads (lb)
   Vert: 9=-265(F) 24=-52(F)

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968759
L276566	T06	SPECIAL	4	1	Job Reference (optional)

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 99 lb uplift at joint 1 and 166 lb uplift at joint 7.

LOAD CASE(S) Standard

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NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 343 lb uplift at joint 2 and 344 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, 10-11=-70(F=-60), 6-11=-10

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968757
L276566	T04	COMMON	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 343 lb uplift at joint 2 and 344 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, 10-11=-70(F=-60), 6-11=-10

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968756
L276566	T03	HIP	1	1	Job Reference (optional)

NOTES

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 266 lb uplift at joint 2 and 266 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968755
L276566	T02	HIP	1	1	Job Reference (optional)

NOTES

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 253 lb uplift at joint 2 and 253 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968754
L276566	T01	HIP	1	1	Job Reference (optional)

NOTES

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 591 lb uplift at joint 2 and 591 lb uplift at joint 7.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-6=-118(F=-64), 6-8=-54, 2-11=-10, 9-11=-22(F=-12), 7-9=-10
   Concentrated Loads (lb)
   Vert: 11=-411(F) 9=-411(F)

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Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968753
L276566	HJ9B	MONO TRUSS	2	1	Job Reference (optional)

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 235 lb uplift at joint 5, 522 lb uplift at joint 2 and 113 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).
7) 190# concentrated load from a structural sub-fascia beam. Sub-fascia beam and its connections to be designed and furnished by others.

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
   Concentrated Loads (lb)
   Vert: 1=-190(F)
   Trapezoidal Loads (plf)
   Vert: 2=-2(F=26, B=26)-to-5=-134(F=-40, B=-40), 2=0(F=5, B=5)-to-6=-25(F=-7, B=-7)

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

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968752
L276566	HJ9A	MONO TRUSS	2	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 4, 357 lb uplift at joint 2, 40 lb uplift at joint 5 and 241 lb uplift at joint 6.
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)

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

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968751
L276566	HJ9	MONO TRUSS	5	1	Job Reference (optional)

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)

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

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES.
L276566	FG1	SPECIAL	1	1	J1968750 Job Reference (optional)

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 248 lb uplift at joint 6 and 248 lb uplift at joint 4.
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, 4-6=-255(F=-245)

Julius Lee
Truss Design Engineer
Florida PE No. 34836
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

May 29,2008

Job	Truss	Truss Type	Qty	Ply	DURATION / ST. ALBANS WOOD / ROOF J1968749
L276566	EJ7A	MONO TRUSS	4	1	Job Reference (optional)

NOTES

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 31 lb uplift at joint 1 and 93 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

May 29,2008

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
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Boynton Beach, FL 33435

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LOAD CASE(S) Standard

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Boynton Beach, FL 33435

May 29,2008

LOAD CASE(S) Standard

Julius Lee
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Boynton Beach, FL 33435

May 29,2008

LOAD CASE(S) Standard

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

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968744
L276566	CJ3A	JACK	4	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

May 29,2008

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 2-4=-10
   Concentrated Loads (lb)
   Vert: 1=-95(F)

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

May 29,2008

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968742
L276566	CJ1B	JACK	4	1	Job Reference (optional)

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34836
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

May 29,2008

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 31893
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

May 29,2008

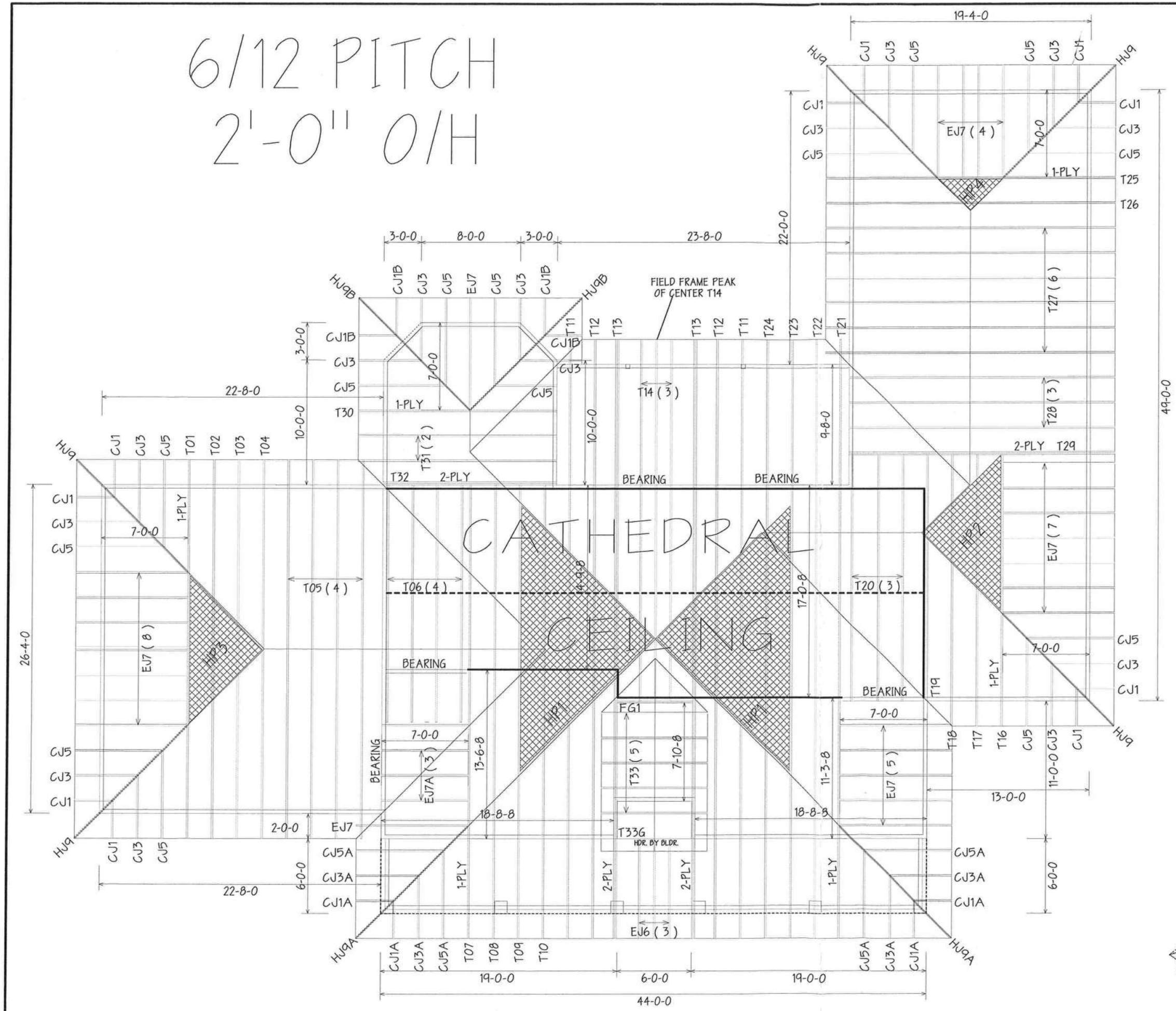
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN - KNEPPAR RES. J1968740
L276566	CJ1	JACK	10	1	Job Reference (optional)

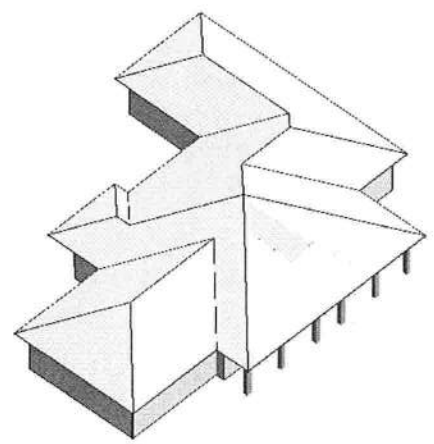
LOAD CASE(S) Standard

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

May 29,2008

6/12 PITCH
2'-0" O/H





BEARING HEIGHT SCHEDULE

10'-1 1/8"

HANGER SCHEDULE
20 - HTU26

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V05 FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) 5Y42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date _____

Approved by: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER:	RICHARD KEEN
LEGAL ADDRESS:	KNEPPAR RES.
MODEL:	CUSTOM
REVISION:	
SCALE:	NTS
DATE:	5-6-08
DRAWN BY:	K.L.H.
JOB #:	L276566

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Dr
City Lake City, Phone 752-1703

Site Location: Subdivision Cannon Creek Airpark
Lot # _____ Block# _____ Permit # 27142
Address _____

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Main Body Garage, Porches	3327	294	240

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

8/4/08 Date

7:52 Time

Nat Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

FEES:

ROAD IMPACT FEE $1,046.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE $29.88
10300003632210

FIRE PROTECTION IMPACT FEE $78.63
10200003632220

CORRECTIONS IMPACT FEE $409.16
00100003632200

SCHOOL IMPACT FEE $1,500.00
00100003632900

TOTAL FEES CHARGED $3,063.67 CHECK NUMBER 1583