DATE 08/06/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027246

APPLICANT B. TRENT GIEBEIG PHONE 386.397.0545

ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025

OWNER PETE GIEBEIG PHONE 386.752.0791

ADDRESS 252 SW LUCILLE COURT LAKE CITY FL 32024

CONTRACTOR B. TRENT GIEBIEG PHONE 386.397.0545

LOCATION OF PROPERTY 90-W TO SR.247-S,TL TO MAY-FAIR LN,TR TO LUCILLE CT,TR
LOT IS ON THE L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 137150.00

HEATED FLOOR AREA 1949.00 TOTAL AREA 2743.00 HEIGHT 16.11 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 XPP DEVELOPMENT PERMIT NO.

PARCEL ID 11-4S-16-02911-326 SUBDIVISION MAY-FAIR

LOT 26 BLOCK PHASE UNIT 3 TOTAL ACRES 0.51

000001653		R282811523		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
18"X32'MITERED	08-0324	BLK	WR	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ELEVATION CONFIRMATION LETTER REQUIRED BEFORE SLAB. MFE @ 158.50'
NOC ON FILE.

Check # or Cash 4361

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 $	690.00	CERTIFICATION FEE $	13.71	SURCHARGE FEE $	13.71
MISC. FEES $	0.00	ZONING CERT. FEE $	50.00	FIRE FEE $	0.00
WASTE FEE $					
FLOOD DEVELOPMENT FEE $		FLOOD ZONE FEE $	25.00	CULVERT FEE $	25.00
TOTAL FEE	817.42				

INSPECTORS OFFICE _____ CLERKS OFFICE _____

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

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

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

A15

Prepared by:
Peter W. Giebeig
PO Box 1384
Lake City, FL 32056

Inst:200812008355 Date:4/29/2008 Time:3:59 PM
Doc Stamp-Deed:364.00
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1149 P:362

CORPORATE WARRANTY DEED

THIS INDENTURE, Made the 28th of April, 2008, by
Concept Construction of North Florida, Inc. a Florida Corporation
A corporation existing under the laws of the State of Florida and having its principal place of business at:
2109 W US Highway 90, Suite 170-144, Lake City, FL 32055,
hereinafter called the Grantor,
To:
Peter W. Giebeig,
whose post office address is : P.O. Box 1384, Lake City, FL 32056
hereinafter called the Grantee:
(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives ad assigns of individuals, and the successors and assigns of corporation)

WITNESSETH: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz: Tax ID# R02911-326

Lot 26, May-Fair Unit 3, a subdivision according to the plat thereof filed in Plat Book 8, Pages 84-85, of the Public Records of Columbia County, Florida.

This is an absolute conveyance of the title in consideration of the cancellation of the debt secured by the mortgage recorded in Official Records Book 1085, Page 737, of the Public Records of Columbia County, Florida, and is not intended to be an additional security.

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

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land, and hereby warrants the title to said land and will defend the same against the lawful claims of all persons claiming by, through or under the said grantor.

IN WITNESS WHEREOF, the said grantor has hereunto set their hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Donna Cox
Witness Donna Cox

Traci Landry
Witness TRACI LANDRY

Concept Construction of North Florida, Inc.

BY: _____
Brian S. Crawford, President

STATE OF FLORIDA
COUNTY OF COLUMBIA

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the county aforesaid, to take acknowledgments, personally appeared Brian S. Crawford, well known to be the PRESIDENT, respectively of Concept Construction of North Florida, Inc., a Florida Corporation named as grantor in the foregoing deed, and that they severally acknowledged executing the same in the presence of two subscribing witnesses freely and voluntarily under authority duly vested .

WITNESS my hand and official seal in the County and State last aforesaid this 28th day of April 2008.

DONNA COX
Notary Public, State of Florida
My Comm. Expires Jan. 16, 2010
Comm. No. DD 607061
Bonded Thru Notary Public Underwriters

Donna Cox
NOTARY PUBLIC
My Commission expires:

Columbia County Building Permit Application

For Office Use Only Application # 0807-76 Date Received _____ By JW Permit # 27246/1653

Zoning Official B2K Date 06.08.08 Flood Zone X Plat Land Use Res. Low Dev Zoning RSF-2

FEMA Map # N/A Elevation N/A MFE 158.5' River N/A Plans Examiner (WA) Date 8/6/8

Comments Elevation Confirmation Letter Required before slab

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

Dev Permit # _____ In Floodway Letter of Auth. from Contractor F W Comp. letter

IMPACT FEES: EMS $29.88 Fire $78.63 Corr $409.16 Road/Code $1,046.00 / 210

School $1,500.00 = TOTAL $3,063.67

Septic Permit No. 08-0324 Fax 386-754-9601

Name Authorized Person Signing Permit Trent Giebeig Phone 386-397-0545

Address 697 SE Holly Terrace Lake City FL 32025

Owners Name Pete Giebeig Phone 386-752-0791

911 Address 252 SW Lucille Court Lake City, FL 32024

Contractors Name Trent Giebeig Const Inc Phone 386-397-0545

Address 697 SE Holly Terrace, L.C. FL 32025

Fee Simple Owner Name & Address Pete Giebeig PO Box 1384 Lake City FL 32055

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Freeman Design

Mortgage Lenders Name & Address _____

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

Property ID Number 11-4S-16-02911-326 Estimated Cost of Construction 100,000

Subdivision Name Mayfair Lot 26 Block ____ Unit 3 Phase ____

Driving Directions 90W to 247, South, TL, Right Mayfair Lane Right on Lucille Ct Laton left 6th on left

_____ Number of Existing Dwellings on Property -0-

Construction of Frame - V70 Total Acreage .51 Lot Size .51

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 16'11"

Actual Distance of Structure from Property Lines - Front 27 Side 22' Side 34'41' Rear 87'3"

Number of Stories 1 Heated Floor Area 1949 Total Floor Area 2743 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 - spoke w/ Trent 8.6.08

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

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

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

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

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.

Peter G

Owners Signature

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

Contractor's Signature (Permitee)

Contractor's License Number RR2828 11523
Columbia County
Competency Card Number 000141

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 30th **day of** July **20**08.

Personally known X **or Produced Identification** _____

Elaine K. Tolar

ELAINE K. TOLAR

State of Florida Notary Signature (For the Contractor)

SEAL:

ELAINE K. TOLAR
MY COMMISSION # DD 436381
EXPIRES: October 2, 2009
Bonded Thru Notary Public Underwriters

Inst:200812013721 Date:7/23/2008 Time:11:30 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1155 P:222

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 11-4S-16-02911-326

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 26 May Fair S/D Unit 3
   a) Street *(job)* Address: 252 SW Lucille Court Lake City, Fl. 32024
2. General description of improvements: Construction of Single Family Residence
3. Owner Information
   a) Name and address: Peter W. Giebeig P.O. Box 1384 Lake City, Fla. 32056
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property Fee Simple
4. Contractor Information
   a) Name and address: Trent Giebeig Construction, Inc. 697 SE Holly Terrace
   b) Telephone No.: 386-752-0791 Fax No. (Opt.) Lake City, FL. 32025
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: N/A
   b) Phone No. _____
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: N/A
   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(l)(b), Florida Statutes:
   a) Name and address: N/A
   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. Peter W. Giebeig
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Peter W. Giebeig
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 21st day of July, 2008, by:
Elaine K. Tolar as Notary **(type of authority, e.g. officer, trustee, attorney fact) for** Peter W. Giebeig **(name of party on behalf of whom instrument was executed).**

Personally Known X OR Produced Identification ____ Type _____

Notary Signature Elaine K. Tolar Notary Stamp or Seal:

---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.
Peter W. Giebeig
Signature of Natural Person Signing (in line #10 above.)

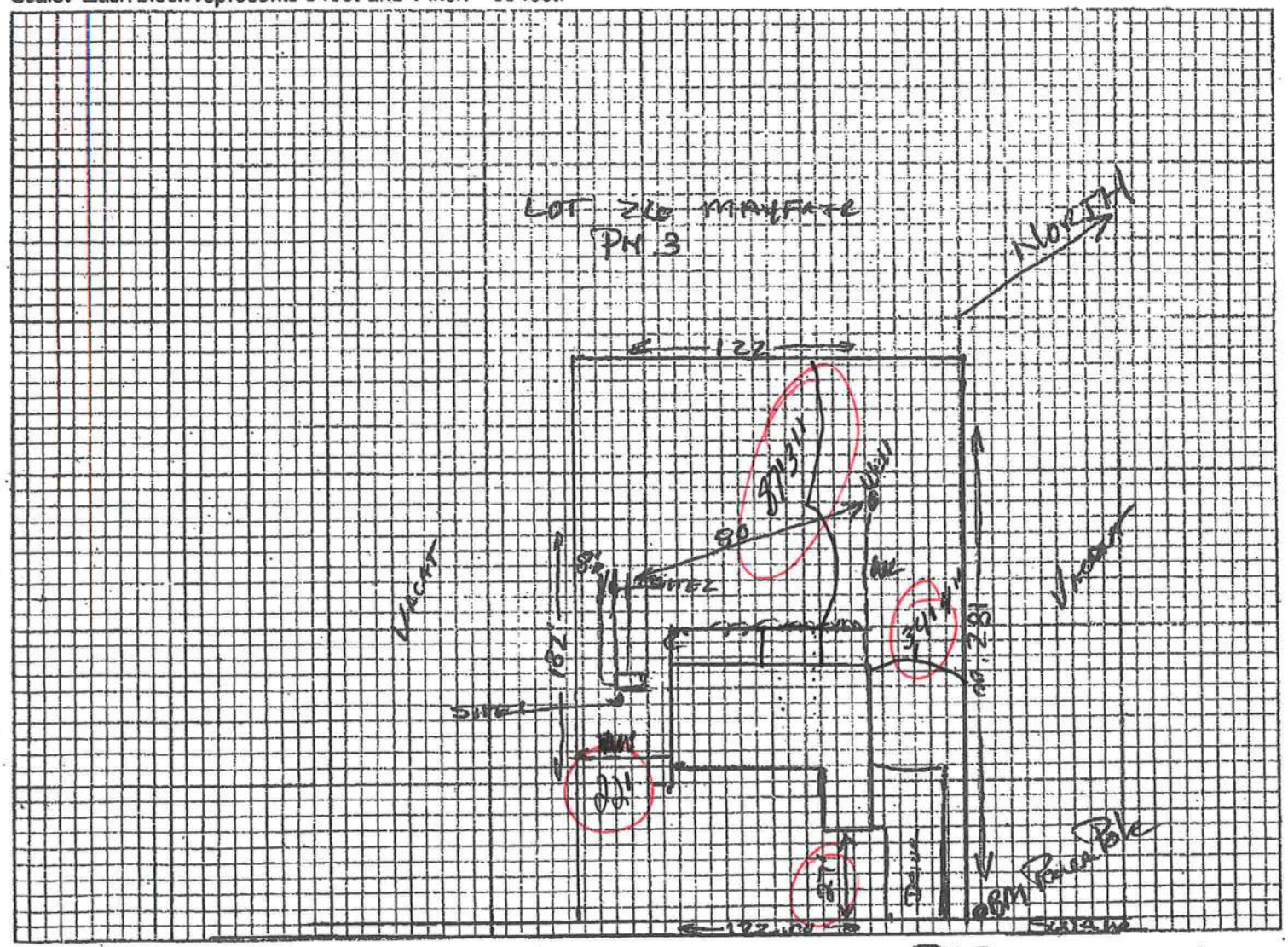
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 08-0324

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: SW Lucille Ct LOT 26 PH3

Concept Const. (Pete Giebeig)

11-4S-16-02911-326

Site Plan submitted by: Robert W. Dodd
Signature

Agent
Title

Plan Approved ✓ Not Approved _____ Date 4-28-08

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001653

DATE 08/06/2008 PARCEL ID # 11-4S-16-02911-326

APPLICANT B. TRENT GIEBEIG PHONE 386.397.0545

ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025

OWNER PETE GIEBEIG PHONE 386.752.0791

ADDRESS 252 SW LUCILLE COURT LAKE CITY FL 32024

CONTRACTOR B.TRENT GIEBIEG PHONE 386.397.0545

LOCATION OF PROPERTY 90-W TO SR. 247-S,TL TO MAYFAIR LN,TR TO LUCILLE CT,TR

LOT IS ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAY-FAIR 26 3

SIGNATURE ✓

INSTALLATION REQUIREMENTS

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

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

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

Water Wells
Pumps & Service

Phone: (386) 752-6677
Fax: (386) 752-1477

Lynch Well Drilling, Inc.
173 SW Young Place
Lake City, FL 32025
www.lynchwelldrilling.com

November 6, 2007

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the above-referenced well:

Size of Pump Motor:	1 Horse Power
Size of Pressure Tank:	81-Gallon Bladder Tank
Cycle Stop Valve Used:	No

Should you require any additional information, please contact us.

Sincerely,

Linda Newcomb

Linda Newcomb
Lynch Well Drilling, Inc.

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW LAKE CITY AVE, LAKE CITY, FL 32055
Phone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

MAY-FAIR UNIT 3 SUBDIVISION ADDRESS ASSIGNMENTS

LOT NUMBER:	ADDRESS:
1	251 SW MAYFAIR LN
2*	279 SW MAYFAIR LN
2*	121 SW VANN CT
3	143 SW VANN CT
4	167 SW VANN CT
5	189 SW VANN CT
6	213 SW VANN CT
7	235 SW VANN CT
8	257 SW VANN CT
9	262 SW VANN CT
10	246 SW VANN CT
11	218 SW VANN CT
12	194 SW VANN CT
13	170 SW VANN CT
14	150 SW VANN CT
15*	122 SW VANN CT
15*	313 SW MAYFAIR LN
16*	335 SW MAYFAIR LN
16*	123 SW LUCILE CT
17	149 SW LUCILE CT
18	171 SW LUCILE CT
19	195 SW LUCILE CT
20	217 SW LUCILE CT
21	241 SW LUCILE CT
22	255 SW LUCILE CT
23	265 SW LUCILE CT
24	258 SW LUCILE CT
25	252 SW LUCILE CT
26	230 SW LUCILE CT
27	206 SW LUCILE CT
28	184 SW LUCILE CT
29	162 SW LUCILE CT
30	138 SW LUCILE CT
31*	116 SW LUCILE CT
31*	377 SW LUCILE CT
32	415 SW MAYFAIR LN
33	457 SW MAYFAIR LN
34	491 SW MAYFAIR LN

LOT NUMBER:	ADDRESS:
35	513 SW MAYFAIR LN
36	535 SW MAYFAIR LN
37	559 SW MAYFAIR LN
38	583 SW MAYFAIR LN
39	597 SW MAYFAIR LN
40	605 SW MAYFAIR LN
41	596 SW MAYFAIR LN
42	576 SW MAYFAIR LN
43	554 SW MAYFAIR LN
44	532 SW MAYFAIR LN
45	510 SW MAYFAIR LN
46	486 SW MAYFAIR LN
47	430 SW MAYFAIR LN
48	402 SW MAYFAIR LN
49	382 SW MAYFAIR LN
50	362 SW MAYFAIR LN
51	336 SW MAYFAIR LN
52	298 SW MAYFAIR LN

Contact the Columbia County Addressing Department with any questions concerning these address assignments.

STREETS ARE:

Lucille

VAN

Attn. Gail

Thanks,

Elaine.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Lot # 26 Mayfair - 4 BR ST JOHNS MODEL**	Builder:	**T. Geibeig**
Address:	**SW Lucille Court**	Permitting Office:	Columbia
City, State:	**Lake City, Fl**	Permit Number:	27246
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	4	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	1949 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 152.0 ft²	a. Electric Heat Pump	Cap: 32.0 kBtu/hr
b. SHGC:			HSPF: 8.50
(or Clear or Tint DEFAULT) 7b.	(Clear) 152.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 232.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 50.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1724.7 ft²		EF: 0.94
b. N/A		b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar	
10. Ceiling types		DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 1949.0 ft²	15. HVAC credits	
b. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan,	
11. Ducts		PT-Programmable Thermostat,	
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 61.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.08

Total as-built points: 23654
Total base points: 29197

PASS

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

PREPARED BY: Debbie A Mote

DATE: 5-13-08

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

OWNER/AGENT: _____

DATE: _____

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

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: **SW Lucille Court, 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	1949.0	18.59	6522.0	1.Double, Clear	S	1.0	6.0	5.0	35.87	0.94	169.0	
				2.Double, Clear	S	1.0	6.0	6.0	35.87	0.94	203.0	
				3.Double, Clear	N	1.0	6.0	6.0	19.20	0.98	112.0	
				4.Double, Clear	W	1.0	6.0	25.0	38.52	0.97	934.0	
				5.Double, Clear	W	1.0	6.0	30.0	38.52	0.97	1121.0	
				6.Double, Clear	E	1.0	6.0	30.0	42.06	0.97	1223.0	
				7.Double, Clear	E	1.0	6.0	20.0	42.06	0.97	815.0	
				8.Double, Clear	E	1.0	6.0	30.0	42.06	0.97	1223.0	
				As-Built Total:				**152.0**			**5800.0**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			13.0	1724.7	1.50		2587.0	
Exterior	1724.7	1.70	2932.0									
Base Total:	**1724.7**		**2932.0**	**As-Built Total:**				**1724.7**			**2587.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				34.0	4.10		139.4	
Exterior	72.3	6.10	440.9	2.Exterior Insulated				38.3	4.10		156.9	
Base Total:	**72.3**		**440.9**	**As-Built Total:**				**72.3**			**296.3**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1949.0	1.73	3371.8	1. Under Attic			30.0	1949.0	1.73 X 1.00		3371.8	
Base Total:	**1949.0**		**3371.8**	**As-Built Total:**				**1949.0**			**3371.8**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	232.0(p)	-37.0	-8584.0	1. Slab-On-Grade Edge Insulation			0.0	232.0(p	-41.20		-9558.4	
Raised	0.0	0.00	0.0									
Base Total:			**-8584.0**	**As-Built Total:**				**232.0**			**-9558.4**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1949.0	10.21	19899.3					1949.0	10.21		19899.3	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Lucille Court, Lake City, Fl,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 24582.0			**Summer As-Built Points:**					**22396.1**
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)					
24582.0	0.3250	7989.1	22396 **22396.1**	1.00 **1.00**	(1.00 x 1.147 x 0.91) **1.044**	0.260 **0.260**	1.000 **1.000**	6077.8 **6077.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Lucille Court, 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	1949.0	20.17	7076.0	1.Double, Clear	S	1.0	6.0	5.0	13.30	1.02	68.0
				2.Double, Clear	S	1.0	6.0	6.0	13.30	1.02	81.0
				3.Double, Clear	N	1.0	6.0	6.0	24.58	1.00	147.0
				4.Double, Clear	W	1.0	6.0	25.0	20.73	1.01	522.0
				5.Double, Clear	W	1.0	6.0	30.0	20.73	1.01	626.0
				6.Double, Clear	E	1.0	6.0	30.0	18.79	1.02	572.0
				7.Double, Clear	E	1.0	6.0	20.0	18.79	1.02	381.0
				8.Double, Clear	E	1.0	6.0	30.0	18.79	1.02	572.0
				As-Built Total:				**152.0**			**2969.0**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0	1724.7	3.40	5864.0
Exterior	1724.7	3.70	6381.4					
Base Total:	**1724.7**		**6381.4**	**As-Built Total:**		**1724.7**		**5864.0**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	34.0	8.40	285.6
Exterior	72.3	12.30	889.0	2.Exterior Insulated	38.3	8.40	321.6
Base Total:	**72.3**		**889.0**	**As-Built Total:**	**72.3**		**607.2**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1949.0	2.05	3995.4	1. Under Attic	30.0	1949.0	2.05 X	1.00	3995.4
Base Total:	**1949.0**		**3995.4**	**As-Built Total:**		**1949.0**			**3995.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	232.0(p)	8.9	2064.8	1. Slab-On-Grade Edge Insulation	0.0	232.0(p	18.80	4361.6
Raised	0.0	0.00	0.0					
Base Total:			**2064.8**	**As-Built Total:**		**232.0**		**4361.6**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1949.0	-0.59	-1149.9		1949.0	-0.59	-1149.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Lucille Court, Lake City, Fl,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**19256.8**	**Winter As-Built Points:**					**16647.3**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 32000 btuh ,EFF(8.5) Ducts:Con(S),Con(R),Int(AH),R6.0					
			16647.3	1.000	(1.000 x 1.169 x 0.93)	0.401	1.000	7260.7
19256.8	**0.5540**	**10668.3**	**16647.3**	**1.00**	**1.087**	**0.401**	**1.000**	**7260.7**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Lucille Court, 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	
4		2635.00	10540.0	50.0	0.94	4	1.00	2578.94	1.00	10315.7	
				As-Built Total:							**10315.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
7989	**10668**	**10540**	**29197**	**6078**	**7261**	**10316**	**23654**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Lucille Court, 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* = 87.8

The higher the score, the more efficient the home.

, SW Lucille Court, Lake City, Fl,

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	4		b.	N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	1949 ft²		c.	N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 152.0 ft²		a.	Electric Heat Pump	Cap: 32.0 kBtu/hr
b.	SHGC:					HSPF: 8.50
	(or Clear or Tint DEFAULT)	7b. (Clear) 152.0 ft²		b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=0.0, 232.0(p) ft		c.	N/A	
b.	N/A					
c.	N/A			14.	Hot water systems	
9.	Wall types			a.	Electric Resistance	Cap: 50.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 1724.7 ft²				EF: 0.94
b.	N/A			b.	N/A	
c.	N/A					
d.	N/A			c.	Conservation credits	
e.	N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 1949.0 ft²		15.	HVAC credits	
b.	N/A				(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
a.	Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 61.0 ft			MZ-C-Multizone cooling,	
b.	N/A				MZ-H-Multizone heating)	

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:	Lot # 26 Mayfair - 4 BR ST J	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	(blank)	**New/Existing:**	New	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	4	**Subdivision:**	N/A
Builder Name:	T. Geibeig	**Conditioned Area:**	1949	**Platbook:**	N/A
Climate:	North	**Total Stories:**	1	**Street:**	SW Lucille Court
Permit Office:	(blank)	**Worst Case:**	Yes	**County:**	(blank)
Jurisdiction #:	(blank)	**Rotate Angle:**	180	**City, St, Zip:**	Lake City, Fl,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	232.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Insulated	Exterior	34.0 ft²	1
2	Insulated	Exterior	38.3 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	30.0	1949.0 ft²	1949.0 ft²	1

Credit Multipliers: None

COOLING

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

Credit Multipliers: None

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Frame - Wood	Exterior	13.0	1724.7 ft²	1

HEATING

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

Credit Multipliers: None

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Double	Clear	N	5.0 ft²	1.0 ft	6.0 ft	1
2	Double	Clear	N	6.0 ft²	1.0 ft	6.0 ft	1
3	Double	Clear	S	6.0 ft²	1.0 ft	6.0 ft	1
4	Double	Clear	E	25.0 ft²	1.0 ft	6.0 ft	1
5	Double	Clear	E	15.0 ft²	1.0 ft	6.0 ft	2
6	Double	Clear	W	15.0 ft²	1.0 ft	6.0 ft	2
7	Double	Clear	W	20.0 ft²	1.0 ft	6.0 ft	1
8	Double	Clear	W	30.0 ft²	1.0 ft	6.0 ft	1

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
1	Cond.	Cond.	Interior	6.0	61.0 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:	1949.0	**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

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

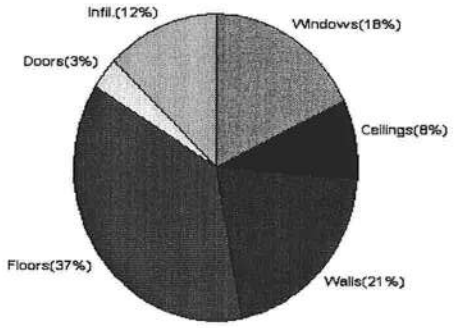
5/13/2008

Location for weather data: Orlando - Defaults: Latitude(28) Altitude(100 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(46gr.)					
Winter design temperature	42	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	28	F	Summer temperature difference	18	F
Total heating load calculation	**20654**	**Btuh**	**Total cooling load calculation**	**19392**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	154.9	32000	Sensible (SHR = 0.75)	135.6	24000
Heat Pump + Auxiliary(0.0kW)	154.9	32000	Latent	471.6	8000
			Total (Electric Heat Pump)	165.0	32000

WINTER CALCULATIONS

Winter Heating Load (for 1949 sqft)

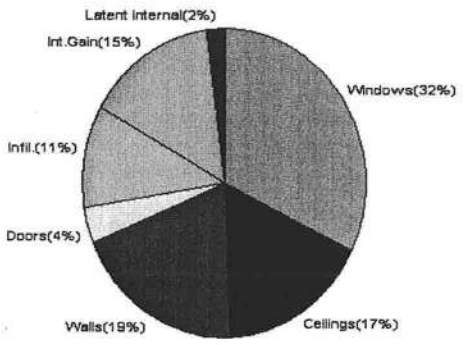
Load component			Load	
Window total	152	sqft	3703	Btuh
Wall total	1725	sqft	4286	Btuh
Door total	72	sqft	708	Btuh
Ceiling total	1949	sqft	1738	Btuh
Floor total	232	sqft	7665	Btuh
Infiltration	83	cfm	2553	Btuh
Duct loss			0	Btuh
Subtotal			**20654**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**20654**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1949 sqft)

Load component			Load	
Window total	152	sqft	6241	Btuh
Wall total	1725	sqft	3750	Btuh
Door total	72	sqft	734	Btuh
Ceiling total	1949	sqft	3290	Btuh
Floor total			0	Btuh
Infiltration	42	cfm	821	Btuh
Internal gain			2860	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**17696**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			1297	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			400	Btuh
Total latent gain			**1697**	**Btuh**
TOTAL HEAT GAIN			**19392**	**Btuh**



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Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Delilah A Meeks
DATE: 5-13-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

Reference City: Orlando (Defaults) Winter Temperature Difference: 28.0 F

5/13/2008

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	5.0	24.4	122 Btuh
2	2, Clear, Metal, 0.87	NW	6.0	24.4	146 Btuh
3	2, Clear, Metal, 0.87	SE	6.0	24.4	146 Btuh
4	2, Clear, Metal, 0.87	NE	25.0	24.4	609 Btuh
5	2, Clear, Metal, 0.87	NE	30.0	24.4	731 Btuh
6	2, Clear, Metal, 0.87	SW	30.0	24.4	731 Btuh
7	2, Clear, Metal, 0.87	SW	20.0	24.4	487 Btuh
8	2, Clear, Metal, 0.87	SW	30.0	24.4	731 Btuh
	Window Total		152(sqft)		3703 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1725	2.5	4286 Btuh
	Wall Total		1725		4286 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		38	9.8	375 Btuh
2	Insulated - Exterior		34	9.8	333 Btuh
	Door Total		72		708Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1949	0.9	1738 Btuh
	Ceiling Total		1949		1738Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	232.0 ft(p)	33.0	7665 Btuh
	Floor Total		232		7665 Btuh
			Envelope Subtotal:		18101 Btuh

Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	15592	1725	83.2	2553 Btuh
Ductload				(DLM of 0.000)		0 Btuh
All Zones			**Sensible Subtotal All Zones**			**20654 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	20654 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	20654 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

5/13/2008

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)

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System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

Reference City: Orlando (Defaults) Winter Temperature Difference: 28.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/13/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	5.0	24.4	122 Btuh
2	2, Clear, Metal, 0.87	NW	6.0	24.4	146 Btuh
3	2, Clear, Metal, 0.87	SE	6.0	24.4	146 Btuh
4	2, Clear, Metal, 0.87	NE	25.0	24.4	609 Btuh
5	2, Clear, Metal, 0.87	NE	30.0	24.4	731 Btuh
6	2, Clear, Metal, 0.87	SW	30.0	24.4	731 Btuh
7	2, Clear, Metal, 0.87	SW	20.0	24.4	487 Btuh
8	2, Clear, Metal, 0.87	SW	30.0	24.4	731 Btuh
	Window Total		152(sqft)		3703 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1725	2.5	4286 Btuh
	Wall Total		1725		4286 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		38	9.8	375 Btuh
2	Insulated - Exterior		34	9.8	333 Btuh
	Door Total		72		708Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1949	0.9	1738 Btuh
	Ceiling Total		1949		1738Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	232.0 ft(p)	33.0	7665 Btuh
	Floor Total		232		7665 Btuh
			Zone Envelope Subtotal:		18101 Btuh

Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	15592	1725	83.2	2553 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)(DLM of 0.000)					0 Btuh
Zone #1	**Sensible Zone Subtotal**					**20654 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

5/13/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	20654 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	20654 Btuh

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

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

Reference City: Orlando (Defaults) Summer Temperature Difference: 18.0 F

5/13/2008

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, B-D, N,F	NW	1ft.	6ft.	5.0	0.0	5.0	19	42	208 Btuh
2	2, Clear, 0.87, B-D, N,F	NW	1ft.	6ft.	6.0	0.0	6.0	19	42	250 Btuh
3	2, Clear, 0.87, B-D, N,F	SE	1ft.	6ft.	6.0	0.0	6.0	19	44	264 Btuh
4	2, Clear, 0.87, B-D, N,F	NE	1ft.	6ft.	25.0	0.0	25.0	19	42	1042 Btuh
5	2, Clear, 0.87, B-D, N,F	NE	1ft.	6ft.	30.0	0.0	30.0	19	42	1251 Btuh
6	2, Clear, 0.87, B-D, N,F	SW	1ft.	6ft.	30.0	4.4	25.6	19	44	1210 Btuh
7	2, Clear, 0.87, B-D, N,F	SW	1ft.	6ft.	20.0	2.9	17.1	19	44	807 Btuh
8	2, Clear, 0.87, B-D, N,F	SW	1ft.	6ft.	30.0	4.4	25.6	19	44	1210 Btuh
	Window Total				152 (sqft)					6241 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1724.7	2.2	3750 Btuh
	Wall Total		1725 (sqft)		3750 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		38.3	10.1	389 Btuh
2	Insulated - Exterior		34.0	10.1	345 Btuh
	Door Total		72 (sqft)		734 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1949.0	1.7	3290 Btuh
	Ceiling Total		1949 (sqft)		3290 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	232 (ft(p))	0.0	0 Btuh
	Floor Total		232.0 (sqft)		0 Btuh
			Envelope Subtotal:		14015 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.16	15592	1725	83.2	821 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		2	X 230	+	2400	2860 Btuh
				Sensible Envelope Load:		17696 Btuh
Duct load				(DGM of 0.000)		0 Btuh
				Sensible Load All Zones		**17696 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

5/13/2008

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**17696 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**17696 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**17696 Btuh**
Totals for Cooling	Latent infiltration gain (for 46 gr. humidity difference)	1297 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	**1697 Btuh**
	TOTAL GAIN	**19392 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

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

Reference City: Orlando (Defaults) Summer Temperature Difference: 18.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/13/2008

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	NW	1ft.	6ft.	5.0	0.0	5.0	19	42	208 Btuh
2	2, Clear, 0.87, B-D, N,F	NW	1ft.	6ft.	6.0	0.0	6.0	19	42	250 Btuh
3	2, Clear, 0.87, B-D, N,F	SE	1ft.	6ft.	6.0	0.0	6.0	19	44	264 Btuh
4	2, Clear, 0.87, B-D, N,F	NE	1ft.	6ft.	25.0	0.0	25.0	19	42	1042 Btuh
5	2, Clear, 0.87, B-D, N,F	NE	1ft.	6ft.	30.0	0.0	30.0	19	42	1251 Btuh
6	2, Clear, 0.87, B-D, N,F	SW	1ft.	6ft.	30.0	4.4	25.6	19	44	1210 Btuh
7	2, Clear, 0.87, B-D, N,F	SW	1ft.	6ft.	20.0	2.9	17.1	19	44	807 Btuh
8	2, Clear, 0.87, B-D, N,F	SW	1ft.	6ft.	30.0	4.4	25.6	19	44	1210 Btuh
	Window Total				152 (sqft)					6241 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		1724.7			2.2		3750 Btuh
	Wall Total				1725 (sqft)					3750 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Exterior				38.3			10.1		389 Btuh
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	Door Total				72 (sqft)					734 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		1949.0			1.7		3290 Btuh
	Ceiling Total				1949 (sqft)					3290 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		232 (ft(p))			0.0		0 Btuh
	Floor Total				232.0 (sqft)					0 Btuh
							Zone Envelope Subtotal:			14015 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)		CFM=	Load
	SensibleNatural		0.16		15592		1725		41.6	821 Btuh
Internal gain			Occupants		Btuh/occupant				Appliance	Load
			2		X 230		+		2400	2860 Btuh
							Sensible Envelope Load:			17696 Btuh
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)								(DGM of 0.000)	0 Btuh
							Sensible Zone Load			**17696 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

5/13/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**17696 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**17696 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**17696 Btuh**
	Latent infiltration gain (for 46 gr. humidity difference)	1297 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	**1697 Btuh**
	TOTAL GAIN	**19392 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

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

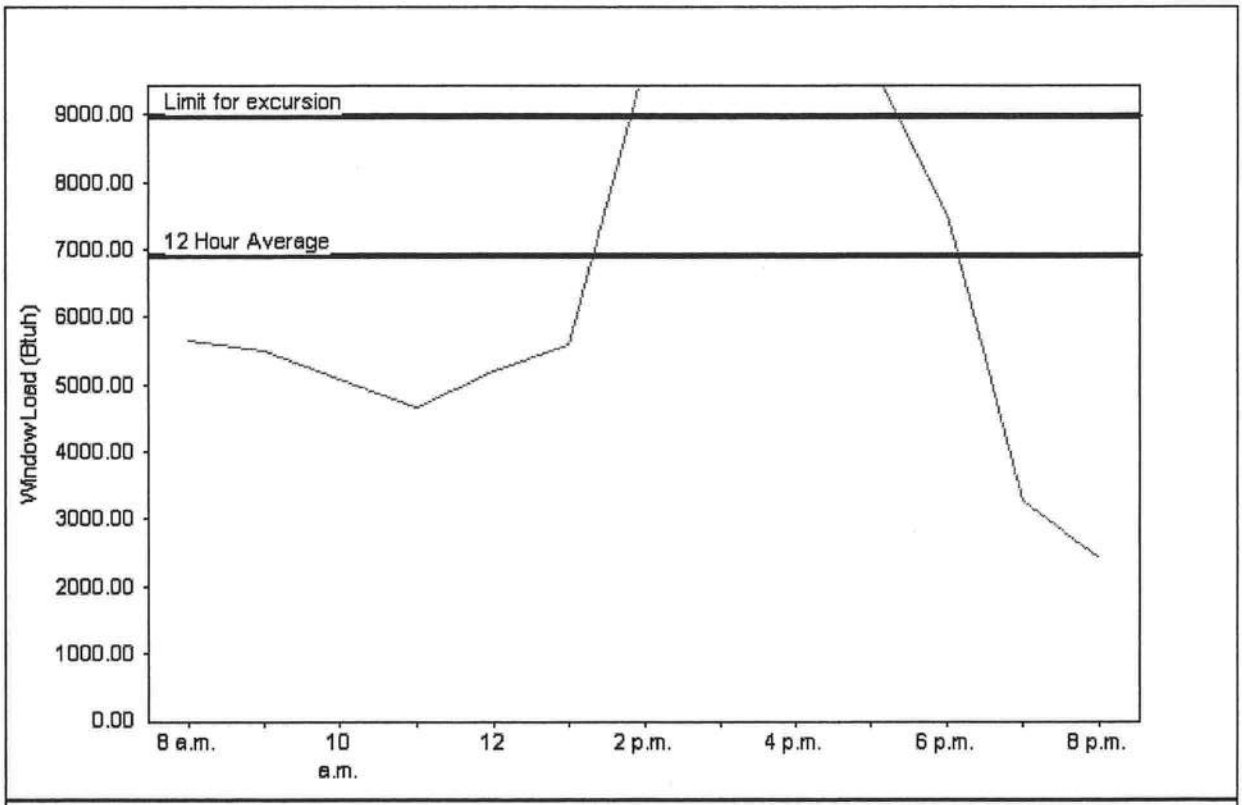
Code Only
Professional Version
Climate: North

5/13/2008

Weather data for: Orlando - Defaults

Summer design temperature	93 F	Average window load for July	6908 Btuh
Summer setpoint	75 F	Peak window load for July	10579 Btu
Summer temperature difference	18 F	Excusion limit(130% of Ave.)	8981 Btuh
Latitude	28 North	Window excursion (July)	1598 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: Debbie A Mobs
DATE: 5-13-08

Summary Energy Code Results

Residential Whole Building Performance Method A

SW Lucille Court
Lake City, Fl

Project Title:
Lot # 26 Mayfair - 4 BR ST JOHNS MODEL

Code Only
Professional Version
Climate: North

5/13/2008

Building Loads			
Base		As-Built	
Summer:	**24582 points**	Summer:	**22396 points**
Winter:	**19257 points**	Winter:	**16647 points**
Hot Water:	**9697 points**	Hot Water:	**9697 points**
Total:	**53536 points**	Total:	**48740 points**

Energy Use			
Base		As-Built	
Cooling:	**7989 points**	Cooling:	**6078 points**
Heating:	**10668 points**	Heating:	**7261 points**
Hot Water:	**10540 points**	Hot Water:	**10316 points**
Total:	**29197 points**	Total:	**23654 points**

PASS
e-Ratio: 0.81

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

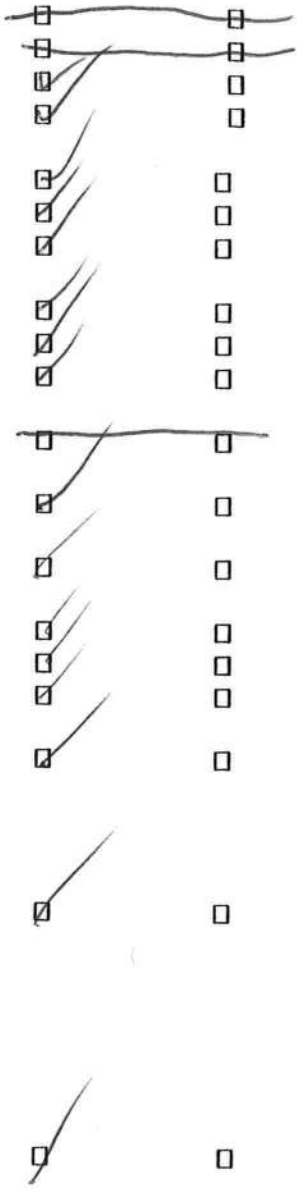
WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. *The following information must be shown as per section 1603.1.4 FBC* a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
☑	☐	**Elevations including:** a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation



d) Location, size and height above roof of chimneys.
e) Location and size of skylights
f) Building height
e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.
b) Shear walls identified.
c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
d) Show safety glazing of glass, where required by code.
e) Identify egress windows in bedrooms, and size.
f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
b) All posts and/or column footing including size and reinforcing
c) Any special support required by soil analysis such as piling
d) Location of any vertical steel.

Roof System:

a) Truss package including:
    1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
    2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:
    1. Rafter size, species and spacing
    2. Attachment to wall and uplift
    3. Ridge beam sized and valley framing and support details
    4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall
    1. All materials making up wall
    2. Block size and mortar type with size and spacing of reinforcement
    3. Lintel, tie-beam sizes and reinforcement
    4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
    5. *All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.*
    6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
    7. Fire resistant construction (if required)
    8. Fireproofing requirements
    9. Shoe type of termite treatment (termiticide or alternative method)
    10. Slab on grade
        a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
        b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
    11. Indicate where pressure treated wood will be placed
    12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
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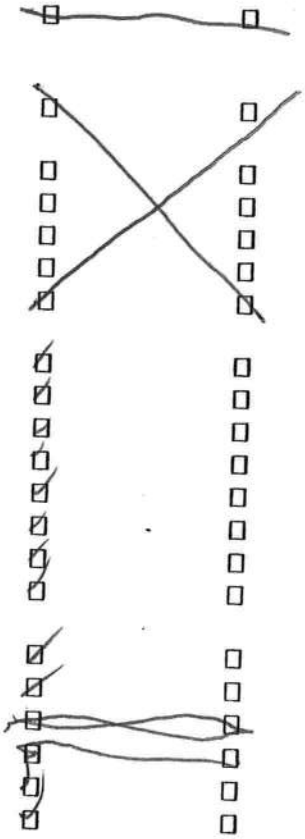
    b. Exterior wall cavity
    c. Crawl space (if applicable)



c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
b) Floor joist size and spacing
c) Girder size and spacing
d) Attachment of joist to girder
e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
b) Ceiling fans
c) Smoke detectors
d) Service panel and sub-panel size and location(s)
e) Meter location with type of service entrance (overhead or underground)
f) Appliances and HVAC equipment
g) Arc Fault Circuits (AFCI) in bedrooms
h) Exhaust fans in bathroom

HVAC information

a) Energy Calculations (dimensions shall match plans)
b) Manual J sizing equipment or equivalent computation
c) Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

***Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

2. **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.

3. **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)**

4. **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**

5. **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. Development permit cost is **$50.00**

6. **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. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			FL 4242-R7
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS		Jordan Vinyl	FL 1378
A. SINGLE/DOUBLE HUNG			FL 5108
B. HORIZONTAL SLIDER			FL 5451
C. CASEMENT			
D. FIXED			
E. MULLION			FL 5418
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			FL 889-R2
B. SOFFITS			FL 4899
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			FL 586-R2
B. NON-STRUCT METAL			FL 1814-R1
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

Jat Enterprises

APPLICANT SIGNATURE

7-24-08

DATE

R-1305 01-04

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 11-4S-16-02911-326 **Building permit No.** 000027246

Use Classification SFD/UTILITY **Fire:** 70.62

Permit Holder B. TRENT GIEBIEG **Waste:** 184.25

Owner of Building PETE GIEBEIG **Total:** 254.87

Location: 230 SW LUCILLE COURT

Date: 11/04/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

OK dfs 11-4-08 27246

BRITT SURVEYING
830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

Land Surveyors and Mappers

08/28/08

L-19509

To Whom It May Concern:

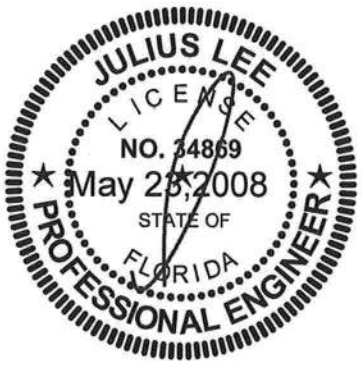
C/o: Trent Giebeig

Re: Lot 26 of Mayfair 3

The elevation of the finished floor is found to be 160.25 feet. The minimum floor elevation is 158.50 feet per the Columbia County Building Department. The highest adjacent grade is 158.1 feet. The lowest adjacent grade is 158.8 feet. The elevations shown hereon are based on NGVD 29 Datum.

L. Scott Britt
PLS #5757

Builders FirstSource



Project Information for: L278345

Builder: GIEBEIG HOMES
Lot : 26
Subdivision: MAYFAIR
County: COLUMBIA
Truss Count: 30
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:

Brian T. Giebeig Florida Registered Residential Contractor License No. RR282811523
Address: Trent Giebeig Construction, Inc. 462 Southwest Fairlington Court Lake City, Florida 32025

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	J1966874	CJ1	5/23/08	29	J1966902	T23	5/23/08
2	J1966875	CJ3	5/23/08	30	J1966903	T24	5/23/08
3	J1966876	CJ5	5/23/08				
4	J1966877	EJ5	5/23/08				
5	J1966878	EJ7	5/23/08				
6	J1966879	HJ7	5/23/08				
7	J1966880	HJ9	5/23/08				
8	J1966881	T01GB	5/23/08				
9	J1966882	T03	5/23/08				
10	J1966883	T04	5/23/08				
11	J1966884	T05	5/23/08				
12	J1966885	T06	5/23/08				
13	J1966886	T07	5/23/08				
14	J1966887	T08	5/23/08				
15	J1966888	T09	5/23/08				
16	J1966889	T10	5/23/08				
17	J1966890	T11	5/23/08				
18	J1966891	T12	5/23/08				
19	J1966892	T13	5/23/08				
20	J1966893	T14	5/23/08				
21	J1966894	T15	5/23/08				
22	J1966895	T16	5/23/08				
23	J1966896	T17	5/23/08				
24	J1966897	T18	5/23/08				
25	J1966898	T19	5/23/08				
26	J1966899	T20	5/23/08				
27	J1966900	T22	5/23/08				
28	J1966901	T22G	5/23/08				

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	CJ1	ROOF TRUSS	14	1	J1966874 Job Reference (optional)

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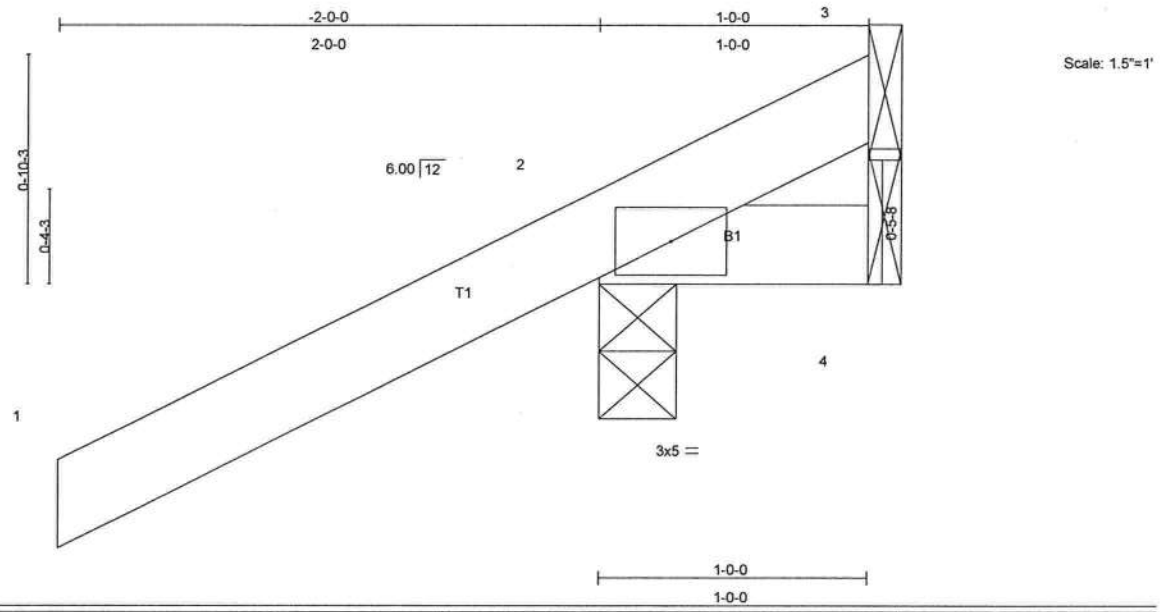

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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=-286(load case 6), 4=-9(load case 4), 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=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	CJ1	ROOF TRUSS	14	1	J1966874 Job Reference (optional)

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	CJ3	ROOF TRUSS	14	1	J1966875
					Job Reference (optional)

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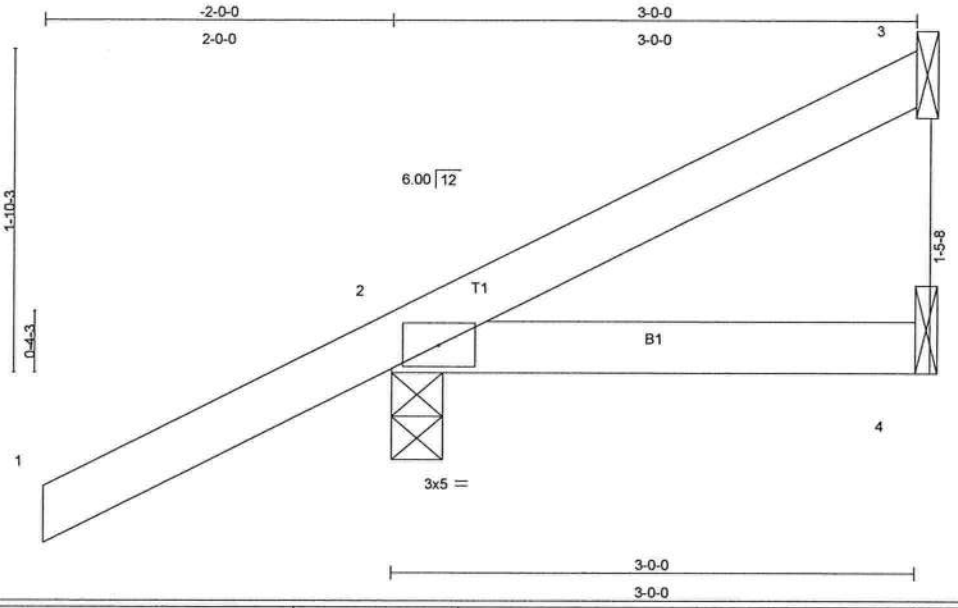

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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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Builders FirstSource

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	CJ5	ROOF TRUSS	10	1	J1966876 Job Reference (optional)

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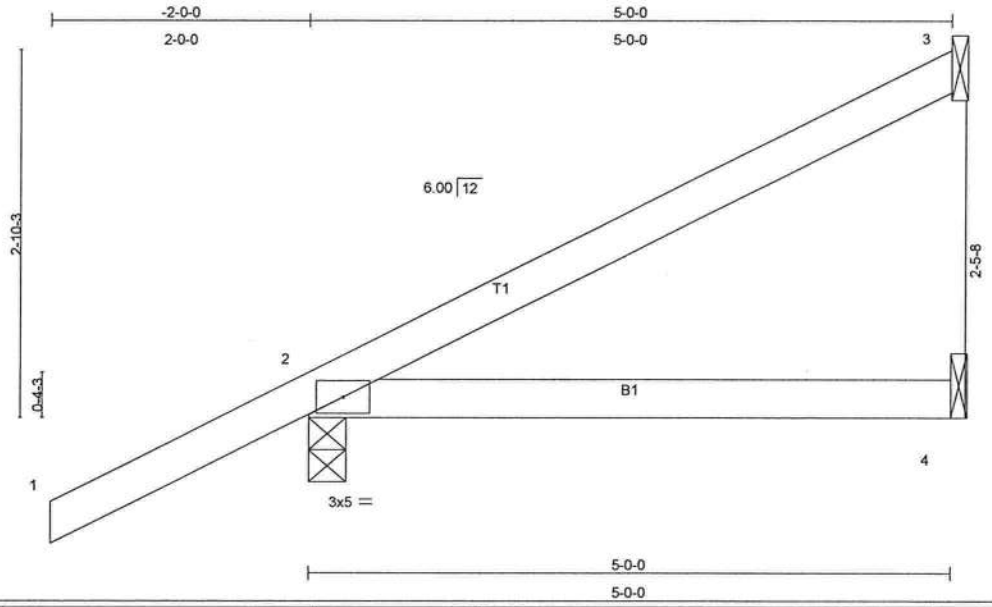

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	2-4	>663	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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.

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
					J1966876
L278345	CJ5	ROOF TRUSS	10	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	EJ5	ROOF TRUSS	7	1	J1966877 Job Reference (optional)

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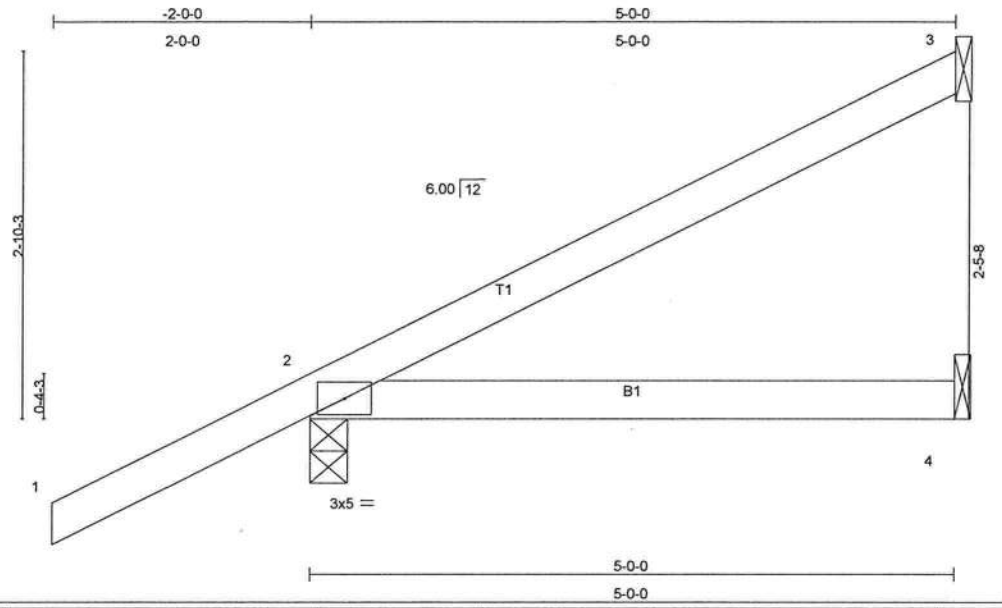

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	2-4	>663	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *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.

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
					J1966877
L278345	EJ5	ROOF TRUSS	7	1	Job Reference (optional)

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	EJ7	MONO TRUSS	25	1	J1966878
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri May 23 08:42:17 2008 Page 1

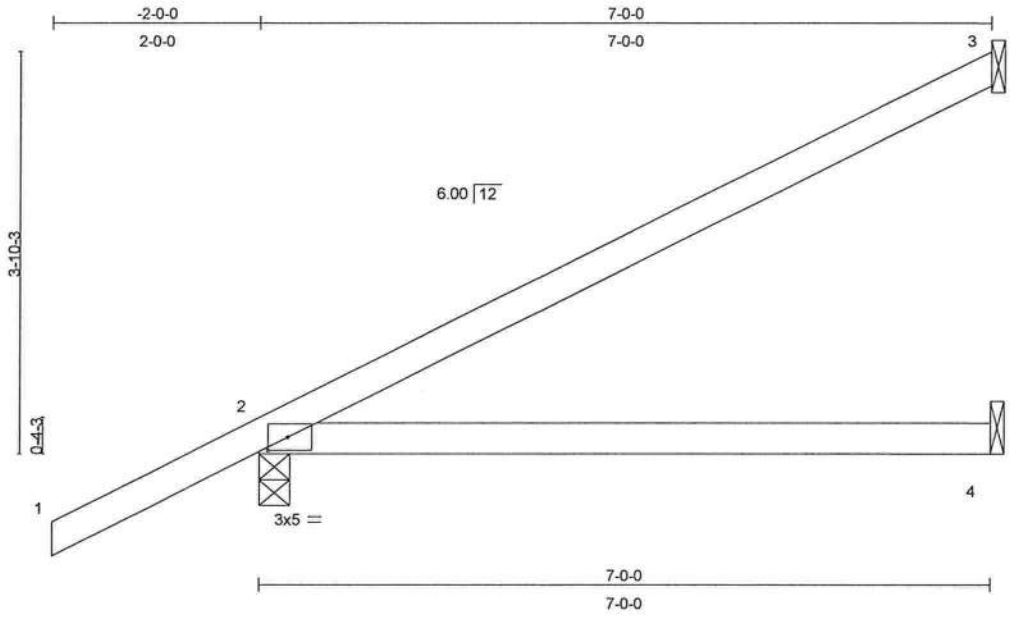

Plate Offsets (X,Y): [2:0-2-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0.33	2-4	>250	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	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=-94(load case 6), 2=-224(load case 6), 4=-65(load case 5)
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=-131/54
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.68

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966878
L278345	EJ7	MONO TRUSS	25	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 3, 224 lb uplift at joint 2 and 65 lb uplift at joint 4.

LOAD CASE(S) Standard

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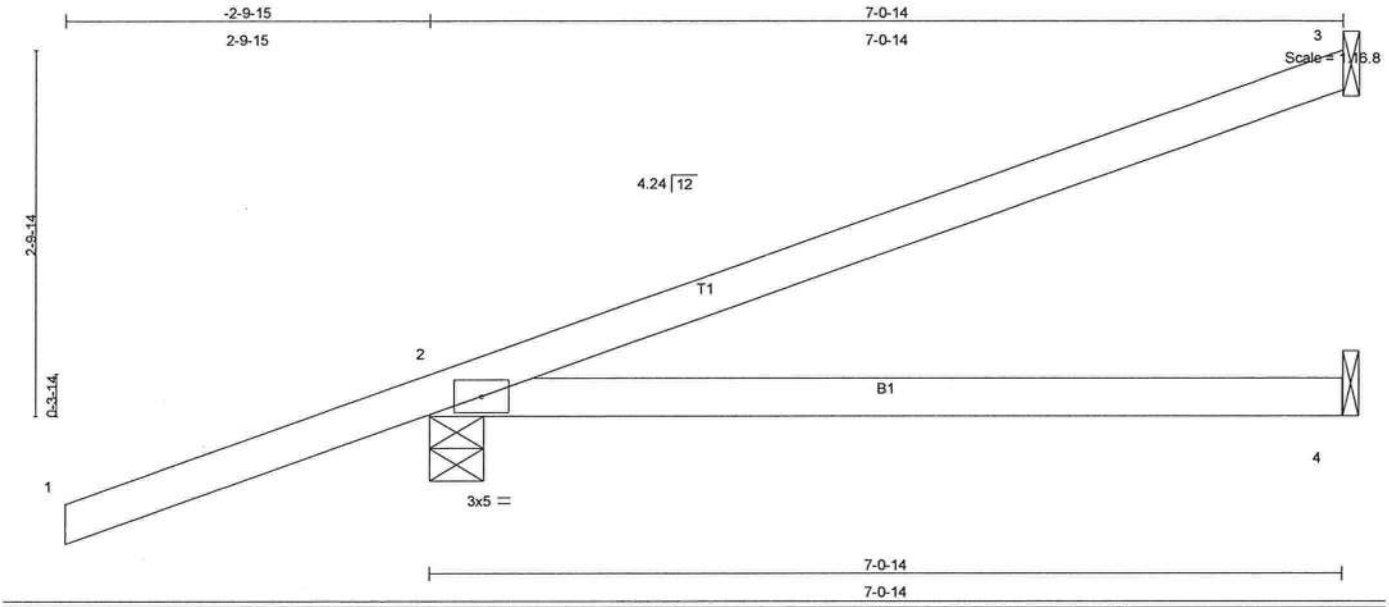
May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	HJ7	ROOF TRUSS	2	1	J1966879 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 22 16:21:49 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	0.53	Vert(LL)	-0.08	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.14	2-4	>596	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: 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 7-0-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=185/Mechanical, 2=335/0-4-15, 4=38/Mechanical
Max Horz 2=167(load case 3)
Max Uplift 3=-145(load case 3), 2=-248(load case 3)
Max Grav 3=185(load case 1), 2=335(load case 1), 4=97(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-68/43
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.54

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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 145 lb uplift at joint 3 and 248 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).

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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=26, B=26)-to-3=-95(F=-21, B=-21), 2=-0(F=5, B=5)-to-4=-18(F=-4, B=-4)

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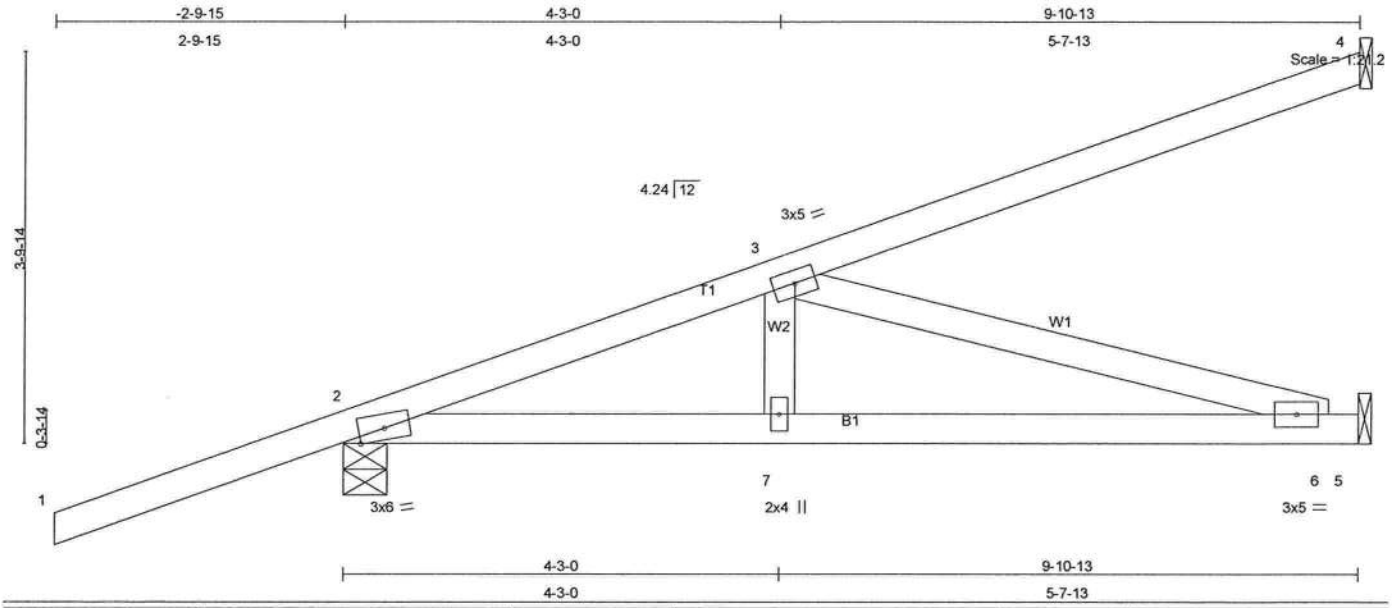
Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	HJ9	ROOF TRUSS	5	1	J1966880
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 22 16:21:49 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	0.60	Vert(LL)	0.09	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.11	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.36	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 7-11-7 oc bracing.

REACTIONS (lb/size) 4=267/Mechanical, 2=453/0-4-15, 5=220/Mechanical
Max Horz 2=269(load case 3)
Max Uplift 4=-233(load case 3), 2=-399(load case 3), 5=-183(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-650/365, 3-4=-105/65
BOT CHORD 2-7=-538/603, 6-7=-538/603, 5-6=0/0
WEBS 3-7=-89/186, 3-6=-627/559

JOINT STRESS INDEX
2 = 0.76, 3 = 0.25, 6 = 0.21 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 399 lb uplift at joint 2 and 183 lb uplift at joint 5.

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NOTES

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

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54
   Trapezoidal Loads (plf)
   Vert: 2=-3(F=26, B=26)-to-4=-134(F=-40, B=-40), 2=-0(F=5, B=5)-to-5=-25(F=-7, B=-7)

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T01GB	GABLE	1	1	J1966881
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 22 16:21:51 2008 Page 1

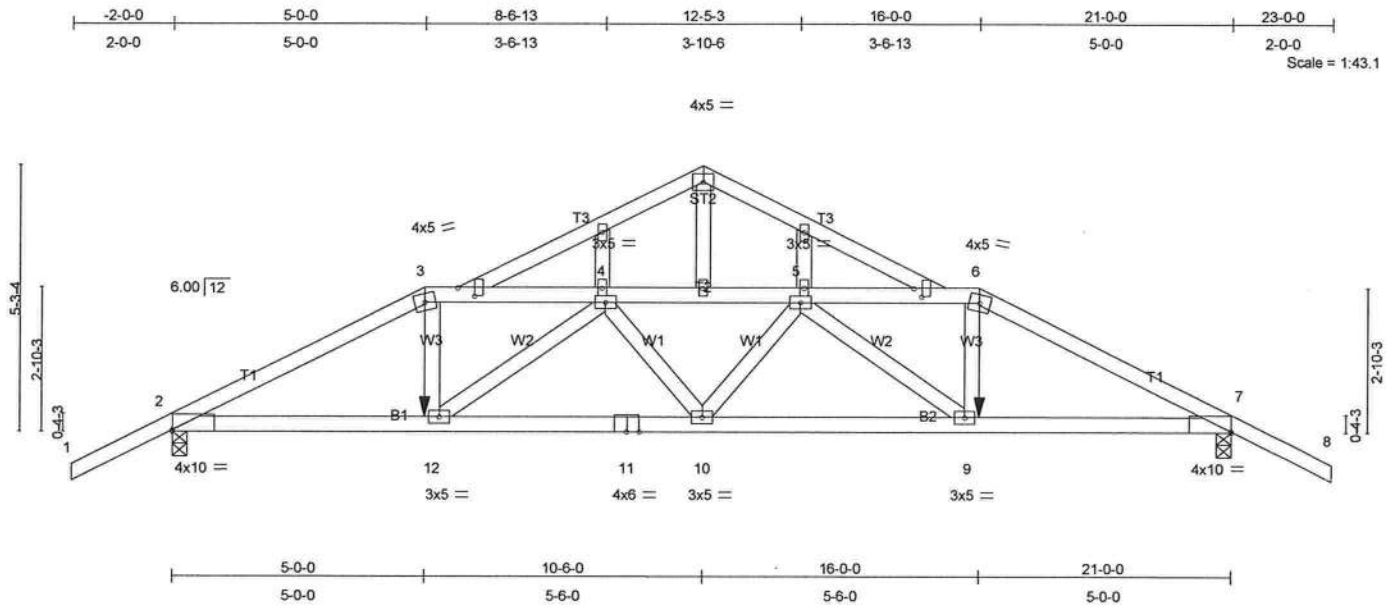

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [7:0-0-0,0-0-4], [13:0-2-0,0-3-15], [15:0-2-0,0-1-15]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	0.18	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.29	10-12	>870	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 121 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-8-9 oc purlins. Except: 2 Rows at 1/3 pts 3-6
BOT CHORD	Rigid ceiling directly applied or 4-10-10 oc bracing.

REACTIONS (lb/size) 2=1533/0-3-8, 7=1533/0-3-8
Max Horz 2=73(load case 5)
Max Uplift 2=-818(load case 5), 7=-818(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2764/1397, 3-4=-2445/1291, 4-5=-3308/1725, 5-6=-2445/1291, 6-7=-2764/1397, 7-8=0/47
BOT CHORD	2-12=-1201/2395, 11-12=-1686/3271, 10-11=-1686/3271, 9-10=-1671/3271, 7-9=-1174/2394
WEBS	3-12=-450/899, 4-12=-1088/638, 4-10=0/127, 5-10=0/127, 5-9=-1088/638, 6-9=-450/899

JOINT STRESS INDEX

2 = 0.68, 3 = 0.77, 4 = 0.40, 4 = 0.33, 5 = 0.40, 5 = 0.33, 6 = 0.77, 7 = 0.68, 9 = 0.66, 10 = 0.40, 11 = 0.94, 12 = 0.66, 13 = 0.33, 14 = 0.24, 15 = 0.33, 16 = 0.33, 17 = 0.33 and 18 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966881
L278345	T01GB	GABLE	1	1	Job Reference (optional)

NOTES

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 818 lb uplift at joint 2 and 818 lb uplift at joint 7.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-6=-151(F=-97), 6-8=-54, 2-12=-10, 9-12=-17(F=-7), 7-9=-10
   Concentrated Loads (lb)
   Vert: 12=-187(F) 9=-187(F)

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966882
L278345	T03	ROOF TRUSS	8	1	Job Reference (optional)

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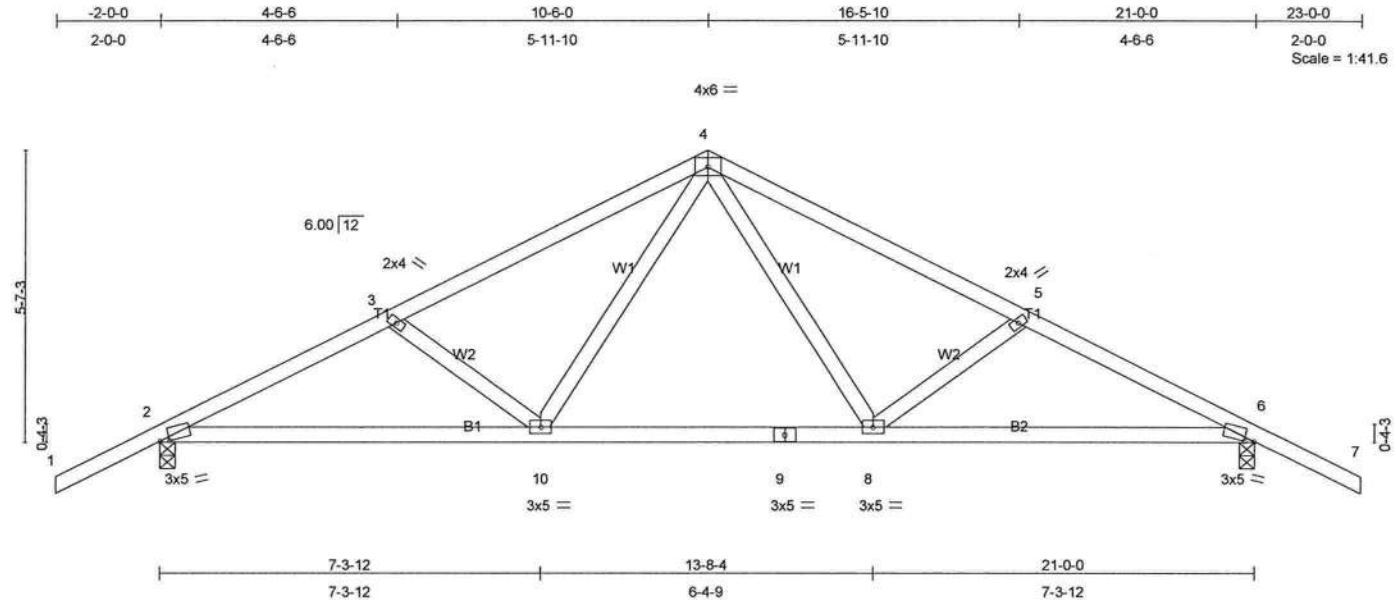

Plate Offsets (X,Y): [2:0-2-4,0-0-7], [6:0-2-4,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.19	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.28	8-10	>877	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.16	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 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 4-10-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-10-3 oc bracing.

REACTIONS (lb/size) 2=970/0-3-8, 6=970/0-3-8
Max Horz 2=-98(load case 7)
Max Uplift 2=-293(load case 6), 6=-293(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-1598/872, 3-4=-1396/799, 4-5=-1396/799, 5-6=-1598/872, 6-7=0/47
BOT CHORD	2-10=-620/1364, 9-10=-318/941, 8-9=-318/941, 6-8=-620/1364
WEBS	3-10=-248/224, 4-10=-242/498, 4-8=-242/498, 5-8=-248/224

JOINT STRESS INDEX

2 = 0.79, 3 = 0.33, 4 = 0.83, 5 = 0.33, 6 = 0.79, 8 = 0.42, 9 = 0.69 and 10 = 0.42

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966882
L278345	T03	ROOF TRUSS	8	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 2 and 293 lb uplift at joint 6.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 2-10=-10, 8-10=-70(F=-60), 6-8=-10

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966883
L278345	T04	ROOF TRUSS	1	1	Job Reference (optional)

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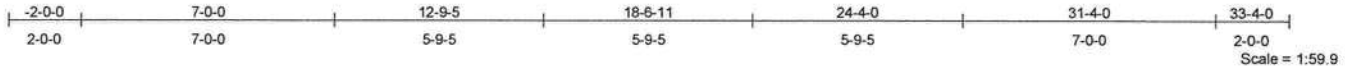

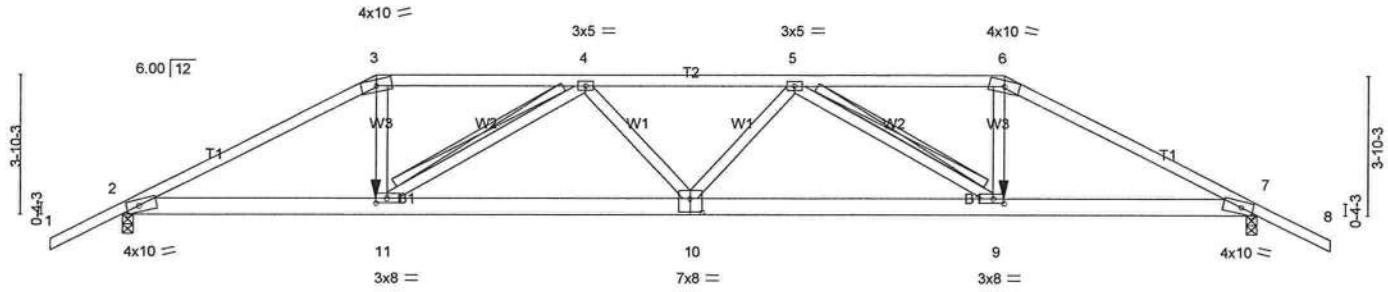

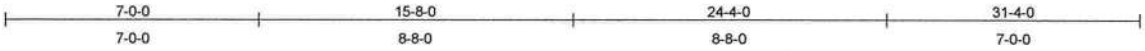

Plate Offsets (X,Y): [2:0-4-0,Edge], [7:0-4-0,Edge], [9:0-3-8,0-1-8], [10:0-4-0,0-4-8], [11:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.29	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.55	9-10	>674	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.45	Horz(TL)	0.13	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 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 2-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-8 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-11, 5-9
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=2171/0-3-8, 7=2171/0-3-8
Max Horz 2=-79(load case 6)
Max Uplift 2=-683(load case 5), 7=-683(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-4189/1339, 3-4=-3726/1244, 4-5=-5084/1652, 5-6=-3726/1244, 6-7=-4189/1339, 7-8=0/51
BOT CHORD 2-11=-1162/3670, 10-11=-1643/5000, 9-10=-1623/5000, 7-9=-1131/3670
WEBS 3-11=-391/1356, 4-11=-1590/619, 4-10=0/243, 5-10=0/243, 5-9=-1590/619, 6-9=-391/1356

JOINT STRESS INDEX
2 = 0.79, 3 = 0.83, 4 = 0.52, 5 = 0.52, 6 = 0.83, 7 = 0.79, 9 = 0.85, 10 = 0.79 and 11 = 0.85

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T04	ROOF TRUSS	1	1	J1966883 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=13ft; 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
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 683 lb uplift at joint 2 and 683 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	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T05	ROOF TRUSS	1	1	J1966884
					Job Reference (optional)

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Scale = 1:59.9

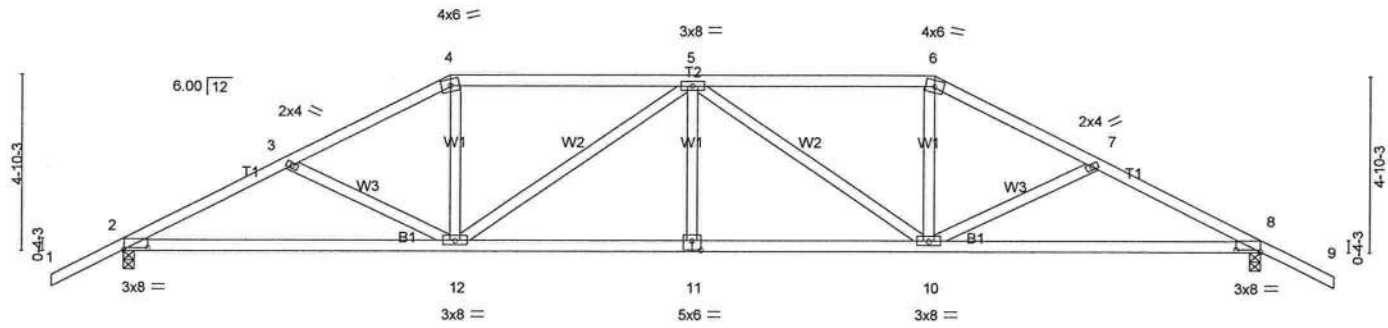

Plate Offsets (X,Y): [2:0-8-0,0-0-10], [8:0-8-0,0-0-10], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.15	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.29	8-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 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 4-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-3 oc bracing.

REACTIONS (lb/size) 2=1109/0-3-8, 8=1109/0-3-8
Max Horz 2=89(load case 6)
Max Uplift 2=-271(load case 6), 8=-271(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1832/959, 3-4=-1607/860, 4-5=-1410/832, 5-6=-1410/832, 6-7=-1607/860, 7-8=-1832/959, 8-9=0/47
BOT CHORD 2-12=-690/1571, 11-12=-690/1715, 10-11=-690/1715, 8-10=-690/1571
WEBS 3-12=-198/193, 4-12=-142/418, 5-12=-465/206, 5-11=0/158, 5-10=-465/206, 6-10=-142/418, 7-10=-198/193

JOINT STRESS INDEX
2 = 0.65, 3 = 0.33, 4 = 0.68, 5 = 0.56, 6 = 0.68, 7 = 0.33, 8 = 0.65, 10 = 0.56, 11 = 0.40 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=13ft; 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	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966884
L278345	T05	ROOF TRUSS	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 271 lb uplift at joint 2 and 271 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T06	ROOF TRUSS	1	1	J1966885
					Job Reference (optional)

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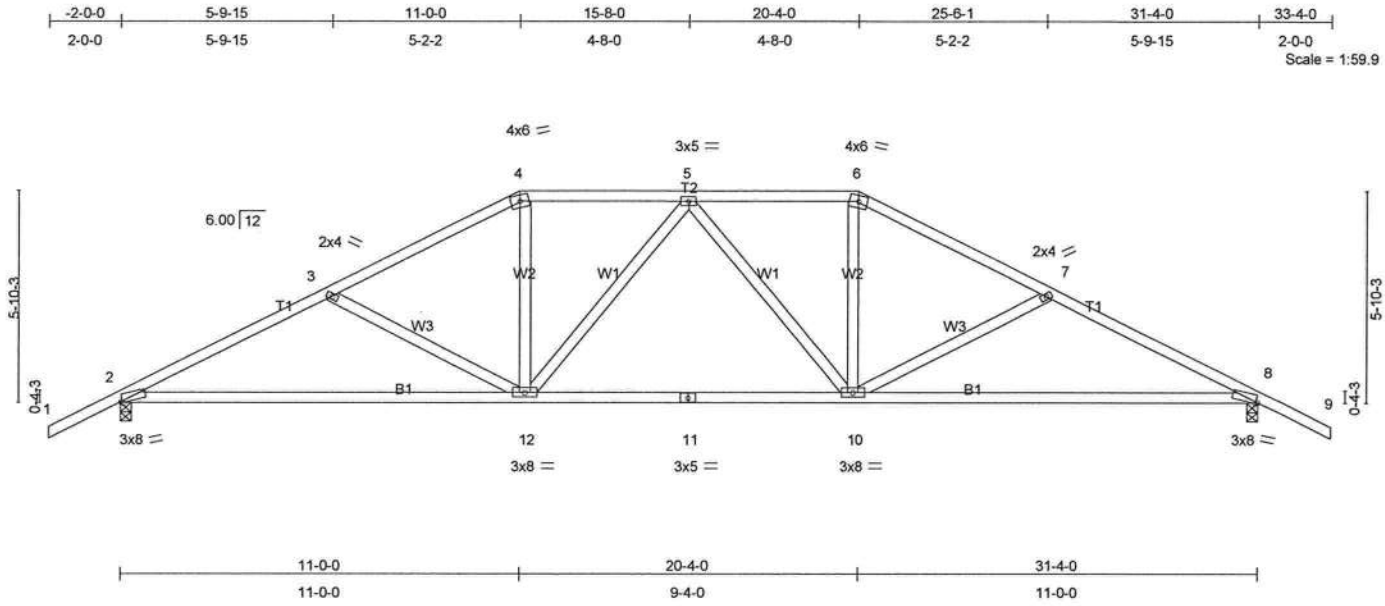

Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.31	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.57	8-10	>654	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 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 4-6-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-2 oc bracing.

REACTIONS (lb/size) 2=1109/0-3-8, 8=1109/0-3-8
Max Horz 2=-101(load case 7)
Max Uplift 2=-285(load case 6), 8=-285(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1806/974, 3-4=-1490/827, 4-5=-1282/803, 5-6=-1282/803, 6-7=-1490/827, 7-8=-1806/974, 8-9=0/47
BOT CHORD 2-12=-694/1546, 11-12=-502/1376, 10-11=-502/1376, 8-10=-694/1546
WEBS 3-12=-314/289, 4-12=-144/397, 5-12=-263/116, 5-10=-263/116, 6-10=-144/397, 7-10=-314/289

JOINT STRESS INDEX
2 = 0.89, 3 = 0.33, 4 = 0.61, 5 = 0.40, 6 = 0.61, 7 = 0.33, 8 = 0.89, 10 = 0.56, 11 = 0.48 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=13ft; 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	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966885
L278345	T06	ROOF TRUSS	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 285 lb uplift at joint 2 and 285 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966886
L278345	T07	ROOF TRUSS	1	1	Job Reference (optional)

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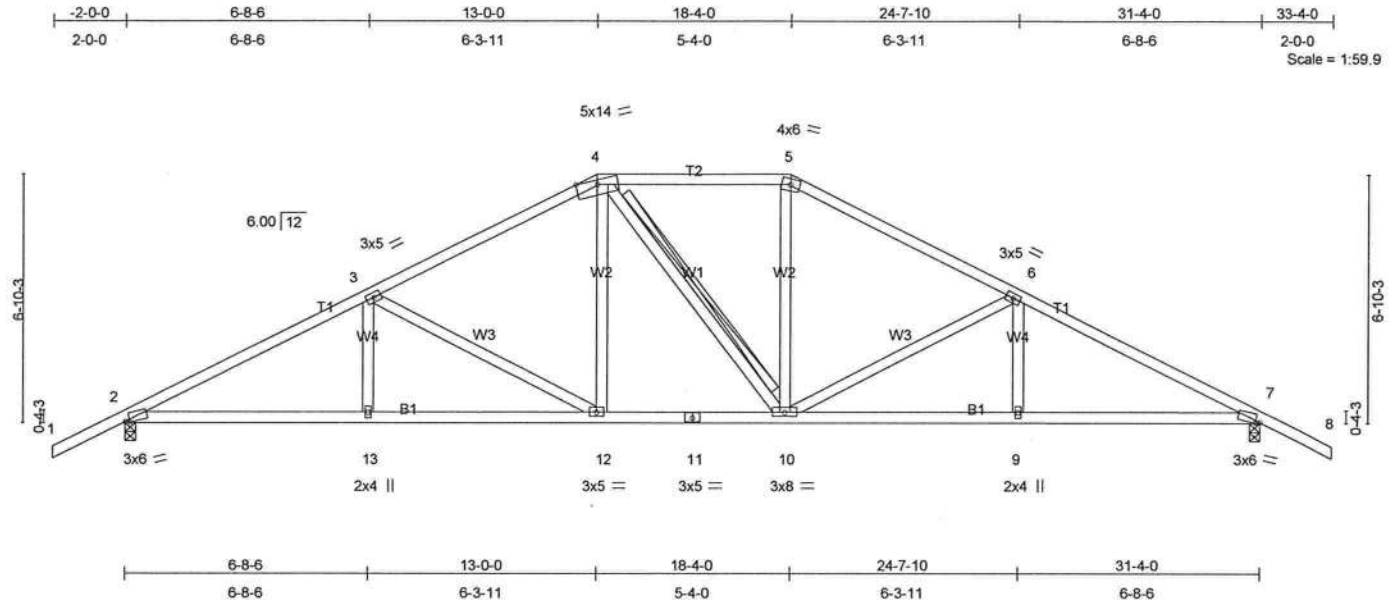

Plate Offsets (X,Y): [2:0-1-9,0-0-7], [7:0-1-9,0-0-7]

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)	0.11	12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.18	12-13	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 165 lb	

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

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

REACTIONS (lb/size) 2=1109/0-3-8, 7=1109/0-3-8
Max Horz 2=-113(load case 7)
Max Uplift 2=-297(load case 6), 7=-297(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1817/950, 3-4=-1360/802, 4-5=-1151/786, 5-6=-1360/802, 6-7=-1817/950, 7-8=0/47
BOT CHORD 2-13=-668/1545, 12-13=-668/1545, 11-12=-374/1150, 10-11=-374/1150, 9-10=-668/1545, 7-9=-668/1545
WEBS 3-13=0/212, 3-12=-453/335, 4-12=-124/318, 4-10=-152/153, 5-10=-124/318, 6-10=-453/335, 6-9=0/212

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JOINT STRESS INDEX
2 = 0.78, 3 = 0.46, 4 = 0.79, 5 = 0.68, 6 = 0.46, 7 = 0.78, 9 = 0.33, 10 = 0.56, 11 = 0.38, 12 = 0.39 and 13 = 0.33

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966886
L278345	T07	ROOF TRUSS	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=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 2 and 297 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T08	ROOF TRUSS	1	1	J1966887
					Job Reference (optional)

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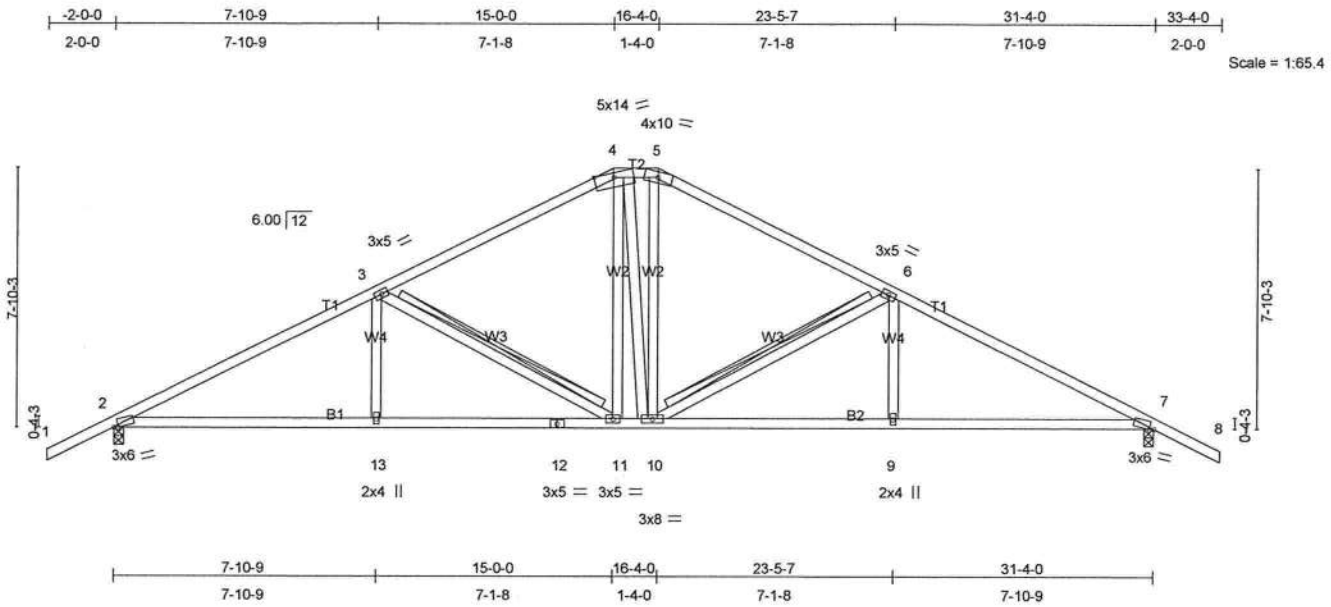

Plate Offsets (X,Y): [2:0-1-9,0-0-7], [7:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.11	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.21	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 173 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 4-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-1 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-11, 6-10
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1109/0-3-8, 7=1109/0-3-8
Max Horz 2=-125(load case 7)
Max Uplift 2=-308(load case 6), 7=-316(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1781/949, 3-4=-1235/765, 4-5=-1030/763, 5-6=-1239/767, 6-7=-1780/948, 7-8=0/47
BOT CHORD 2-13=-652/1504, 12-13=-652/1504, 11-12=-652/1504, 10-11=-298/1026, 9-10=-651/1503, 7-9=-651/1503
WEBS 3-13=0/250, 3-11=-558/407, 4-11=-164/290, 5-10=-162/364, 6-10=-552/403, 6-9=0/248, 4-10=-202/240

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JOINT STRESS INDEX
2 = 0.77, 3 = 0.46, 4 = 0.79, 5 = 0.56, 6 = 0.46, 7 = 0.77, 9 = 0.33, 10 = 0.57, 11 = 0.39, 12 = 0.52 and 13 = 0.33

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966887
L278345	T08	ROOF TRUSS	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=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 308 lb uplift at joint 2 and 316 lb uplift at joint 7.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T09	ROOF TRUSS	3	1	J1966888
					Job Reference (optional)

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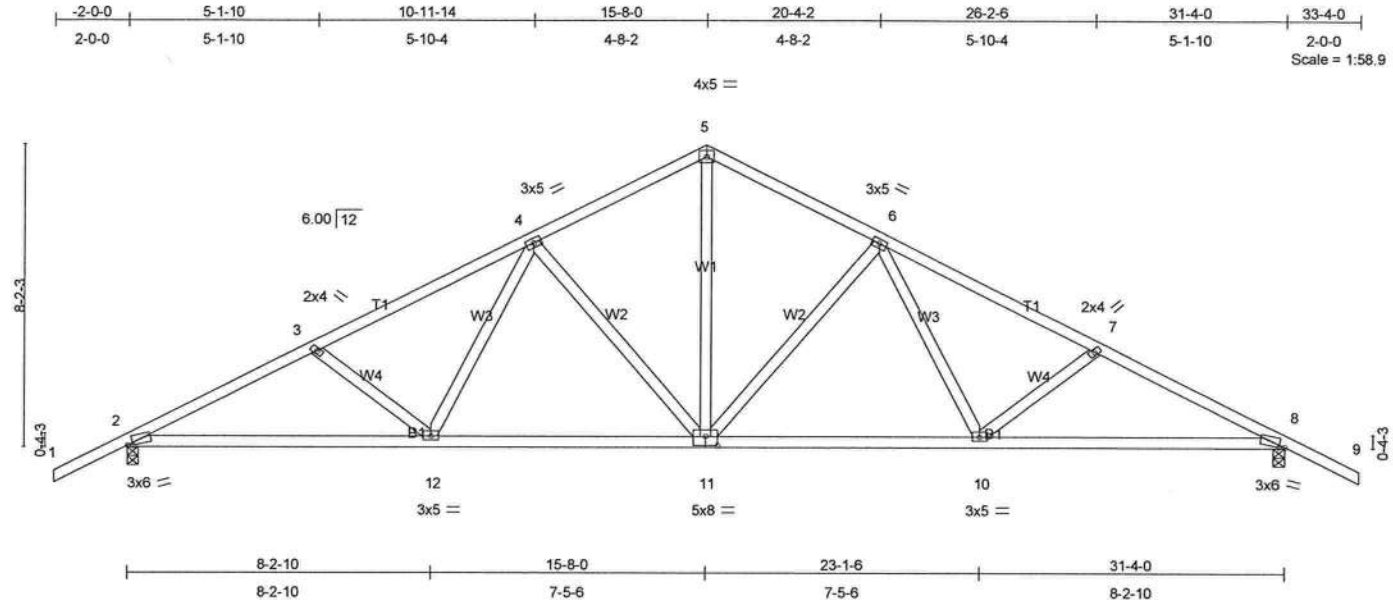

Plate Offsets (X,Y): [2:0-1-13,0-0-7], [8:0-1-13,0-0-7], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.12	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.20	8-10	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 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 4-6-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-13 oc bracing.

REACTIONS (lb/size) 2=1109/0-3-8, 8=1109/0-3-8
Max Horz 2=-128(load case 7)
Max Uplift 2=-311(load case 6), 8=-311(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1850/1019, 3-4=-1619/933, 4-5=-1157/778, 5-6=-1157/778, 6-7=-1619/933, 7-8=-1850/1019, 8-9=0/47
BOT CHORD 2-12=-746/1590, 11-12=-493/1265, 10-11=-493/1265, 8-10=-746/1590
WEBS 3-12=-268/260, 4-12=-111/328, 4-11=-452/357, 5-11=-512/750, 6-11=-452/357, 6-10=-111/328, 7-10=-268/260

JOINT STRESS INDEX
2 = 0.76, 3 = 0.33, 4 = 0.46, 5 = 0.48, 6 = 0.46, 7 = 0.33, 8 = 0.76, 10 = 0.44, 11 = 0.37 and 12 = 0.44

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966888
L278345	T09	ROOF TRUSS	3	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 311 lb uplift at joint 2 and 311 lb uplift at joint 8.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T10	ROOF TRUSS	4	1	J1966889
					Job Reference (optional)

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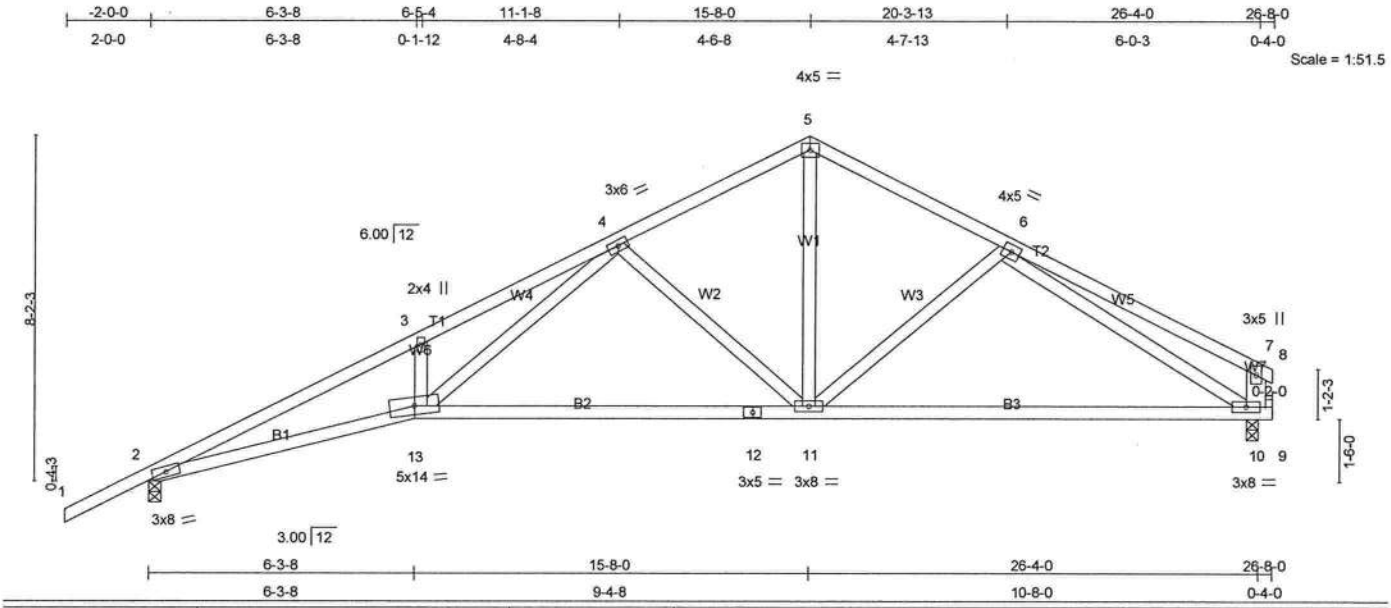

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.24	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.41	11-13	>762	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.15	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3 *Except* W7 2 X 6 SYP No.1D

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-6-6 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-4-12 oc bracing.

REACTIONS (lb/size) 2=956/0-3-8, 10=857/0-3-8
Max Horz 2=190(load case 6)
Max Uplift 2=-284(load case 6), 10=-180(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-2708/1450, 3-4=-2678/1612, 4-5=-1003/653, 5-6=-1007/653, 6-7=-371/235, 7-8=0/10, 7-10=-324/260
BOT CHORD	2-13=-1342/2405, 12-13=-686/1289, 11-12=-686/1289, 10-11=-510/959, 9-10=0/0
WEBS	3-13=-249/274, 4-13=-835/1385, 4-11=-595/455, 5-11=-382/599, 6-11=-205/210, 6-10=-842/488

JOINT STRESS INDEX
2 = 0.63, 3 = 0.33, 4 = 0.87, 5 = 0.55, 6 = 0.34, 7 = 0.71, 10 = 0.87, 11 = 0.56, 12 = 0.55 and 13 = 0.69

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966889
L278345	T10	ROOF TRUSS	4	1	Job Reference (optional)

NOTES

4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 284 lb uplift at joint 2 and 180 lb uplift at joint 10.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T11	ROOF TRUSS	1	1	J1966890
					Job Reference (optional)

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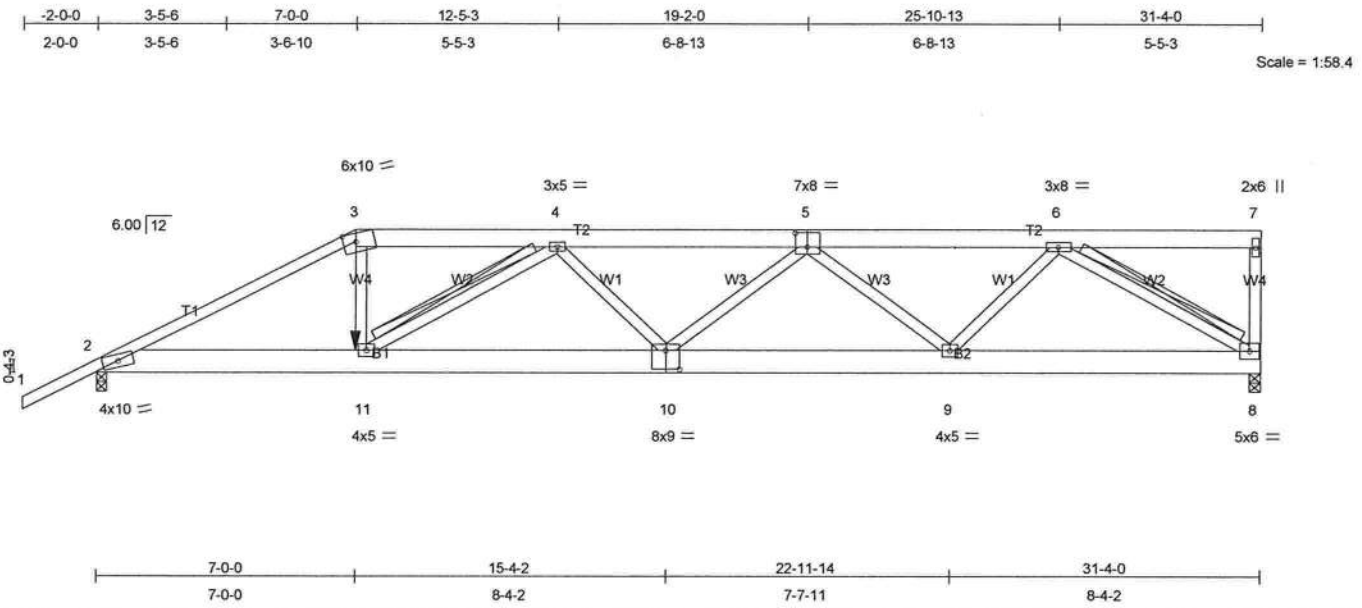

7-0-0 15-4-2 22-11-14 31-4-0
7-0-0 8-4-2 7-7-11 8-4-2

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.21	10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.40	10-11	>933	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 220 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except* T1 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11-13 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-11, 6-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=2194/0-3-8, 2=2140/0-3-8
Max Horz 2=162(load case 5)
Max Uplift 8=-755(load case 4), 2=-666(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-4181/1361, 3-4=-3745/1268, 4-5=-5112/1715, 5-6=-3909/1295, 6-7=-79/23, 7-8=-277/136
BOT CHORD 2-11=-1249/3685, 10-11=-1775/5042, 9-10=-1750/4987, 8-9=-1061/2959
WEBS 3-11=-403/1381, 4-11=-1638/611, 4-10=0/239, 5-10=0/232, 5-9=-1427/603, 6-9=-354/1440, 6-8=-3400/1226

JOINT STRESS INDEX
2 = 0.75, 3 = 0.71, 4 = 0.53, 5 = 0.43, 6 = 0.87, 7 = 0.79, 8 = 0.84, 9 = 0.69, 10 = 0.64 and 11 = 0.71

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
					J1966890
L278345	T11	ROOF TRUSS	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=13ft; 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
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 755 lb uplift at joint 8 and 666 lb uplift at joint 2.
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, 3-7=-118(F=-64), 2-11=-10, 8-11=-22(F=-12)
   Concentrated Loads (lb)
   Vert: 11=-411(F)

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T12	ROOF TRUSS	1	1	J1966891
					Job Reference (optional)

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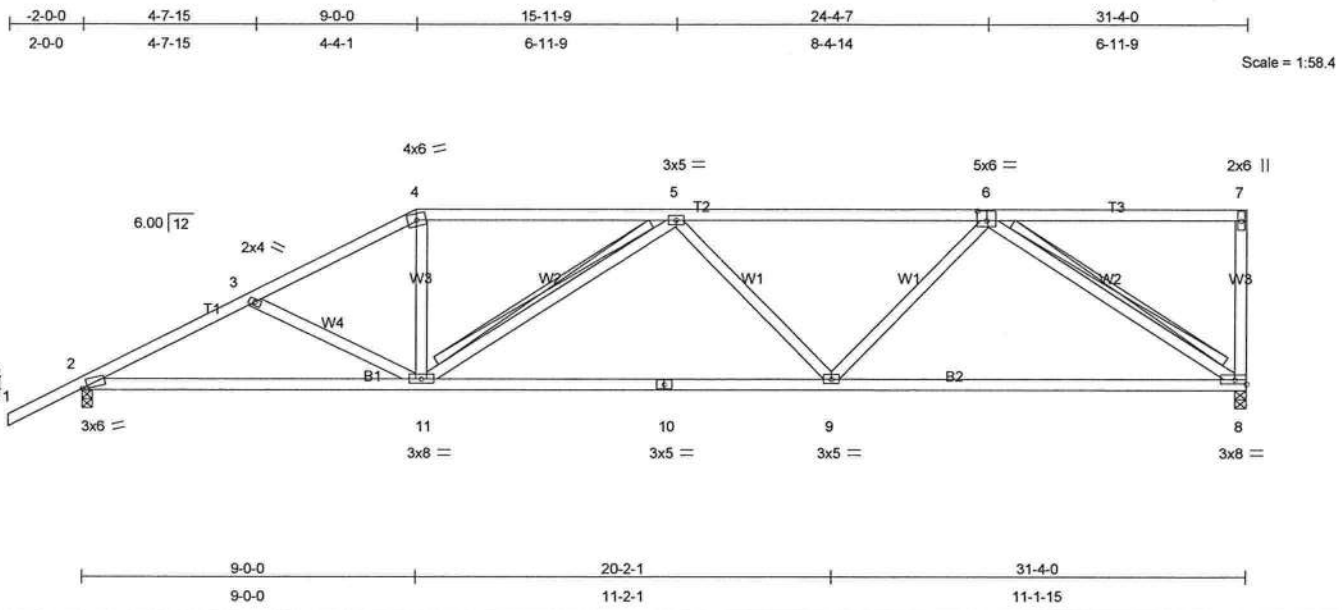

Plate Offsets (X,Y): [2:0-1-13,0-0-7], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.25	8-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.45	8-9	>822	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 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 4-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-5 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 5-11, 6-8
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 8=989/0-3-8, 2=1113/0-3-8
Max Horz 2=195(load case 6)
Max Uplift 8=-270(load case 5), 2=-265(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1846/924, 3-4=-1622/824, 4-5=-1423/798, 5-6=-1520/785, 6-7=-63/9 , 7-8=-160/110
BOT CHORD 2-11=-969/1582, 10-11=-965/1730, 9-10=-965/1730, 8-9=-671/1207
WEBS 3-11=-191/195, 4-11=-130/428, 5-11=-369/201, 5-9=-309/265, 6-9=-168/510, 6-8=-1396/797

JOINT STRESS INDEX
2 = 0.80, 3 = 0.33, 4 = 0.66, 5 = 0.39, 6 = 0.68, 7 = 0.68, 8 = 0.65, 9 = 0.39, 10 = 0.77 and 11 = 0.56

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966891
L278345	T12	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 270 lb uplift at joint 8 and 265 lb uplift at joint 2.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T13	ROOF TRUSS	1	1	J1966892
					Job Reference (optional)

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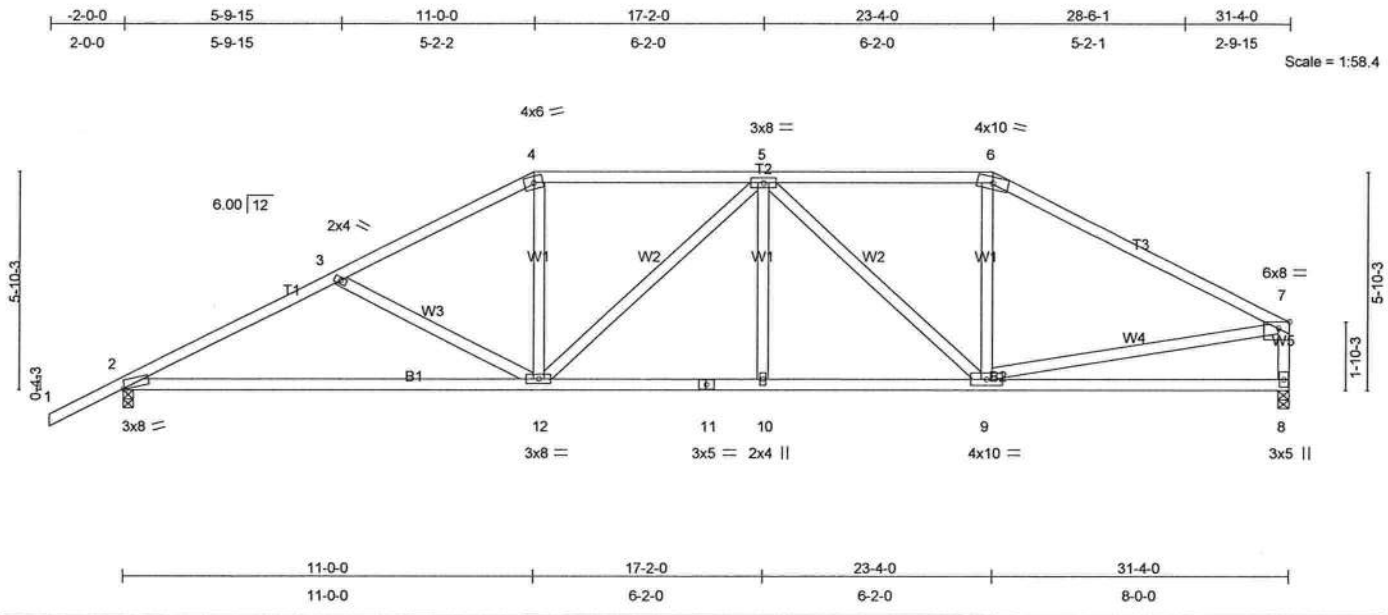

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.31	2-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.57	2-12	>656	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 169 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W5 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-7 oc bracing.

REACTIONS (lb/size) 2=1113/0-3-8, 8=989/0-3-8
Max Horz 2=147(load case 6)
Max Uplift 2=-285(load case 6), 8=-167(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1811/973, 3-4=-1502/831, 4-5=-1296/809, 5-6=-1102/723, 6-7=-1324/714, 7-8=-943/556
BOT CHORD 2-12=-853/1550, 11-12=-667/1393, 10-11=-667/1393, 9-10=-667/1393, 8-9=-167/218
WEBS 3-12=-302/280, 4-12=-119/387, 5-12=-254/119, 5-10=0/124, 5-9=-492/196, 6-9=-18/281, 7-9=-362/897

JOINT STRESS INDEX
2 = 0.89, 3 = 0.33, 4 = 0.73, 5 = 0.56, 6 = 0.77, 7 = 0.64, 8 = 0.57, 9 = 0.47, 10 = 0.33, 11 = 0.46 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=13ft; 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.

Continued on page 2

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966892
L278345	T13	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

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 285 lb uplift at joint 2 and 167 lb uplift at joint 8.

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T14	ROOF TRUSS	1	1	J1966893 Job Reference (optional)

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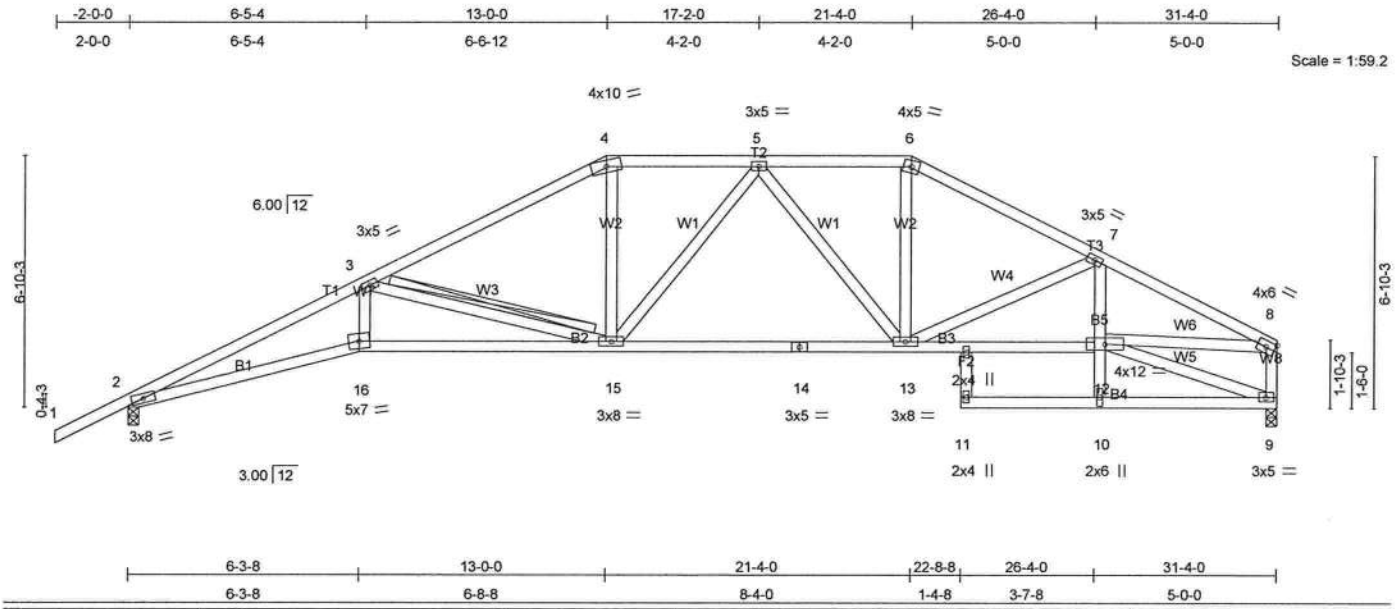

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.31	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.57	11	>655	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.29	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 182 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* B5 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3 *Except* W8 2 X 4 SYP No.2
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-1-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-11-10 oc bracing.
WEBS	T-Brace: 2 X 4 SYP No.3 - 3-15 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.
JOINTS	1 Brace at Jt(s): 12

REACTIONS (lb/size) 2=1121/0-3-8, 9=1019/0-3-8
Max Horz 2=158(load case 6)
Max Uplift 2=-292(load case 6), 9=-164(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-3387/1749, 3-4=-1782/963, 4-5=-1537/939, 5-6=-1389/840, 6-7=-1600/871, 7-8=-2147/1051, 8-9=-1022/543
BOT CHORD	2-16=-1584/3027, 15-16=-1510/2868, 14-15=-677/1527, 13-14=-677/1527, 12-13=-891/1896, 10-12=0/199, 7-12=-11/397, 10-11=0/0, 9-10=-47/17
WEBS	3-16=-327/781, 3-15=-1389/855, 4-15=-166/459, 5-15=-159/94, 5-13=-325/142, 6-13=-173/436, 7-13=-571/338, 8-12=-808/1775, 9-12=-28/110

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JOINT STRESS INDEX

2 = 0.77, 3 = 0.66, 4 = 0.58, 5 = 0.40, 6 = 0.76, 7 = 0.58, 8 = 0.72, 9 = 0.47, 10 = 0.67, 11 = 0.33, 12 = 0.77, 13 = 0.56, 14 = 0.57, 15 = 0.61, 16 = 0.90 and 17 = 0.33

May 23,2008

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966893
L278345	T14	ROOF TRUSS	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=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 2 and 164 lb uplift at joint 9.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T15	ROOF TRUSS	1	1	J1966894
					Job Reference (optional)

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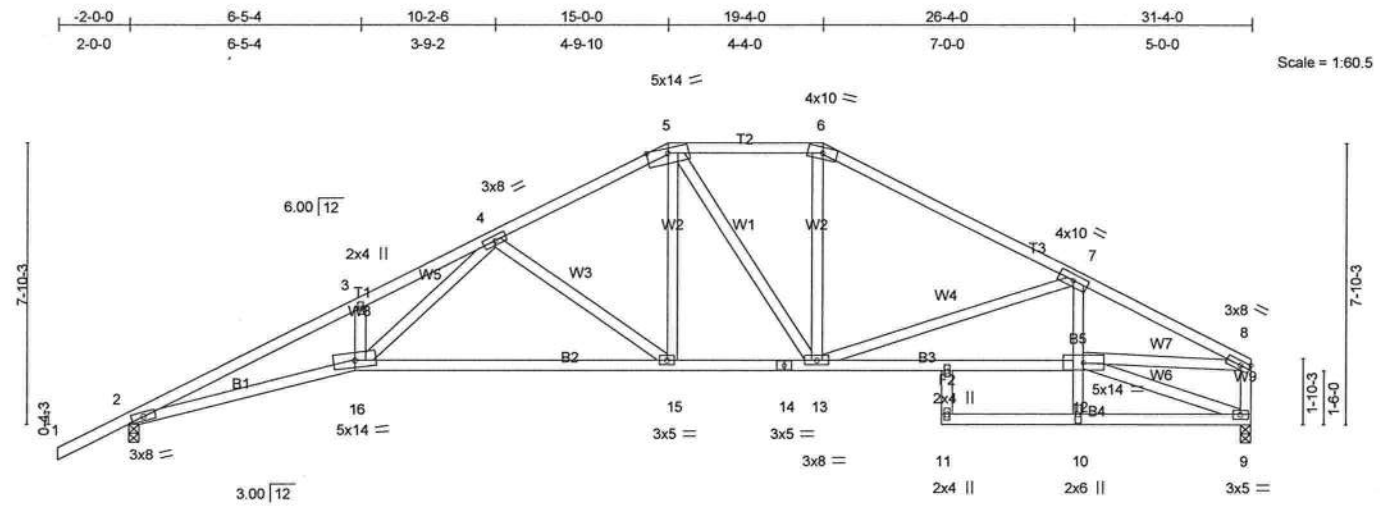

6-3-8	15-0-0	19-4-0	22-8-8	26-4-0	31-4-0
6-3-8	8-8-8	4-4-0	3-4-8	3-7-8	5-0-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.31	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.58	11	>642	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.29	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* B5 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3 *Except* W9 2 X 4 SYP No.2
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-0-15 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-11-14 oc bracing. Except: 1 Row at midpt 12-13
JOINTS	1 Brace at Jt(s): 12

REACTIONS (lb/size) 2=1121/0-3-8, 9=1019/0-3-8
Max Horz 2=170(load case 6)
Max Uplift 2=-302(load case 6), 9=-177(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-3367/1728, 3-4=-3309/1864, 4-5=-1506/882, 5-6=-1260/827, 6-7=-1489/837, 7-8=-2160/1069, 8-9=-1019/541
BOT CHORD	2-16=-1560/3004, 15-16=-942/1862, 14-15=-543/1304, 13-14=-543/1304, 12-13=-951/1964, 10-12=0/196, 7-12=0/450, 10-11=0/0, 9-10=-81/17
WEBS	3-16=-202/231, 4-16=-804/1449, 4-15=-708/503, 5-15=-263/497, 5-13=-228/107, 6-13=-113/368, 7-13=-748/452, 8-12=-840/1800, 9-12=0/147

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JOINT STRESS INDEX

2 = 0.77, 3 = 0.33, 4 = 0.72, 5 = 0.49, 6 = 0.64, 7 = 0.64, 8 = 0.94, 9 = 0.46, 10 = 0.72, 11 = 0.33, 12 = 0.62, 13 = 0.57, 14 = 0.47, 15 = 0.39, 16 = 0.82 and 17 = 0.33

NOTES

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

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
					J1966894
L278345	T15	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 2 and 177 lb uplift at joint 9.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T16	ROOF TRUSS	2	1	J1966895
					Job Reference (optional)

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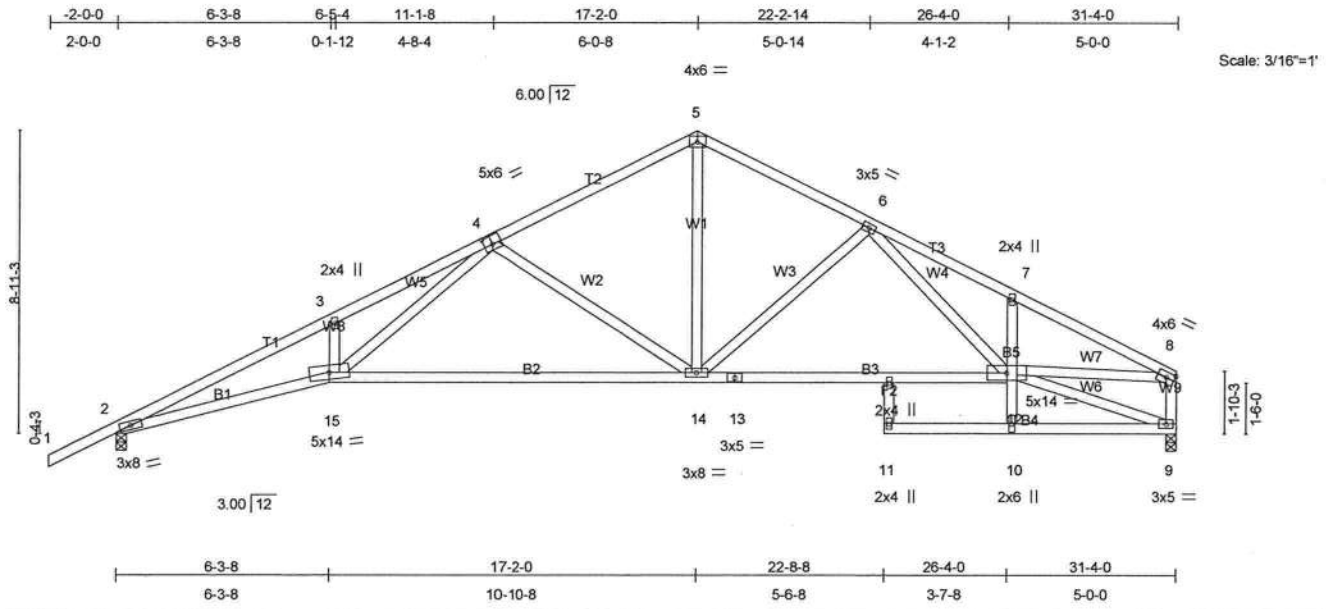

Plate Offsets (X,Y): [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.36	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.76	14-15	>490	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.27	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 181 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* B5 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3 *Except* W9 2 X 4 SYP No.2
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-0-15 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-11-3 oc bracing.

REACTIONS (lb/size) 2=1121/0-3-8, 9=1019/0-3-8
Max Horz 2=183(load case 6)
Max Uplift 2=-312(load case 6), 9=-188(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-3381/1752, 3-4=-3330/1901, 4-5=-1327/806, 5-6=-1309/814, 6-7=-1970/1104, 7-8=-1964/988, 8-9=-1027/557
BOT CHORD	2-15=-1582/3019, 14-15=-894/1745, 13-14=-667/1420, 12-13=-667/1420, 10-12=0/194, 7-12=-232/238, 10-11=0/0, 9-10=-122/0
WEBS	3-15=-213/248, 4-15=-868/1565, 4-14=-748/554, 5-14=-462/803, 6-14=-428/315, 6-12=-208/552, 8-12=-748/1609, 9-12=-21/191

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JOINT STRESS INDEX

2 = 0.78, 3 = 0.33, 4 = 0.69, 5 = 0.66, 6 = 0.46, 7 = 0.33, 8 = 0.75, 9 = 0.48, 10 = 0.78, 11 = 0.33, 12 = 0.47, 13 = 0.78, 14 = 0.56, 15 = 0.93 and 16 = 0.33

May 23,2008

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Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966895
L278345	T16	ROOF TRUSS	2	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=13ft; 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint 2 and 188 lb uplift at joint 9.

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T17	ROOF TRUSS	1	1	J1966896
					Job Reference (optional)

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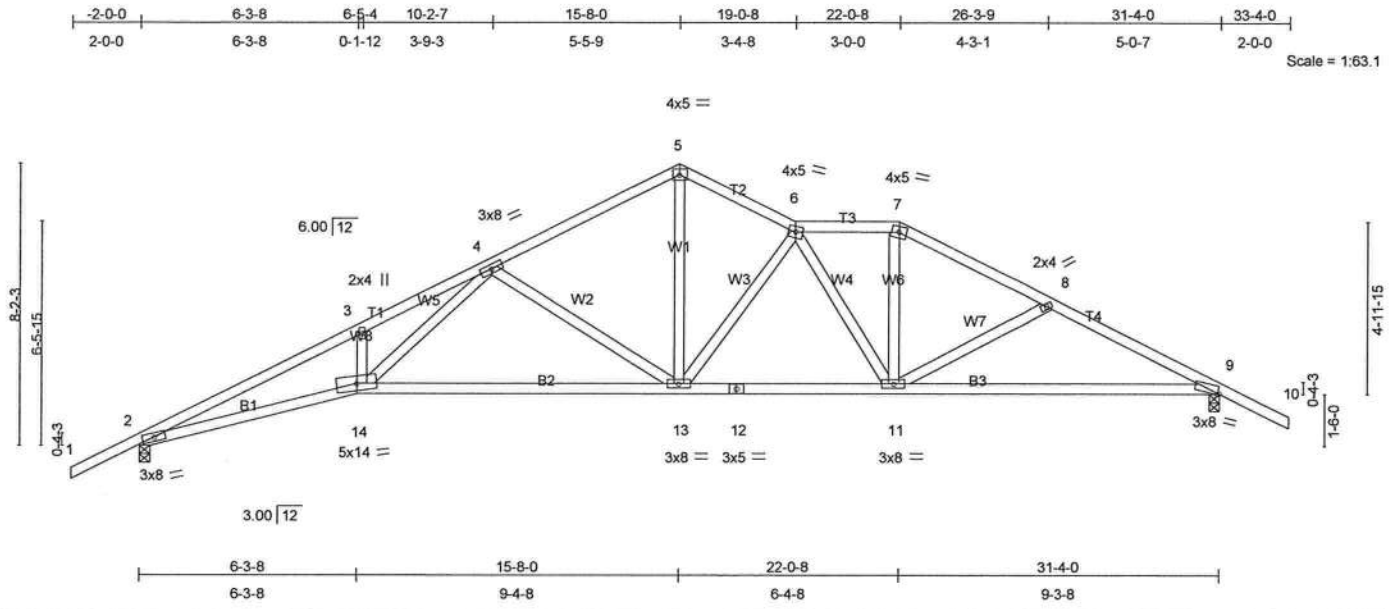

Plate Offsets (X,Y): [9:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.30	13-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.60	13-14	>626	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.21	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 163 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 3-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-2-13 oc bracing.

REACTIONS (lb/size) 2=1109/0-3-8, 9=1109/0-3-8
Max Horz 2=158(load case 6)
Max Uplift 2=-311(load case 6), 9=-310(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3322/1665, 3-4=-3262/1801, 4-5=-1429/851, 5-6=-1378/861, 6-7=-1375/848, 7-8=-1576/884, 8-9=-1826/991, 9-10=0/47
BOT CHORD 2-14=-1416/2963, 13-14=-843/1831, 12-13=-628/1538, 11-12=-628/1538, 9-11=-717/1566
WEBS 3-14=-201/230, 4-14=-749/1437, 4-13=-732/506, 5-13=-532/933, 6-13=-542/355, 6-11=-314/188, 7-11=-208/452, 8-11=-246/219

JOINT STRESS INDEX
2 = 0.76, 3 = 0.33, 4 = 0.72, 5 = 0.73, 6 = 0.34, 7 = 0.62, 8 = 0.33, 9 = 0.70, 11 = 0.57, 12 = 0.54, 13 = 0.56 and 14 = 0.84

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966896
L278345	T17	ROOF TRUSS	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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint 2 and 310 lb uplift at joint 9.

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T18	ROOF TRUSS	1	1	J1966897
					Job Reference (optional)

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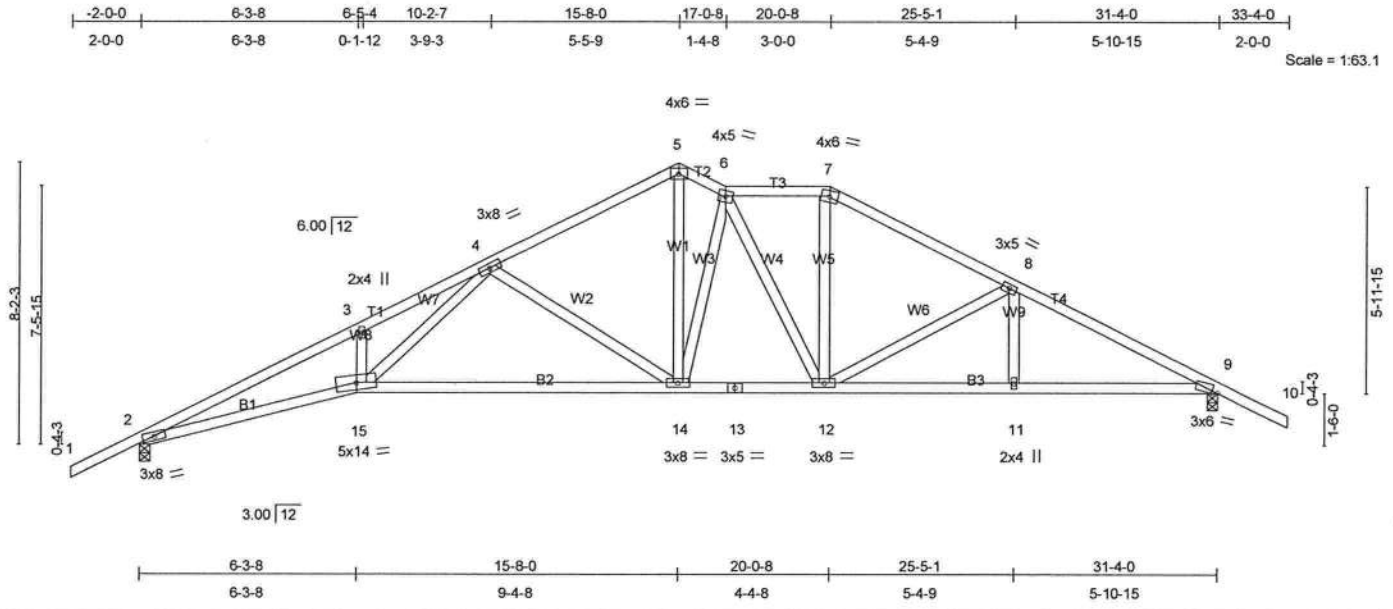

Plate Offsets (X,Y): [9:0-1-13,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.29	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.58	14-15	>644	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.21	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 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 3-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-2-14 oc bracing.

REACTIONS (lb/size) 2=1109/0-3-8, 9=1109/0-3-8
Max Horz 2=158(load case 6)
Max Uplift 2=-311(load case 6), 9=-310(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3322/1663, 3-4=-3263/1800, 4-5=-1432/849, 5-6=-1314/838, 6-7=-1250/823, 7-8=-1455/852, 8-9=-1835/957, 9-10=0/47
BOT CHORD 2-15=-1415/2963, 14-15=-839/1829, 13-14=-479/1316, 12-13=-479/1316, 11-12=-681/1565, 9-11=-681/1565
WEBS 3-15=-204/232, 4-15=-752/1438, 4-14=-725/503, 5-14=-478/867, 6-14=-439/248, 6-12=-222/58, 7-12=-153/343, 8-12=-379/261, 8-11=0/191

JOINT STRESS INDEX
2 = 0.76, 3 = 0.33, 4 = 0.72, 5 = 0.59, 6 = 0.55, 7 = 0.60, 8 = 0.46, 9 = 0.76, 11 = 0.33, 12 = 0.60, 13 = 0.47, 14 = 0.67 and 15 = 0.83

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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.

Continued on page 2

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
					J1966897
L278345	T18	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 311 lb uplift at joint 2 and 310 lb uplift at joint 9.

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 34869
1316 Coastal Bay Blvd
Boynton Beach, FL 33435

May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T19	ROOF TRUSS	1	1	J1966898
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 22 16:22:08 2008 Page 1

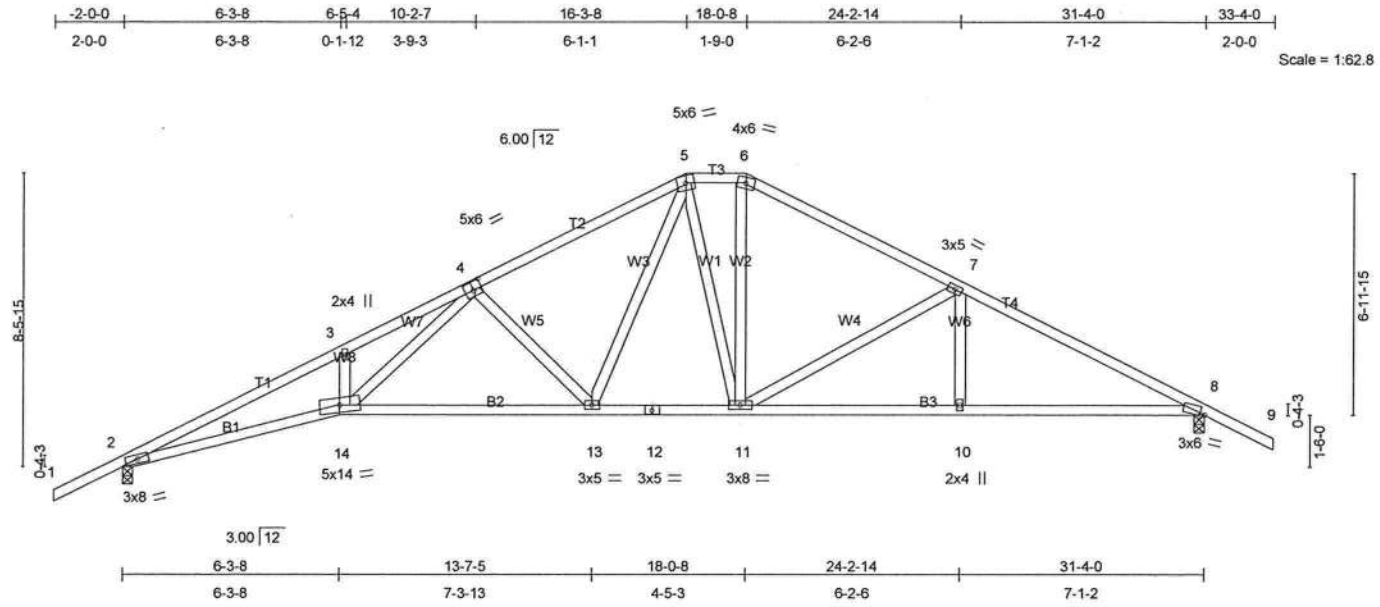

Plate Offsets (X,Y): [4:0-3-0,0-3-0], [8:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.28	13-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.48	13-14	>784	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.20	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 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 3-1-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-2-15 oc bracing.

REACTIONS (lb/size) 2=1109/0-3-8, 8=1109/0-3-8
Max Horz 2=162(load case 6)
Max Uplift 2=-313(load case 6), 8=-293(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-3302/1671, 3-4=-3237/1800, 4-5=-1618/972, 5-6=-1129/789, 6-7=-1336/806, 7-8=-1804/952, 8-9=0/47
BOT CHORD	2-14=-1422/2944, 13-14=-852/1846, 12-13=-387/1152, 11-12=-387/1152, 10-11=-664/1529, 8-10=-664/1529
WEBS	3-14=-189/217, 4-14=-742/1390, 4-13=-682/488, 5-13=-353/613, 5-11=-266/137, 6-11=-211/389, 7-11=-475/343, 7-10=0/223

JOINT STRESS INDEX

2 = 0.76, 3 = 0.33, 4 = 0.56, 5 = 0.48, 6 = 0.62, 7 = 0.46, 8 = 0.78, 10 = 0.33, 11 = 0.67, 12 = 0.39, 13 = 0.53 and 14 = 0.82

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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.

Continued on page 2

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966898
L278345	T19	ROOF TRUSS	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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2 and 293 lb uplift at joint 8.

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T20	ROOF TRUSS	3	1	J1966899
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 22 16:22:09 2008 Page 1

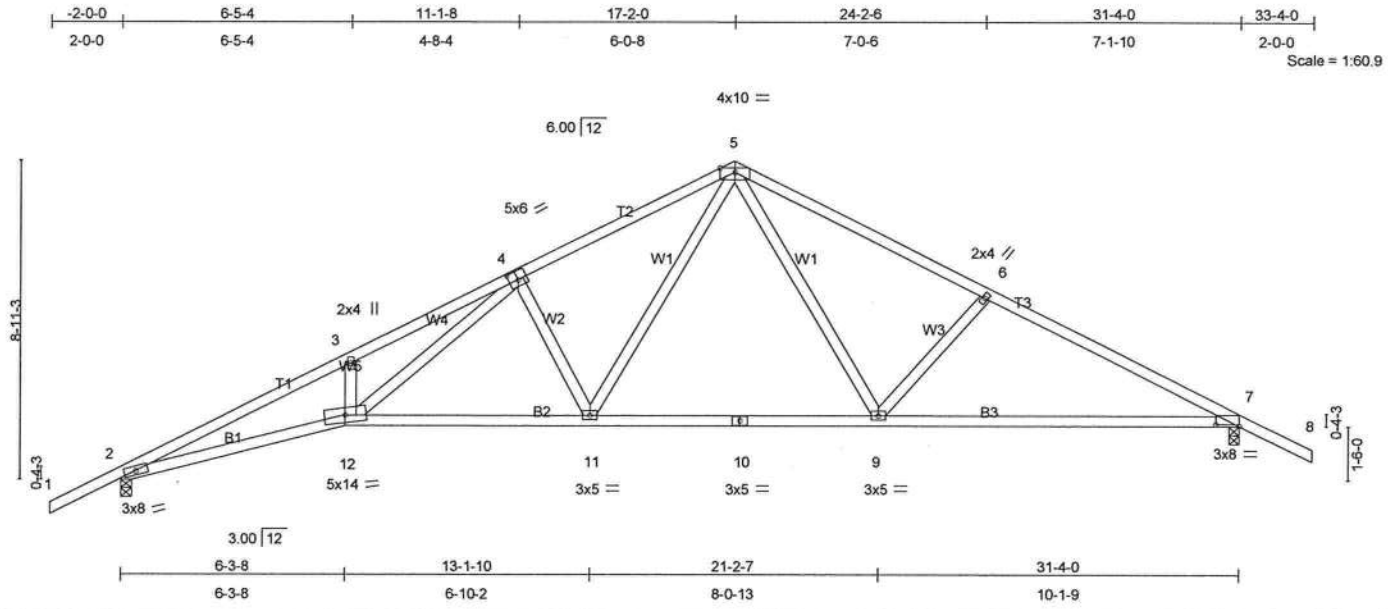

Plate Offsets (X,Y): [4:0-3-0,0-3-0], [7:0-8-0,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.30	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.48	11-12	>773	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.20	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 154 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 3-1-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-2-8 oc bracing.

REACTIONS (lb/size) 2=1109/0-3-8, 7=1109/0-3-8
Max Horz 2=167(load case 6)
Max Uplift 2=-317(load case 6), 7=-298(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-3301/1691, 3-4=-3256/1843, 4-5=-1680/1043, 5-6=-1527/924, 6-7=-1783/981, 7-8=0/47
BOT CHORD	2-12=-1441/2944, 11-12=-775/1724, 10-11=-353/1082, 9-10=-353/1082, 7-9=-690/1516
WEBS	3-12=-219/254, 4-12=-843/1504, 4-11=-621/460, 5-11=-433/730, 5-9=-227/434, 6-9=-367/343

JOINT STRESS INDEX

2 = 0.76, 3 = 0.33, 4 = 0.67, 5 = 0.40, 6 = 0.33, 7 = 0.65, 9 = 0.43, 10 = 0.39, 11 = 0.57 and 12 = 0.86

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; 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.

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May 23,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966899
L278345	T20	ROOF TRUSS	3	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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 317 lb uplift at joint 2 and 298 lb uplift at joint 7.

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T22	ROOF TRUSS	4	1	J1966900 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 22 16:22:10 2008 Page 1

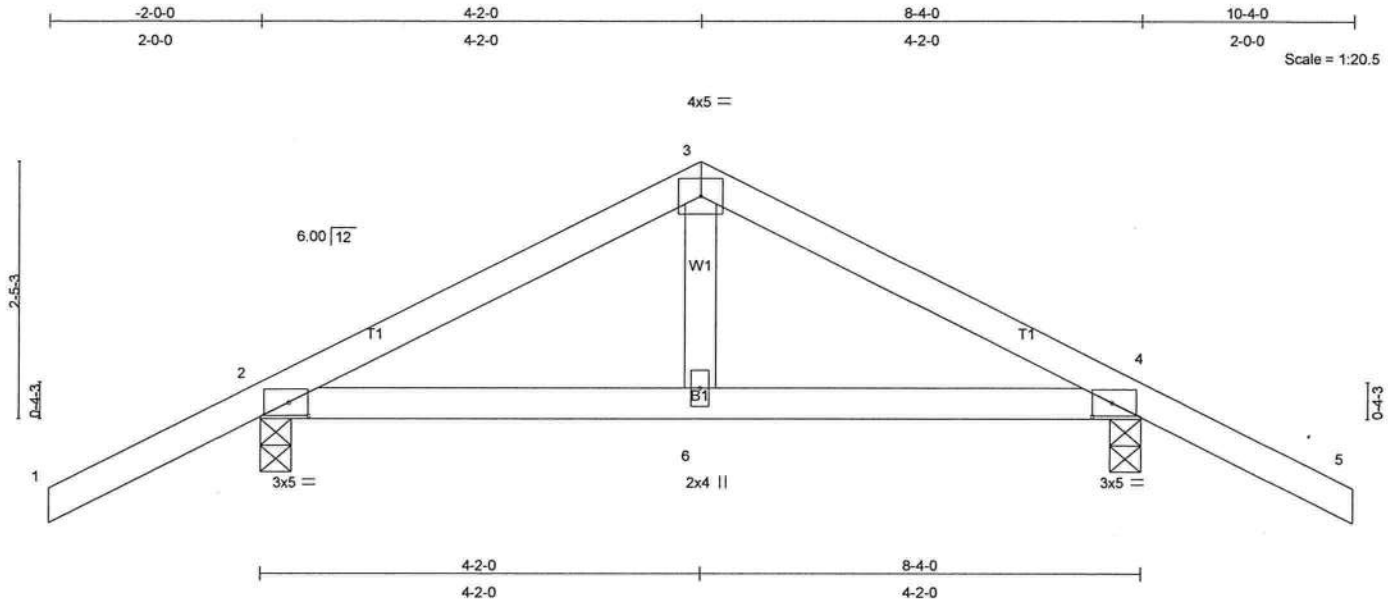

Plate Offsets (X,Y): [2:0-2-4,0-1-8], [4:0-2-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	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: 36 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=373/0-3-8, 4=373/0-3-8
Max Horz 2=-60(load case 7)
Max Uplift 2=-260(load case 6), 4=-260(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-294/448, 3-4=-294/448, 4-5=0/47
BOT CHORD 2-6=-242/212, 4-6=-242/212
WEBS 3-6=-204/128

JOINT STRESS INDEX
2 = 0.67, 3 = 0.47, 4 = 0.67 and 6 = 0.09

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 23,2008

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 2 and 260 lb uplift at joint 4.

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T22G	GABLE	1	1	J1966901
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu May 22 16:22:11 2008 Page 1

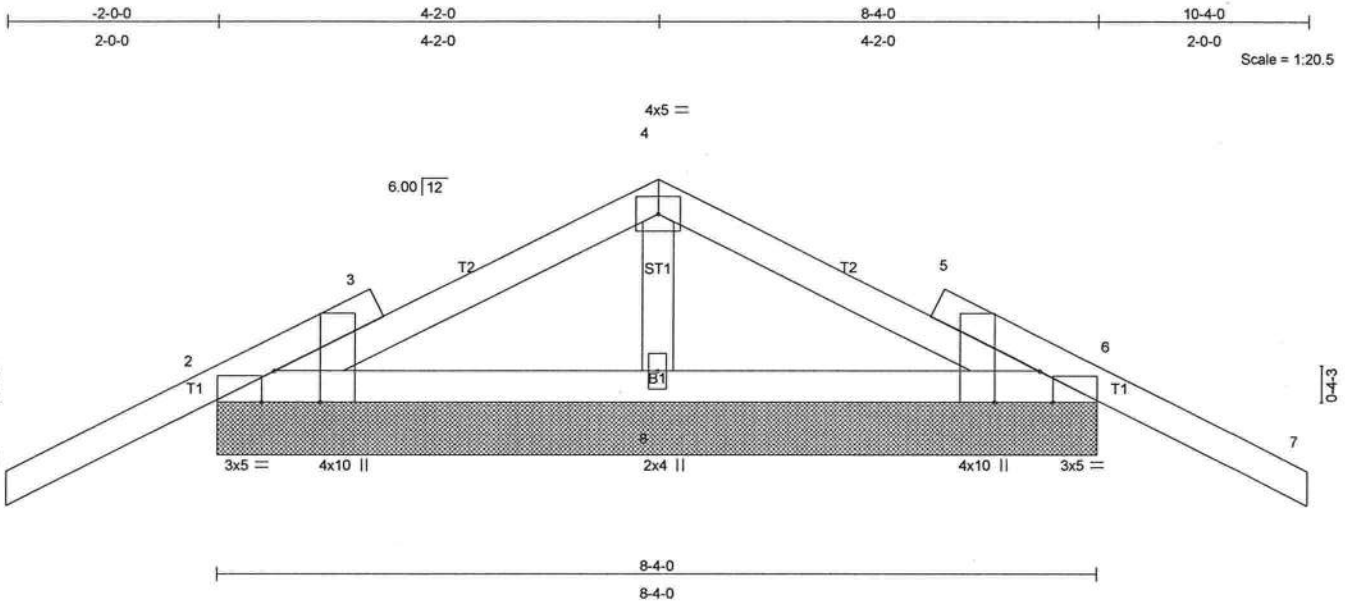

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-1-8,Edge], [6:0-3-8,Edge], [6:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.02	7	n/r	90		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 8-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=227/8-4-0, 6=227/8-4-0, 8=294/8-4-0
Max Horz 2=-63(load case 7)
Max Uplift 2=-204(load case 6), 6=-214(load case 7), 8=-69(load case 6)
Max Grav 2=239(load case 10), 6=239(load case 11), 8=294(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-12/35, 3-4=0/98, 4-5=0/98, 5-6=-4/35, 6-7=0/47
BOT CHORD 2-8=-48/104, 6-8=-48/104
WEBS 4-8=-247/143

JOINT STRESS INDEX
2 = 0.49, 2 = 0.00, 3 = 0.00, 3 = 0.00, 4 = 0.41, 5 = 0.00, 5 = 0.00, 6 = 0.49, 6 = 0.00 and 8 = 0.09

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"

Continued on page 2

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
					J1966901
L278345	T22G	GABLE	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) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 2, 214 lb uplift at joint 6 and 69 lb uplift at joint 8.

LOAD CASE(S) Standard

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T23	ROOF TRUSS	1	1	J1966902 Job Reference (optional)

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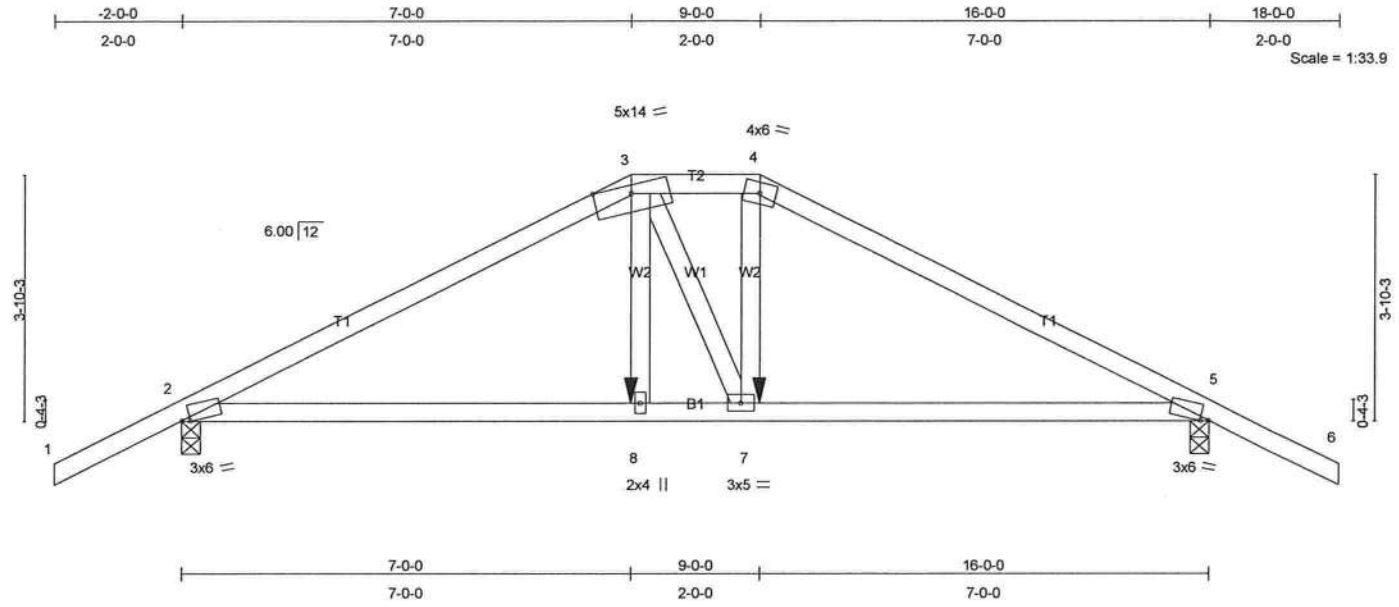

Plate Offsets (X,Y): [2:0-1-9,0-0-7], [5:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	0.12	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.14	2-8	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.04	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 72 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-5 oc bracing.

REACTIONS (lb/size) 2=1103/0-3-8, 5=1103/0-3-8
Max Horz 2=77(load case 5)
Max Uplift 2=-595(load case 5), 5=-595(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1778/804, 3-4=-1526/770, 4-5=-1781/806, 5-6=0/47
BOT CHORD 2-8=-675/1504, 7-8=-684/1523, 5-7=-658/1507
WEBS 3-8=-262/480, 3-7=-146/159, 4-7=-303/592

JOINT STRESS INDEX
2 = 0.77, 3 = 0.87, 4 = 0.76, 5 = 0.77, 7 = 0.43 and 8 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch left and 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

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May 23,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P J1966902
L278345	T23	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 595 lb uplift at joint 2 and 595 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, 2-8=-10, 7-8=-22(F=-12), 5-7=-10
   Concentrated Loads (lb)
   Vert: 8=-411(F) 7=-411(F)

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May 23,2008

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
L278345	T24	ROOF TRUSS	3	1	J1966903 Job Reference (optional)

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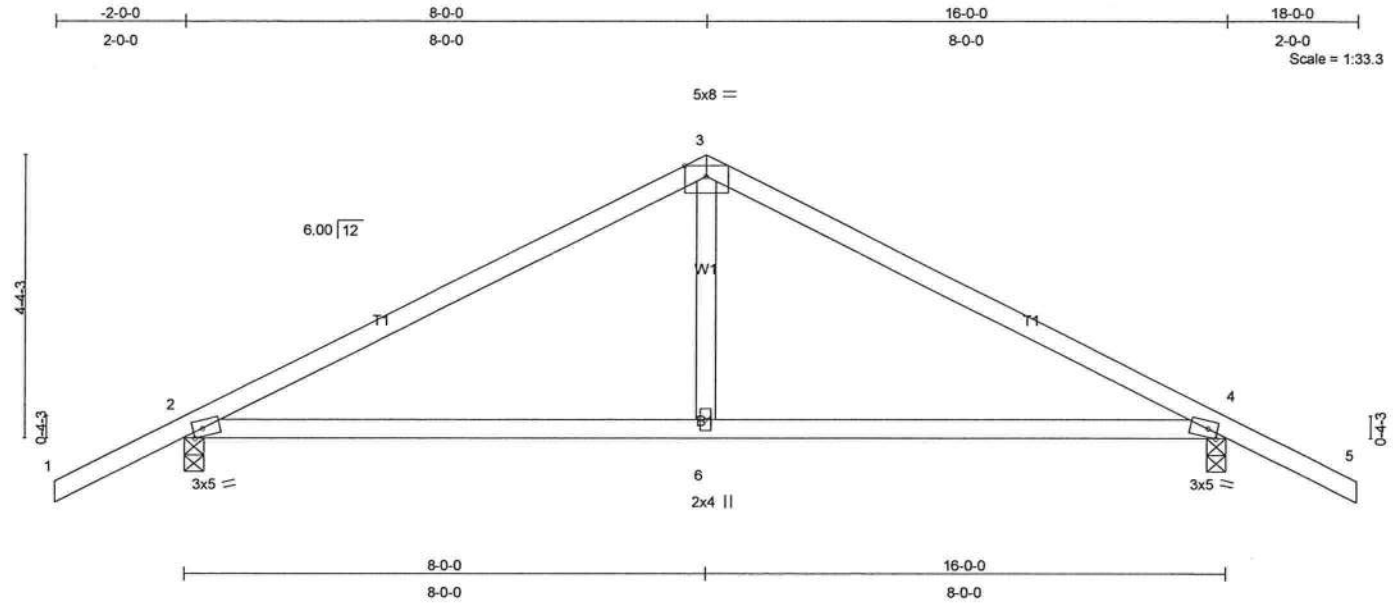

Plate Offsets (X,Y): [2:0-1-12,Edge], [4:0-1-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.24	2-6	>779	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.14	2-6	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.14	Horz(TL)	-0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 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 7-1-0 oc bracing.

REACTIONS (lb/size) 2=619/0-3-8, 4=619/0-3-8
Max Horz 2=-83(load case 7)
Max Uplift 2=-404(load case 6), 4=-404(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-720/981, 3-4=-720/981, 4-5=0/47
BOT CHORD 2-6=-689/562, 4-6=-689/562
WEBS 3-6=-489/273

JOINT STRESS INDEX
2 = 0.77, 3 = 0.93, 4 = 0.77 and 6 = 0.19

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
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 23,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GEIBEIG HOMES - ST.JOHNS 4 W/P
					J1966903
L278345	T24	ROOF TRUSS	3	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 404 lb uplift at joint 2 and 404 lb uplift at joint 4.

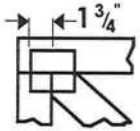
LOAD CASE(S) Standard

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

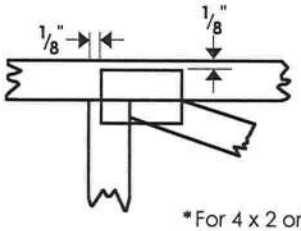
May 23,2008

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

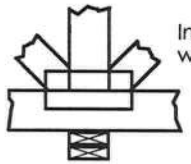
4 x 4

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

LATERAL BRACING

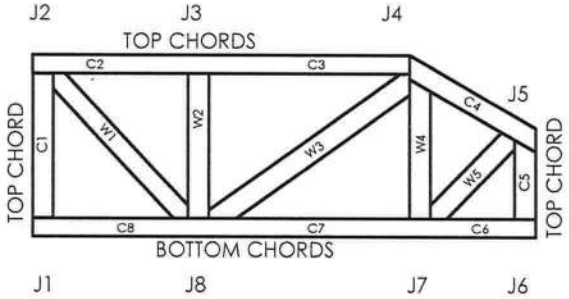
Indicates location of required continuous lateral bracing.

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, 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"	6' 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' 8"	11' 8"
	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' 6"	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"	5' 11"	5' 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"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	9' 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

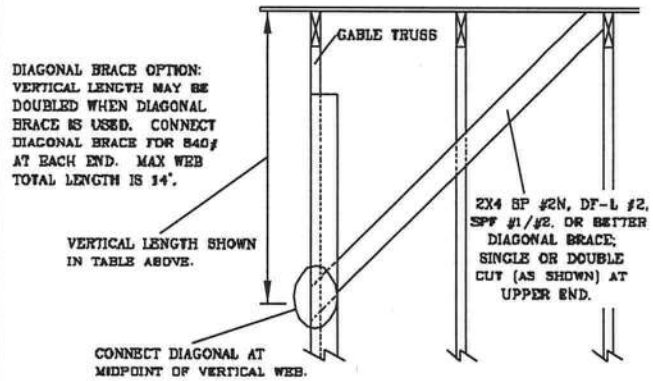
SOUTHERN PINE
#3
STUD
STANDARD

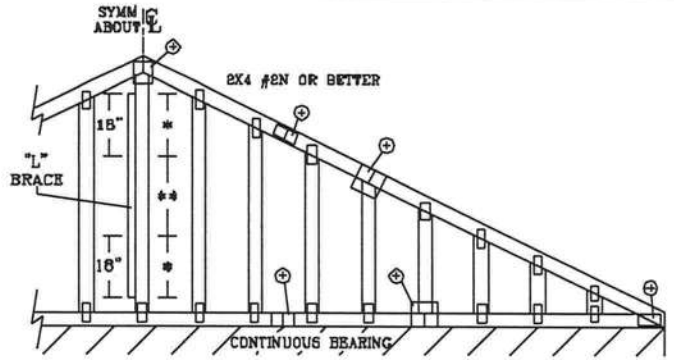
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#3
#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 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.

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 BCS) 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.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34859
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

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 * GROUP A	(1) 1X4 "L" BRACE * GROUP B	(1) 2X4 "L" BRACE * GROUP A	(1) 2X4 "L" BRACE * GROUP B	(2) 2X4 "L" BRACE ** GROUP A	(2) 2X4 "L" BRACE ** GROUP B	(1) 2X6 "L" BRACE * GROUP A	(1) 2X6 "L" BRACE * GROUP B	(2) 2X6 "L" BRACE ** GROUP A	(2) 2X6 "L" BRACE ** GROUP B
24" O.C.	SPF HF	#1 / #2	3' 2"	5' 6"	5' 8"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	5' 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"	5' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
	SP DFL	#1	3' 8"	5' 6"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 5"	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' 8"
		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"	6' 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' 6"	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' 9"	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' 6"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 6"	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' 5"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 8"	5' 8"	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

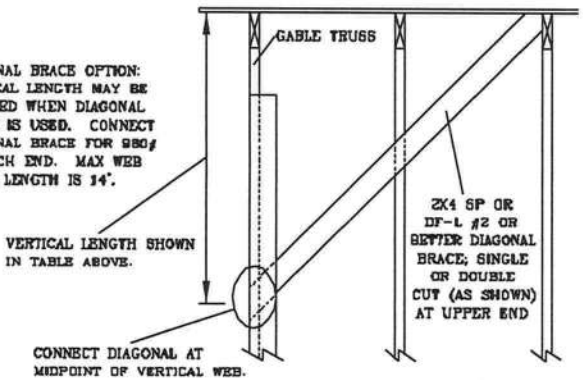
SOUTHERN PINE

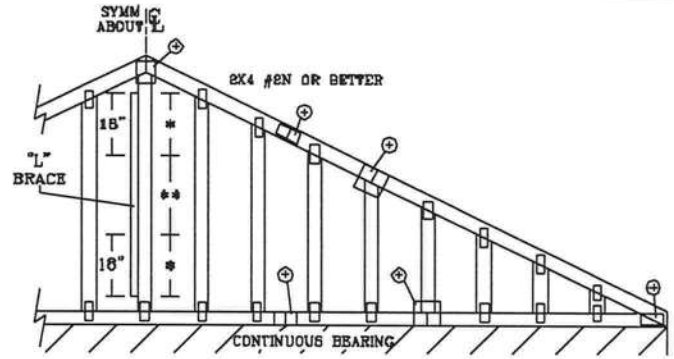
#3
#2

DOUGLAS FIR-LARCH

#1
#2

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





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 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 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' 6"	2X4
GREATER THAN 11' 6"	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"

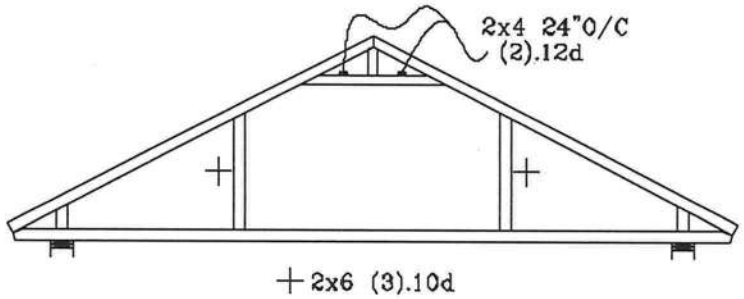
REF ASCE7-02-GAB13030

DATE 11/26/03

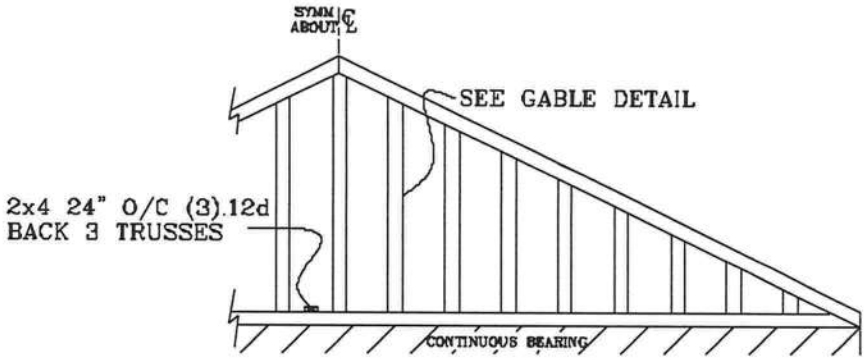
DWG MITEK STD GABLE 30' E H7

-ENG

TYPICAL ATTIC TRUSS BRACING

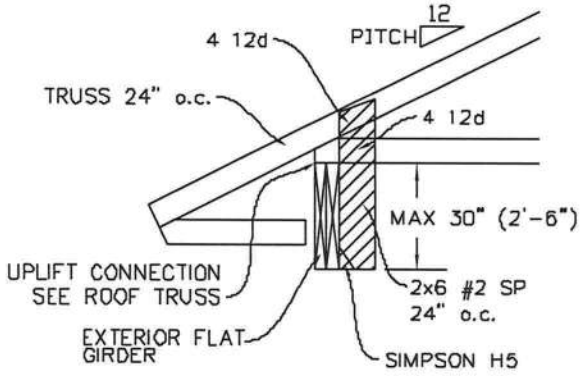


GABLE END TRUSS DETAIL

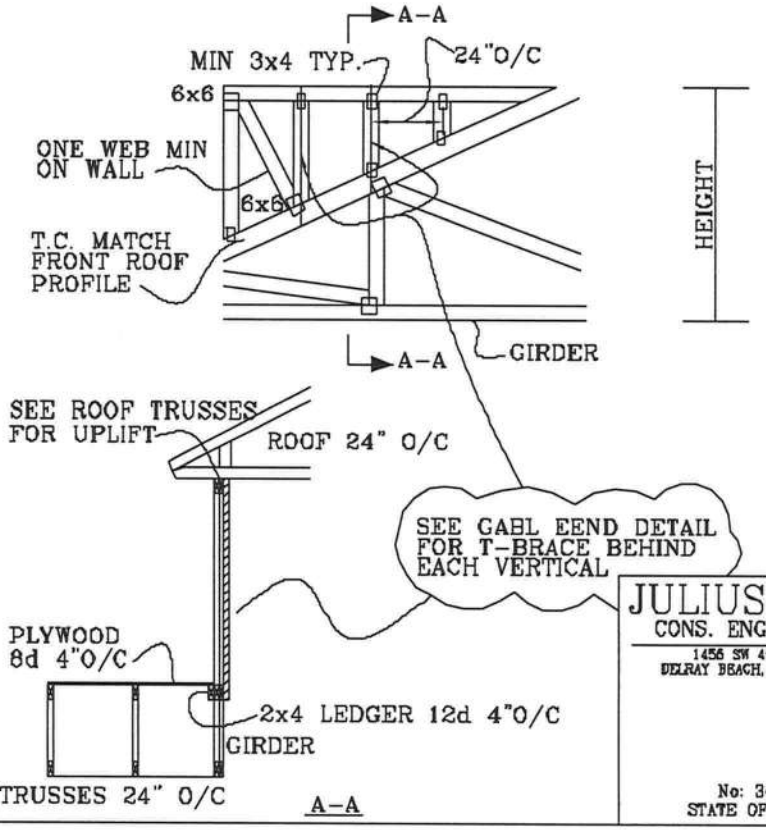


MINIMUN BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



A-A

JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

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

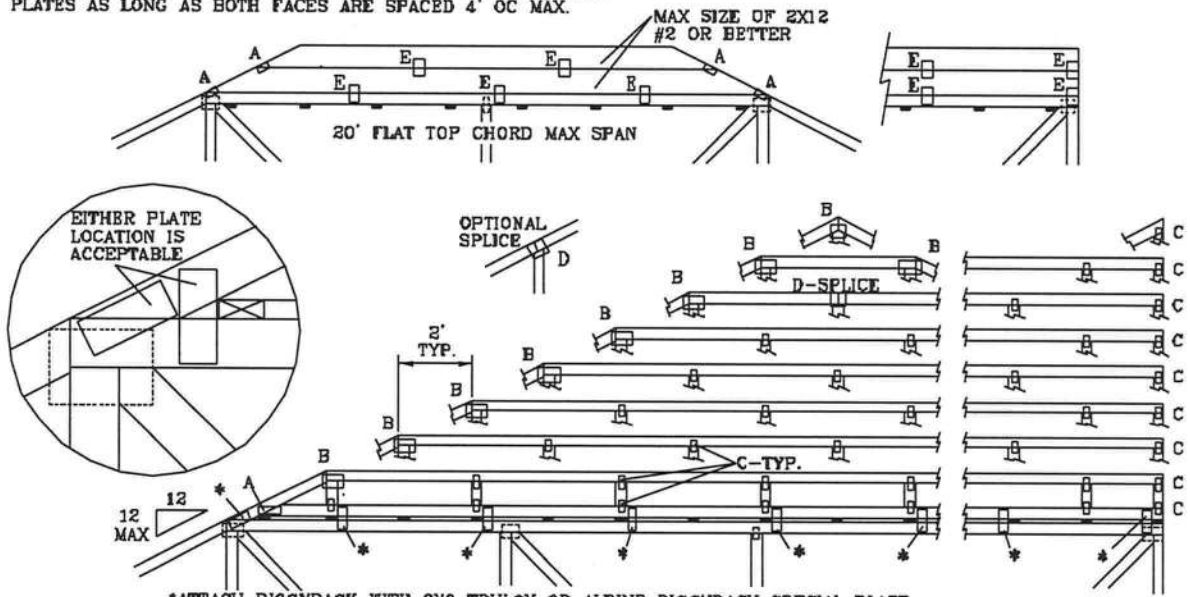
110 MPH WIND, 30' MEAN HGT, FBC
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=5 PSF, WIND BC DL=5 PSF

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 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'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

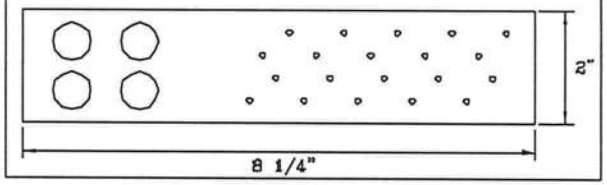
ATTACH TRULOX PLATES WITH (6) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.



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

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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1460 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

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

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".

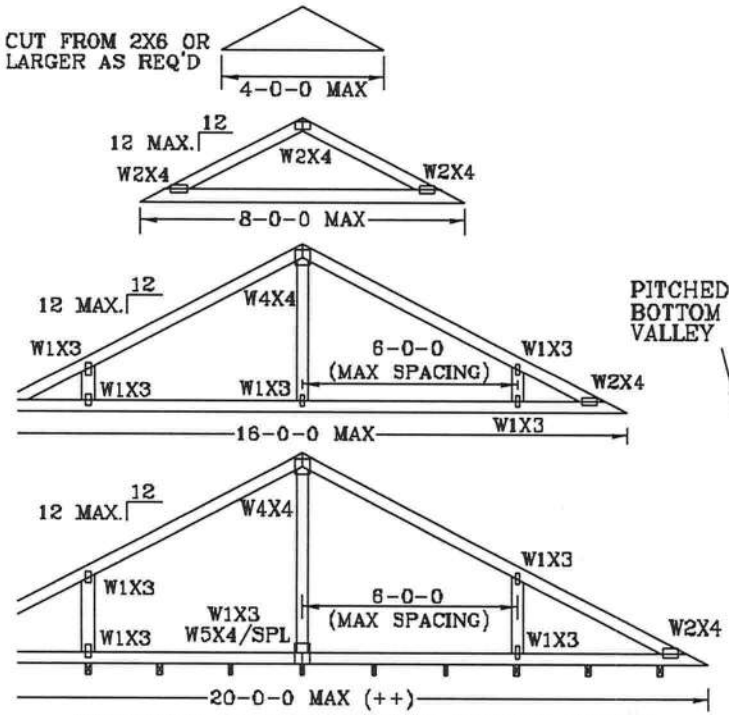
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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.

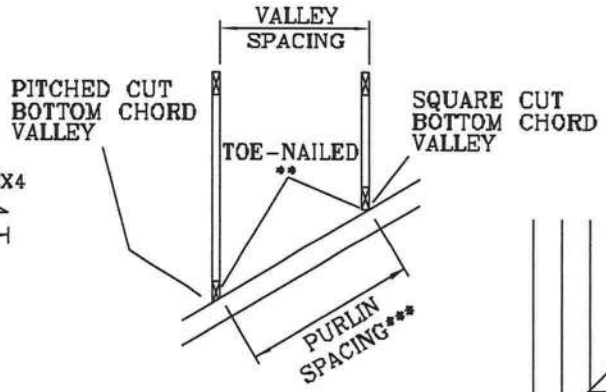
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

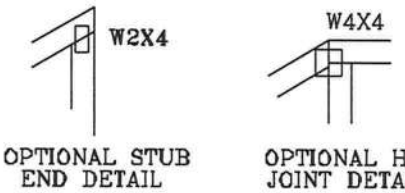
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

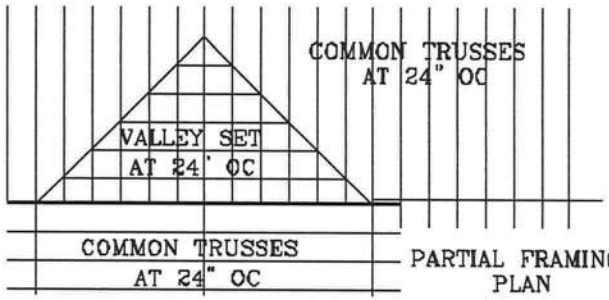
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



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.

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

No: 34869
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"		

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."

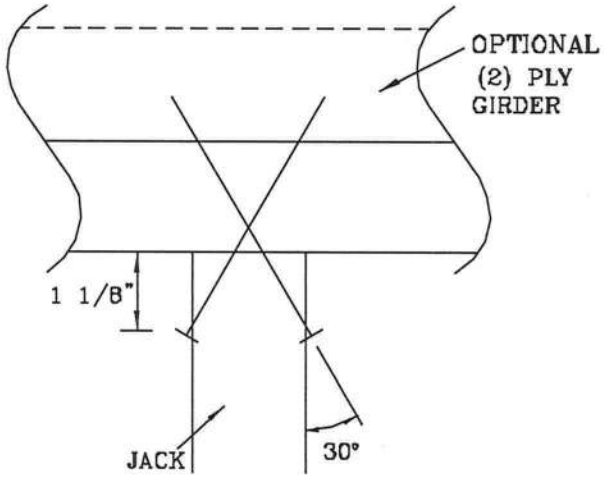
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

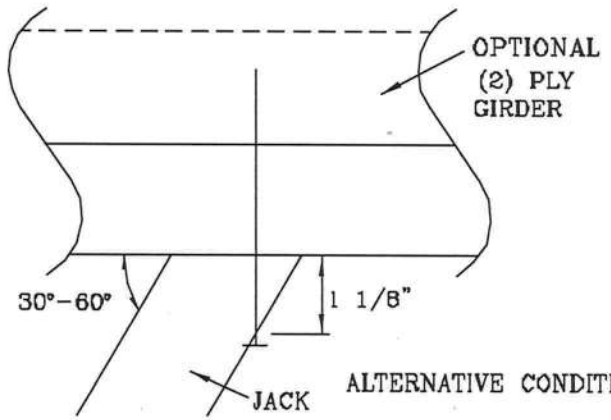
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
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			

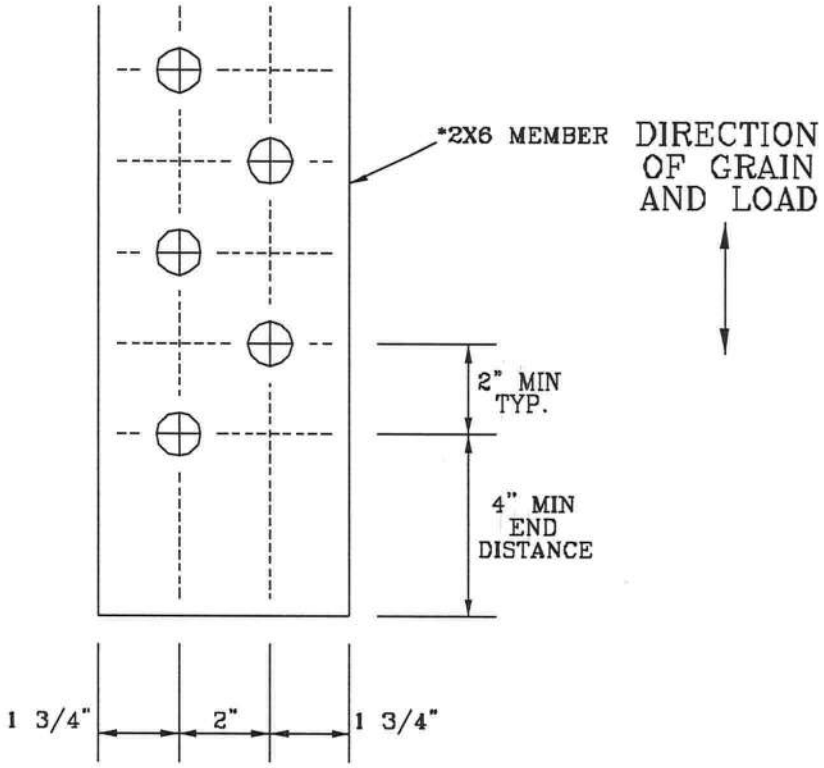
1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.

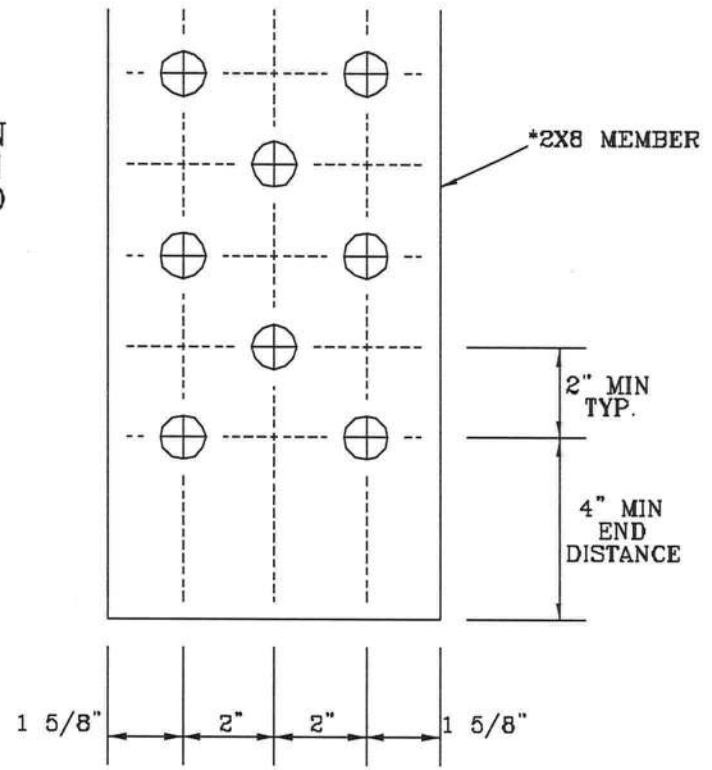
BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

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 (-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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1455 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			

TRULOX CONNECTION DETAIL

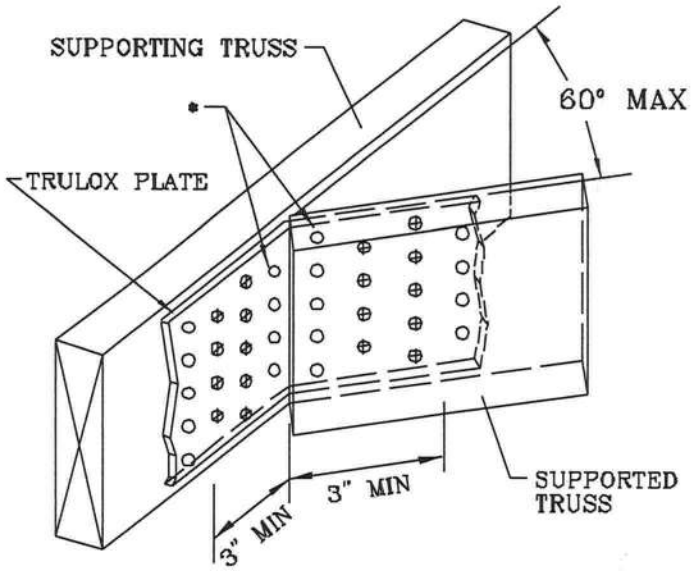
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (⊕).

* NAILS MAY BE OMITTED FROM THESE ROWS.

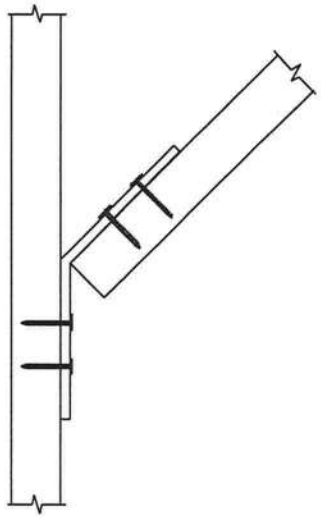
THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

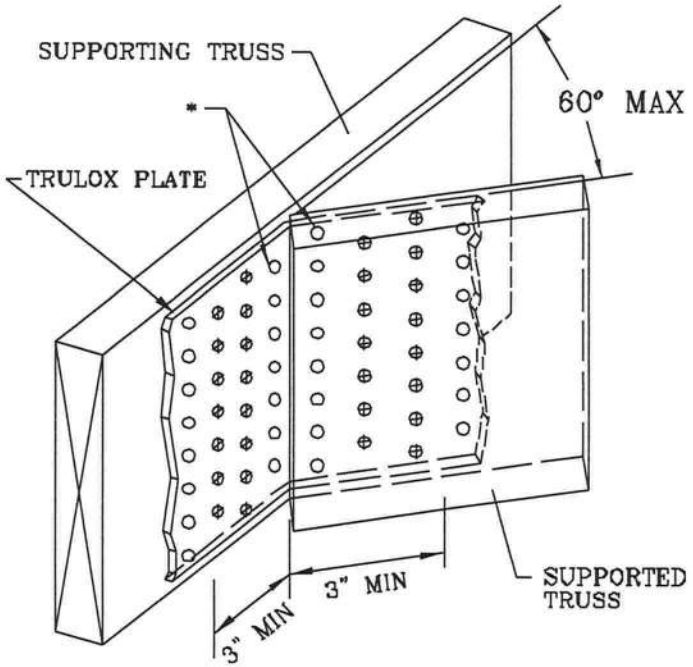
TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.

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



MINIMUM 3X6 TRULOX PLATE





MINIMUM 5X6 TRULOX PLATE

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

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R 1,154,944 1,152,217 1,152,017 1,159,154 & 1,151,524

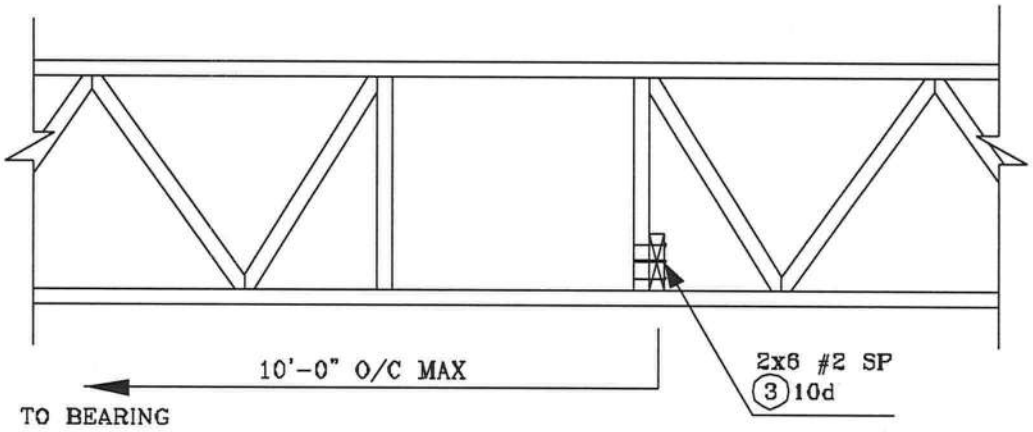
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2361

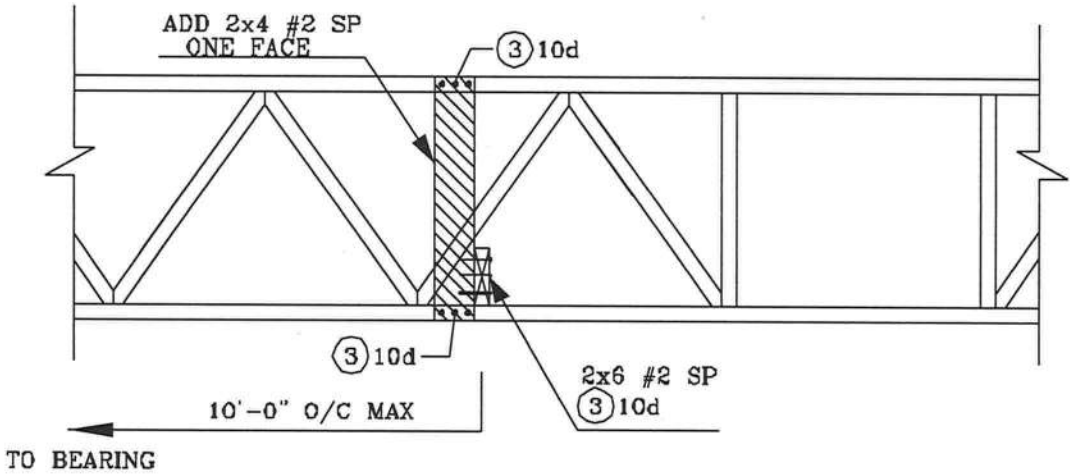
No: 34869
STATE OF FLORIDA

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



JULIUS LEE'S
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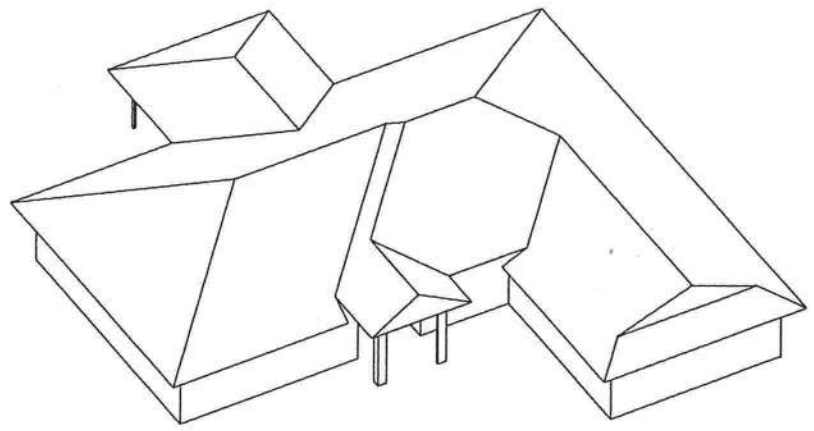
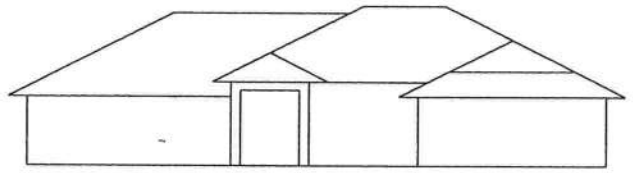
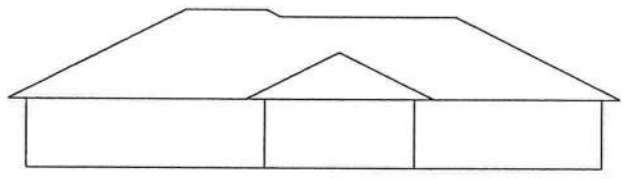
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

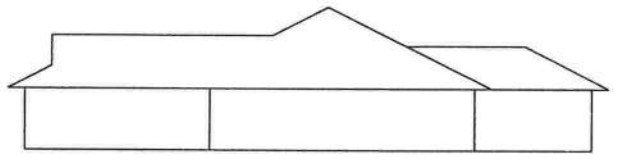
No: 34869
STATE OF FLORIDA

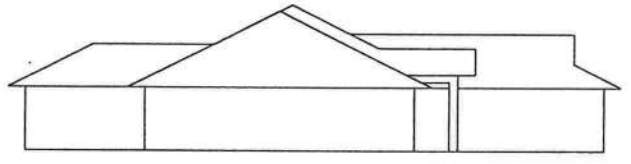
6/12 PITCH - 2'0" O/H

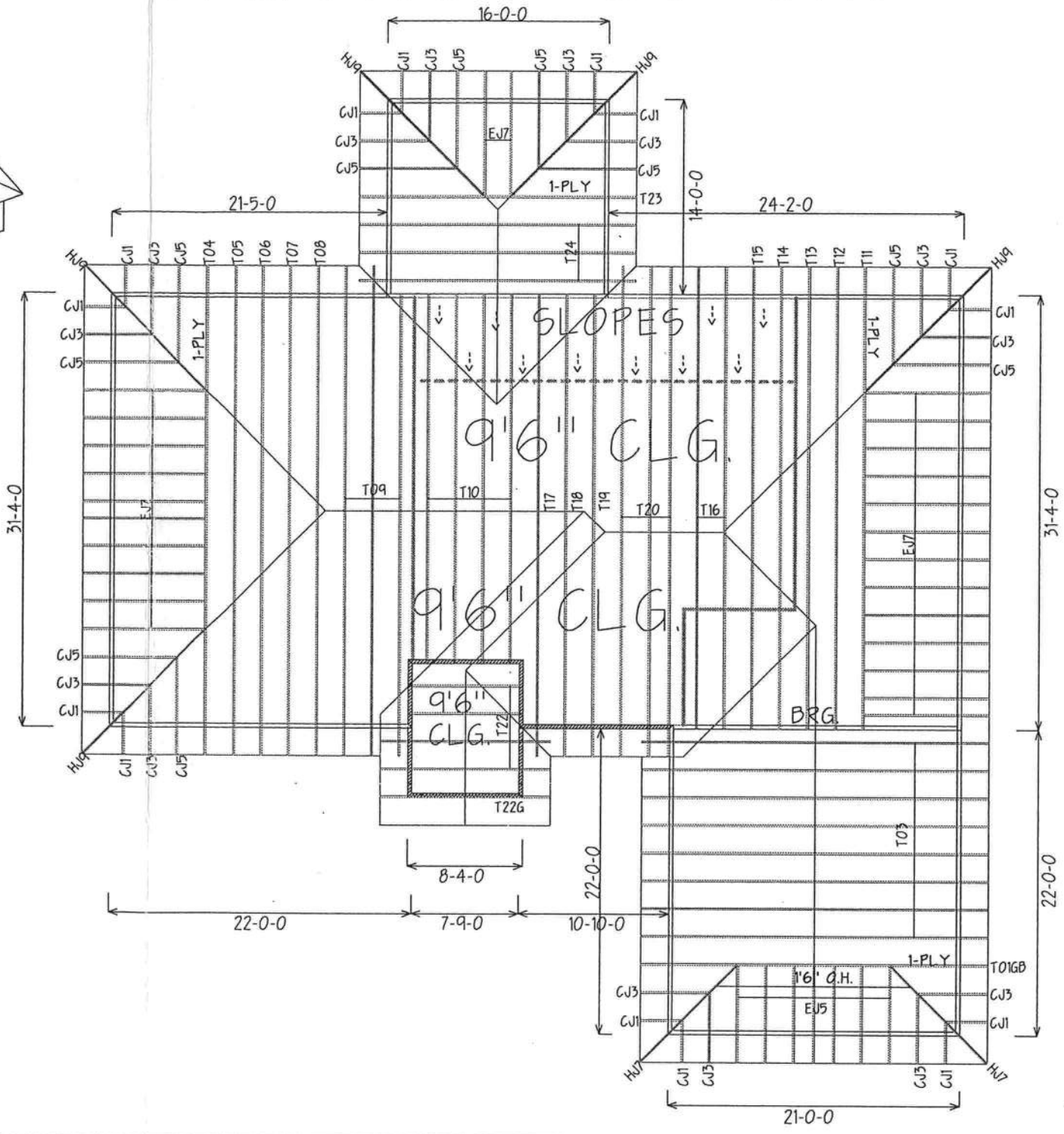












BEARING HEIGHT SCHEDULE

8'-0"

9'-6"

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 V105 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) ST42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HU526 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA42 UNLESS OTHERWISE NOTED.

8) BEAM/HEADER/LINTEL (MBR) 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.

Expected 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: 407-322-5555

BUILDER: GIEBEIG HOMES		
LEGAL ADDRESS: LOT 26 MAYFAIR		
MODEL: ST.JOHNS 4-BDRM		ELEVATION: SCALE: NTS
DATE: 5-22-08	DRAWN BY: K.L.H.	JOB #: L278345