DATE 07/19/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000026040

APPLICANT JACOB KIRSCH PHONE 755-2082

ADDRESS 197 SW WATERFORD COURT LAKE CITY FL 32025

OWNER JAKE AND ANNA ROCHE PHONE

ADDRESS 258 SW HOLLY GLEN LAKE CITY FL 32024

CONTRACTOR COMPASS BUILDERS PHONE 755-2082

LOCATION OF PROPERTY 47S, TL ON WALTER AVE, TL ON LITTLE RD, TR ON HOLLY GLEN, 5TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 92950.00

HEATED FLOOR AREA 1859.00 TOTAL AREA 2856.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 24

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 01-5S-16-03390-015 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 1.17

000001419 Culvert Permit No. | Culvert Waiver | CBC1253775 Contractor's License Number | Applicant/Owner/Contractor

Driveway Connection | 07-435 Septic Tank Number | BK LU & Zoning checked by | JH Approved for Issuance | Y New Resident

COMMENTS: SEC 14.9 SPECIAL FAMILY LOT PERMIT, ONE FOOT ABOVE THE ROAD

Check # or Cash 11273

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 $ 465.00 CERTIFICATION FEE $ 14.28 SURCHARGE FEE $ 14.28

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 568.56

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

For Office Use Only Application # 0706-49 Date Received 6/13 By JIN Permit # 1419/26040
Application Approved by - Zoning Official ajs FBR Date 7/1/07 Plans Examiner OKSTH Date 8-21-07
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Section 14.9 Special Family Lot Permit
NOC EH Deed or PA Site Plan State Road Info Parent Parcel # Development Perm

Name Authorized Person Signing Permit Jacob Kursch/Sue Chipp Fax 386-755-5047 Phone 386-755-2082
Address 197 SW Waterford Crt Suite 105, Lake City, FL 32025
Owners Name Jake and Anna Boche Phone
911 Address 258 SW Holly Glen, Lake City, FL 32024
Contractors Name Compass Builders & Associates Phone 386-755-2082
Address 197 SW Waterford Court Suite 105, Lake City, FL 32025
Fee Simple Owner Name & Address
Bonding Co. Name & Address
Architect/Engineer Name & Address Mark Disosway, Midtown Plaza, Lake City, FL
Mortgage Lenders Name & Address Indy Mac Bank
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energ
Property ID Number 01-5S-16-03390-015 Estimated Cost of Construction 125,000.00
Subdivision Name Winter Dune Lot ___ Block ___ Unit ___ Phase ___
Driving Directions Highway 47 to Southwood Estates, Turn left 90 to SW Little Rd turn left follow to SW Holly Glen, Lot is 1/2 a mile on left. 5th lot on right
Type of Construction Home Number of Existing Dwellings on Property 0
Total Acreage 1.17 Lot Size ___ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv
Actual Distance of Structure from Property Lines - Front 75 Side 35 Side 35 Rear 210
Total Building Height 24 Number of Stories 1 Heated Floor Area 1859 TOTAL 2356 Roof Pitch 8/12

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.

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

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

Owner Builder or Authorized Person

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 24th day of May 2007.
Personally known ✓ or Produced Identification ___

SUSAN E. MORRELL
Notary Public - State of Florida
My Commission Expires Jun 11, 2007
Commission # DD197424
Bonded By National Notary Assn.

Contractor Signature
Contractors License Number CBC125375
Competency Card Number
NOTARY STAMP/SEAL

Notary Signature

(Revised Sept. 2006)

~ TW ADDED

ATN: Weggie

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001419

DATE: 07/19/2007 BUILDING PERMIT NO. 26040

APPLICANT JACOB KIRSCH PHONE 755-2082

ADDRESS 197 SW WATERFORD COURT LAKE CITY FL 32025

OWNER JAKE AND ANNA ROCHE PHONE

ADDRESS 258 SW HOLLY GLEN LAKE CITY FL 32024

CONTRACTOR COMPASS BUILDERS PHONE 755-2082

LOCATION OF PROPERTY 47S, TL ON WALTER AVE, TL ON LITTLE RD, TR ON HOLLY GLEN,

5TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 01-5S-16-03390-015

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: X

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: Privet Rd.

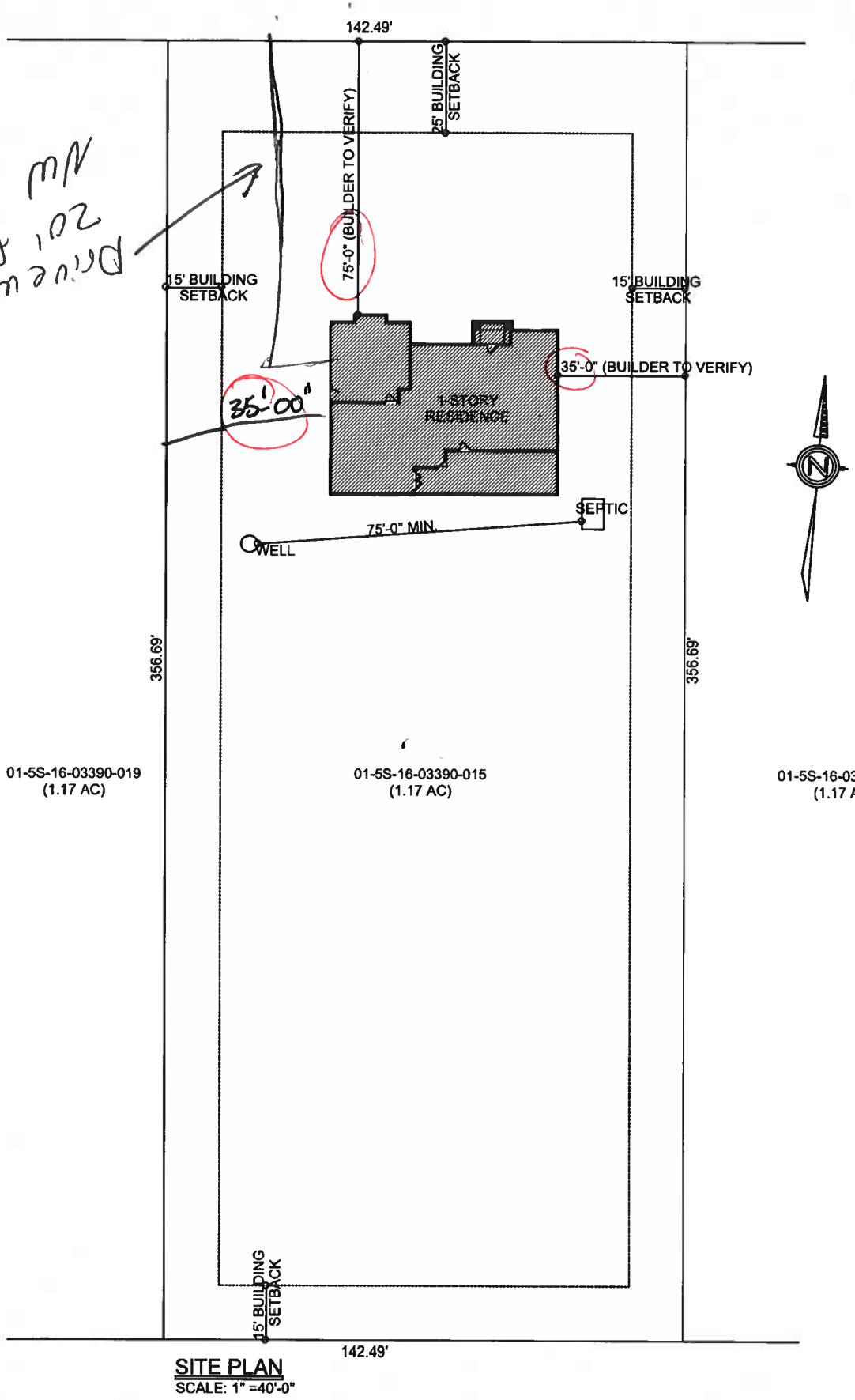
SIGNED: _____ DATE: 7/26/07

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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

RECEIVED
JUL 25 2007
By _____

COLUMBIA COUNTY FLORIDA



Driveway to NW corner

SITE PLAN

SCALE: 1" =40'-0"

JAKE & ANNA ROCHE RESIDENCE

ADDRESS:
01-5S-16-03390-015
COLUMBIA COUNTY
FLORIDA

EVAN BEAMSLEY
P.O. Box 1031
Lake City, Florida 32056
Phone: (386) 623 - 3917
ebeamsley@bellsouth.net

PRINTED DATE: May 23, 2007

DRAWN BY: Evan Beamsley

CHECKED BY:

DESIGNED BY: Evan Beamsley

FINALES DATE: 21 /May / 07

JOB NUMBER: 705105

DRAWING NUMBER: A-0

OF 4 SHEETS

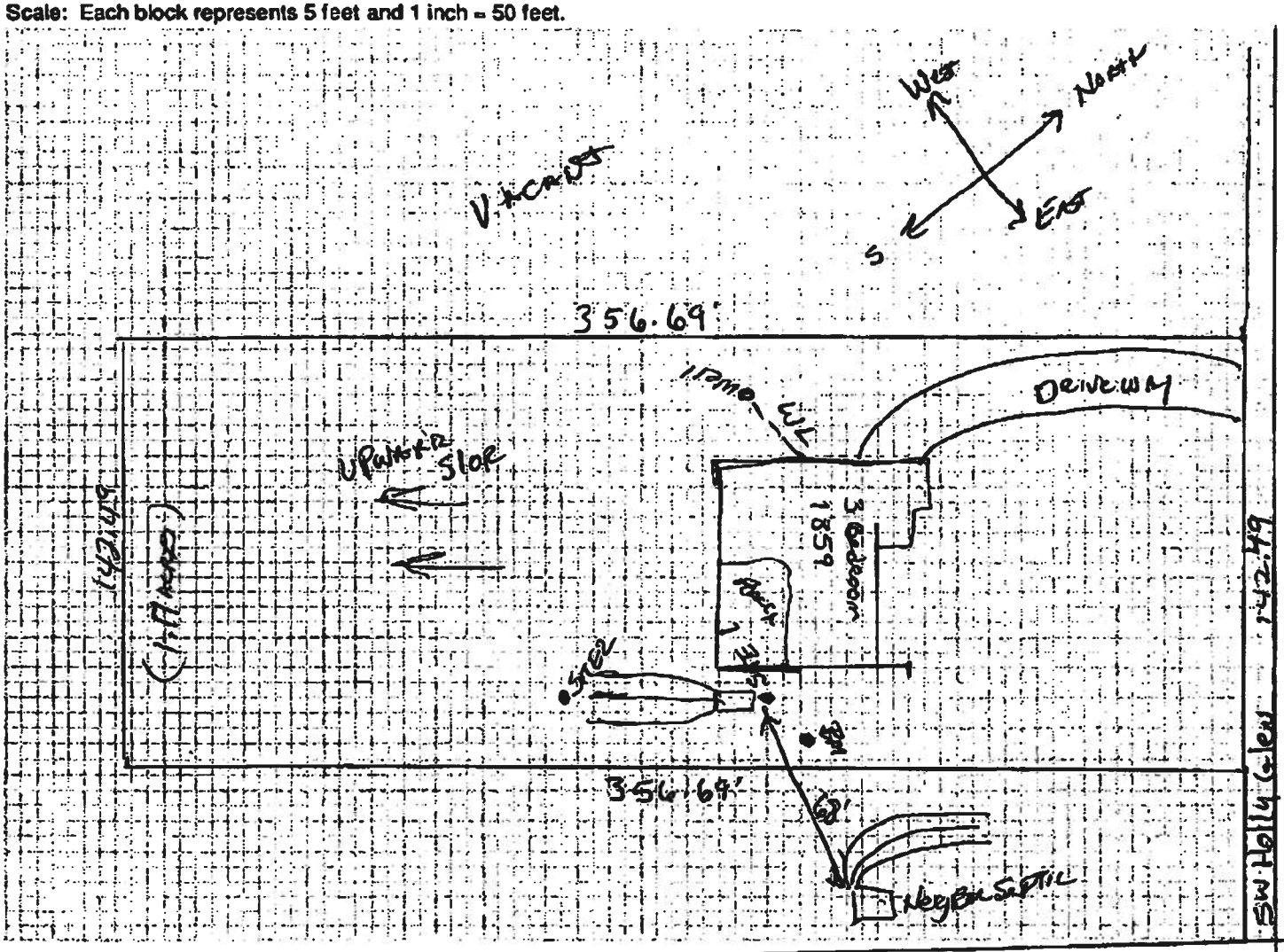
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-435

PART II - SITE PLAN

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



Notes:

Jacob & Anna Roche

01-55-16-03390-015

1.170 Acres

Site Plan submitted by: Robert Mitchell Signature Agent Title

Plan Approved X Not Approved Date 6.5.07

By Sallie Ford EJ11 Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/98 (Replaces HRS-H Form 4015 which may be used)
(Stock Number: 5744-002-4015-6)

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 5/25/2007 **DATE ISSUED:** 5/29/2007

ENHANCED 9-1-1 ADDRESS:

258 SW HOLLY GLN

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

01-5S-16-03390-015

Remarks:

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

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

771

Approved Address

MAY 29 2007

911Addressing/GIS Dept

Prepared by:

Sierra Title, LLC
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

File Number: 06-0143

Inst:200602941 9 Date:12/14/2006 Time:14:26
Doc Stamp-Deed : 119.00
DC,P.DeWitt Cason,Columbia County B:1104 P:2517

General Warranty Deed

Made this November 30, 2006 A.D. By **Nelson Vanderpool and his wife, Margaret Vanderpool**, P.O. Box 3782, Lake City, Florida 32056, hereinafter called the grantor, to **Jacob M. Roche and his wife, Anna J. Roche**, whose post office address is: P.O. Box 2826, Lake City, Florida 32056, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($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:

See Exhibit "A" attached hereto and by this reference made a part hereof.

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Parcel ID Number:

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; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2006.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Printed Name Matthew D. Rocco

Witness Printed Name Lisa Kraus

Nelson Vanderpool (Seal)
Nelson Vanderpool
Address: P.O. Box 3782, Lake City, Florida 32056

Margaret Vanderpool (Seal)
Margaret Vanderpool
Address:

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 30th day of November, 2006, by Nelson Vanderpool and his wife, Margaret Vanderpool, who is/are personally known to me or who has produced a Drivers License as identification.

Notary Public
Print Name:

Notary Public State of Florida
Matthew Rocco
My Commission DD578349
Expires 09/17/2010

My Commission Expires:

DEED Individual Warranty Deed With Non-Homestead-Legal on Face
Closers' Choice

Plant File Number: 06-0732

Inst:200602941 9 Date:12/14/2006 Time:14:26
Doc Stamp-Deed : 119.00
DC,P.DeWitt Cason,Columbia County B:1104 P:2518

EXHIBIT "A"

Commence at the SE corner of the NW 1/4, Section 1, Towaship 5 South, Range 16 East, Columbia County, Florida, and thence run North 01 degrees 41'37" East, along the East line of said NW 1/4, 596.70 feet; thence North 88 degrees 45'17" West, 694.05 feet to the Point of Beginning; thence continue North 88 degrees 45'17" West 142.49 feet; thence South 01 degrees 14'21" West 356.69 feet; thence South 88 degrees 45'17" East 142.49 feet; thence North 01 degrees 14'21" East, 356.69 feet to the Point of Beginning.

Together with a non-exclusive perpetual easement for ingress and egress which shall at all time remain open and unobstructed over and across a strip of land lying 30 feet North of and 30 feet South of a line described as follows:

Commence at the SE Corner of NW 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run N 01 degrees 41'37" East along the East line of said NW 1/4 596.70 feet; thence run North 88 degrees 45'17" West 9.11 feet to the West right of way of SW Little Road and the Point of Beginning of said line; thence run North 88 degrees 45'17" West 827.43 feet to the Point of Termination of said line.

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**RocheJake**	Builder:	**Compass builders**
Address:	**Lot: , Sub: , Plat: 01-5s-16-03390-016**	Permitting Office:	Columbia -
City, State:	**Lake City, FL**	Permit Number:	26040
Owner:	**Jake And Anna Roche**	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: 44.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1859 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 44.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT) 7a.	Description Area (Dble Default) 275.8 ft²		HSPF: 7.90
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 275.8 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 215.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1231.2 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 284.0 ft²	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 2027.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Garage	Sup. R=6.0, 220.0 ft		
b. N/A			

Glass/Floor Area: 0.15 Total as-built points: 24254 Total base points: 27502 **PASS**

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

PREPARED BY: _____

DATE: 5/21/07

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.

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: 01-5s-16-03390-016, 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	1859.0	20.04	6705.8	Double, Clear	N	13.5	9.5	30.0	19.20	0.66	380.7
				Double, Clear	NW	14.0	9.5	10.0	25.97	0.58	150.4
				Double, Clear	N	8.8	7.0	20.0	19.20	0.67	259.1
				Double, Clear	W	40.8	7.5	20.0	38.52	0.37	288.6
				Double, Clear	E	40.8	0.0	5.8	42.06	0.36	87.1
				Double, Clear	N	1.5	7.0	36.0	19.20	0.96	660.1
				Double, Clear	E	1.5	5.0	16.0	42.06	0.87	588.6
				Double, Clear	S	1.5	7.0	45.0	35.87	0.89	1443.8
				Double, Clear	S	1.5	2.0	12.0	35.87	0.57	243.3
				Double, Clear	S	6.0	10.0	18.7	35.87	0.61	411.3
				Double, Clear	S	6.0	2.0	11.3	35.87	0.43	175.1
				Double, Clear	S	0.0	0.0	20.0	35.87	1.00	717.3
				Double, Clear	W	1.5	2.0	4.0	38.52	0.60	92.8
				Double, Clear	W	1.5	6.0	15.0	38.52	0.91	527.8
				Double, Clear	N	13.3	2.0	12.0	19.20	0.59	136.7
				As-Built Total:				**275.8**			**6162.6**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	284.0	0.70	198.8	Frame, Wood, Exterior	13.0	1231.2	1.50	1846.8
Exterior	1231.2	1.70	2093.0	Frame, Wood, Adjacent	13.0	284.0	0.60	170.4
Base Total:	**1515.2**		**2291.8**	**As-Built Total:**		**1515.2**		**2017.2**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	70.0	4.10	287.0
Exterior	70.0	4.10	287.0	Adjacent Insulated	20.0	1.60	32.0
Base Total:	**90.0**		**319.0**	**As-Built Total:**	**90.0**		**319.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1859.0	1.73	3216.1	Under Attic	30.0	2027.0	1.73 X 1.00	3506.7
Base Total:	**1859.0**		**3216.1**	**As-Built Total:**		**2027.0**		**3506.7**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	215.0(p)	-37.0	-7955.0	Slab-On-Grade Edge Insulation	0.0	215.0(p	-41.20	-8858.0
Raised	0.0	0.00	0.0					
Base Total:			**-7955.0**	**As-Built Total:**		**215.0**		**-8858.0**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: 01-5s-16-03390-016, Lake City, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	1859.0	10.21	18980.4				1859.0	10.21		18980.4
Summer Base Points: 23558.1				**Summer As-Built Points:**						**22127.9**
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Cooling Points
				(sys 1: Central Unit 44000 btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Gar(AH),R6.0(INS)						
				22128		1.00 (1.00 x 1.147 x 1.00)	0.263	1.000		6663.4
23558.1		**0.4266**	**10049.9**	**22127.9**		**1.00 1.147**	**0.263**	**1.000**		**6663.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: 01-5s-16-03390-016, 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	1859.0	12.74	4263.1	Double, Clear	N	13.5	9.5	30.0	24.58	1.02	753.7	
				Double, Clear	NW	14.0	9.5	10.0	24.30	1.03	250.3	
				Double, Clear	N	8.8	7.0	20.0	24.58	1.02	501.9	
				Double, Clear	W	40.8	7.5	20.0	20.73	1.24	513.1	
				Double, Clear	E	40.8	0.0	5.8	18.79	1.51	164.2	
				Double, Clear	N	1.5	7.0	36.0	24.58	1.00	886.1	
				Double, Clear	E	1.5	5.0	16.0	18.79	1.05	315.7	
				Double, Clear	S	1.5	7.0	45.0	13.30	1.07	642.6	
				Double, Clear	S	1.5	2.0	12.0	13.30	2.27	361.5	
				Double, Clear	S	6.0	10.0	18.7	13.30	1.90	471.4	
				Double, Clear	S	6.0	2.0	11.3	13.30	3.66	550.0	
				Double, Clear	S	0.0	0.0	20.0	13.30	1.00	265.9	
				Double, Clear	W	1.5	2.0	4.0	20.73	1.13	94.1	
				Double, Clear	W	1.5	6.0	15.0	20.73	1.02	318.2	
				Double, Clear	N	13.3	2.0	12.0	24.58	1.03	303.0	
				As-Built Total:				**275.8**			**6391.7**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	284.0	3.60	1022.4	Frame, Wood, Exterior	13.0	1231.2	3.40	4186.1
Exterior	1231.2	3.70	4555.4	Frame, Wood, Adjacent	13.0	284.0	3.30	937.2
Base Total:	**1515.2**		**5577.8**	**As-Built Total:**		**1515.2**		**5123.3**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	70.0	8.40	588.0
Exterior	70.0	8.40	588.0	Adjacent Insulated	20.0	8.00	160.0
Base Total:	**90.0**		**748.0**	**As-Built Total:**	**90.0**		**748.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	1859.0	2.05	3810.9	Under Attic	30.0	2027.0	2.05 X 1.00	4155.4
Base Total:	**1859.0**		**3810.9**	**As-Built Total:**		**2027.0**		**4155.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	215.0(p)	8.9	1913.5	Slab-On-Grade Edge Insulation	0.0	215.0(p	18.80	4042.0
Raised	0.0	0.00	0.0					
Base Total:			**1913.5**	**As-Built Total:**		**215.0**		**4042.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: 01-5s-16-03390-016, Lake City, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	1859.0	-0.59	-1096.8		1859.0	-0.59	-1096.8			
Winter Base Points:			**15216.5**	**Winter As-Built Points:**						**19363.5**
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 44000 btuh ,EFF(7.9) Ducts:Con(S),Con(R),Gar(AH),R6.0						
15216.5		0.6274	9546.9	19363.5		1.00	1.169	0.432	1.000	9770.7

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: 01-5s-16-03390-016, Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67	1.00	7820.0
				As-Built Total:							**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
10050	**9547**	**7905**	**27502**	**6663**	**9771**	**7820**	**24254**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: , Sub: , Plat: 01-5s-16-03390-016, 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 circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.4

The higher the score, the more efficient the home.

Jake And Anna Roche, Lot: , Sub: , Plat: 01-5s-16-03390-016, Lake City, FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 44.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	1859 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) 275.8 ft²		a. Electric Heat Pump	Cap: 44.0 kBtu/hr
	b. SHGC:				HSPF: 7.90
	(or Clear or Tint DEFAULT) 7b.	(Clear) 275.8 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 215.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1231.2 ft²			EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 284.0 ft²		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, 2027.0 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: Garage	Sup. R=6.0, 220.0 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.

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

April 12, 2007

Columbia County Building Department
P. O. Box 1529
Lake City, Fl. 32056

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, Florida
Planning & Zoning Department

Review of Building Permit for compliance with County's Comprehensive Plan and Land Development Regulations

To: Jacob Kirsch/Sue Chappell **Fax:** 386.752.5047

From : Brian L. Kepner, County Planner **Fax:** 386.758.2160

Number of pages : 3

Date : 27 June 2007

RE: Building Permit Application 0706-49, Jake and Anne Roche

Dear Jacob/Sue:

The above referenced application appears to be a Special Family Lot Permit. The Special Family Lot Affidavit is required, I have attached a copy to this facsimile.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

AFFIDAVIT OF SUBDIVIDED REAL PROPERTY FOR USE OF IMMEDIATE FAMILY MEMBERS FOR PRIMARY RESIDENCE

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

✓ Michael and Eve Stewart, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Jacob and Anna Roche, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as Siblings, and both individuals being first duly sworn according to law, depose and say:

1. Both the Owner and the Family Member have personal knowledge of all matters set forth in this Affidavit.

2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. 01-5S-16-03390-007.

3. The Owner has divided his parent parcel for use of immediate family members for their primary residence and the parcel divided and the remaining parent parcel are at least ½ acre in size. Immediate family is defined as grandparent, parent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 01-5S-16-03390-015.

5. No person or entity other than the Owner and Family Member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the Property.

6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for a family member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations.

7. This Affidavit is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the information contained in this Affidavit are true and correct.

Owner

Michael Stewart
Typed or Printed Name

Family Member

Jacob-
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 27 day of June, 2007, by _____ (Owner) who is personally known to me or has produced personally known as identification.

Notary Public

JACOB C. KIRSCH
MY COMMISSION # DD475233
EXPIRES: Sept. 25, 2009
(407) 398-0153 Florida Notary Service.com

Subscribed and sworn to (or affirmed) before me this 27 day of June, 2007, by _____ (Family Member) who is personally known to me or has produced personally known as identification.

Notary Public

JACOB C. KIRSCH
MY COMMISSION # DD475233
EXPIRES: Sept. 25, 2009
(407) 398-0153 Florida Notary Service.com

751-2160

Permit # 26040

Return To:
Sierra Title
619 SW Baya Dr., #102
Lake City, FL 32025

WHEN RECORDED MAIL TO:
INDYMAC BANK, F. S. B.
3465 EAST FOOTHILL BLVD
PASADENA, CA 91107

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By: D.C.
Date: 7-24-07

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

Loan #: 126331425-PERM
Order #: 070047
PARCEL I.D.#: 01-5S-16-03390-015
#07-0047

Inst:200712016541 Date:7/24/2007 Time:2:34 PM
DC,P.DeWitt Cason ,Columbia County Page 1 of 4

(Space Above This Line for Recording Data)

Permit No. _____ Tax Folio No. _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with Chapter 713.13, Florida Statutes, the following information is provided in this Notice of Commencement. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recordation hereof.

1. The Property is described as follows:
   SEE EXHIBIT A ATTACHED HERETO
2. The street address:
   SW Holly Glenn
   Lake City, FL 32024
3. General Description of the Improvements:
   Construction of home.
4. Name and Address of the Owner of the Real Property:
   Jacob Roche and Anna Roche
   304 SW Kirby Ave.
   Lake City, FL 32024

   whose interest in the improvements is: Fee Simple
5. Name and Address of fee simple titleholder (if other than Owner):

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this July 19, 2007,
by Jacob Roche & Anna Roche of _____
a _____, ~~on behalf of the~~ _____. He/she is personally known
to me or has produced FL DL (state) driver's license no. _____
as identification.

My Commission Expires:

_____
Notary Public (Signature)

(AFFIX NOTARY SEAL)

_____
(Name)

Notary Public State of Florida
Matthew Rocco
My Commission DD578349
Expires 09/17/2010

_____
(Title or Rank)

_____
(Serial Number, if any)

6. Name and Address of Contractor:
Compass Builders & Associates Corp., 197 SW Waterford Ct., #105, Lake City, FL 32025

7. Name and Address of surety, under Section 713.23, if any, and amount of bond:
A copy of the bond is attached hereto as Exhibit B and made a part hereof.

8. Name and Address of Construction Lender:
INDYMAC BANK, F. S. B.,
a federally chartered savings bank
3465 EAST FOOTHILL BLVD
PASADENA, CA 91107

9. Name and Address of persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes:

INDYMAC BANK, F. S. B.,
a federally chartered savings bank
3465 EAST FOOTHILL BLVD
PASADENA, CA 91107

(a) In addition to himself, owner designates the following to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:

_____

_____

10. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified):

The recording of this Notice of Commencement does not constitute a lien, cloud or encumbrance on the described real property, but gives constructive notice that claims of lien may be filed under Chapter 713 of the Florida Statutes.

SIGNED IN THE PRESENCE OF:

Jack Rock
Anna G Rocho : a

_____ By: _____ , a

_____
(Printed Name)

_____ By: _____ , a

_____ Name: _____
(Printed Name)

Title: _____

Post Office Address:

_____

_____

File No. 07-0047/Roche

Exhibit A
Legal Description

Commence at the SE corner of the NW¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida. and thence run North 01° 41' 37" East, along the East line of said NW ¼, 596.70 feet; thence North 88° 45' 17" West, 694.05 feet to the Point of Beginning; thence continue North 88° 45' 17" West, 142.49 feet; thence South 01° 14' 21" West, 356.69 feet; thence South 88° 45' 17" East, 142.49 feet; thence North 01° 14' 21" East, 356.69 feet to the Point of Beginning.

Together with a non-exclusive perpetual easement for ingress and egress which shall at all time remain open and unobstructed over and across a strip of land lying 30 feet North and 30 feet South of a line described as follows:

Commence at the SE Corner of NW¼, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run N 01° 41' 37" East along the East line of said NW¼, 596.70 feet; thence run North 88° 45' 17" West, 9.11 feet to the West right-of-way of SW Little Road and the Point of Beginning of said line; thence run North 88° 45' 17" West, 827.43 feet to the Point of Termination of said line.

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 01-5S-16-03390-015 **Building permit No.** 000026040

Use Classification SFD,UTILITY **Fire:** 57.78

Permit Holder COMPASS BUILDERS **Waste:** 150.75

Owner of Building JAKE AND ANNA ROCHE **Total:** 208.53

Location: 258 SW HOLLY GLEN, LAKE CITY, FL

Date: 01/28/2008

Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    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**

PRODUCT APPROVAL SPECIFICATION SHEET

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

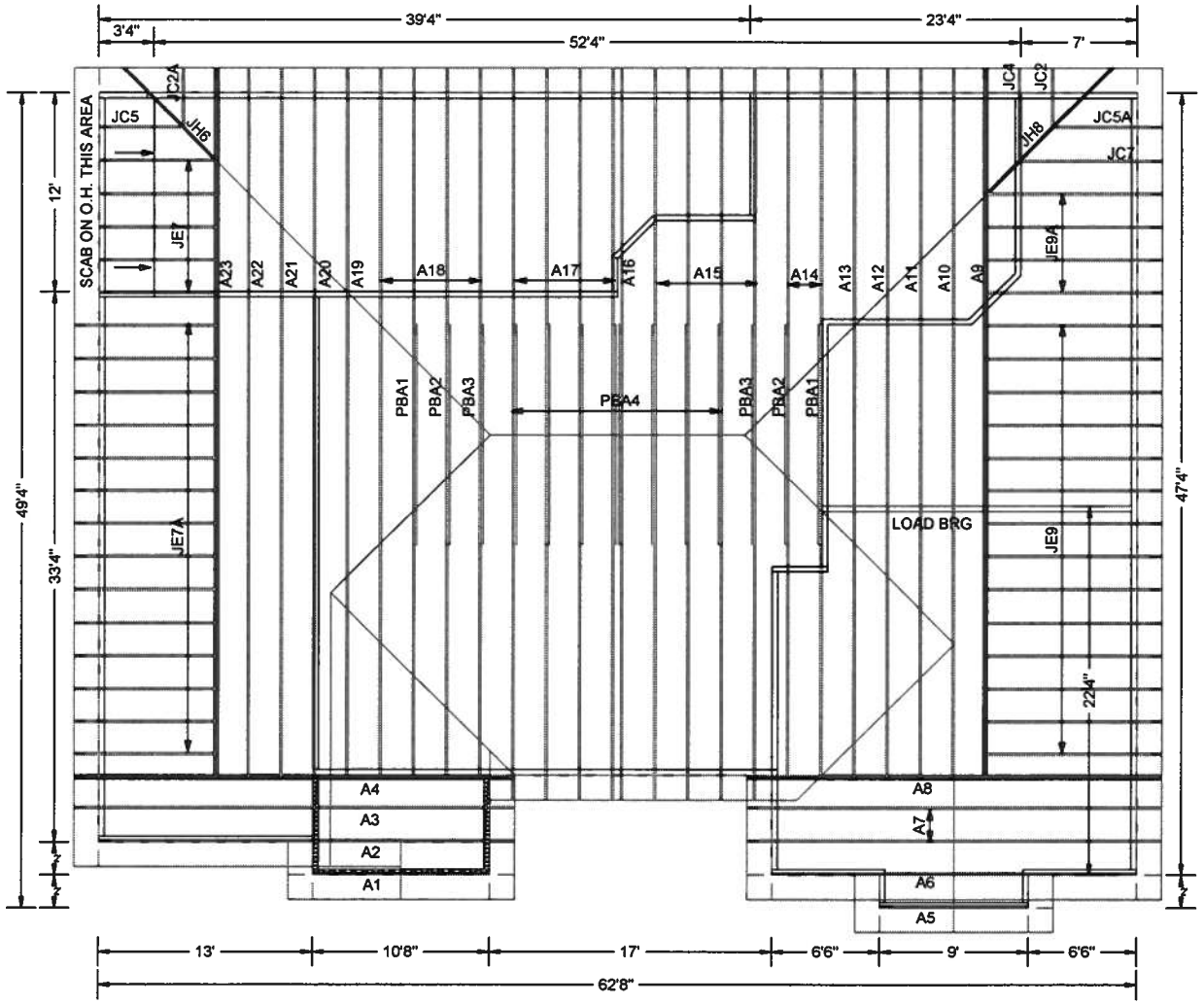
Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Jeld-Wen	Exterior Swinging door	FL-498-R1
B. SLIDING			
C. SECTIONAL/ROLL UP	Raynor	Raynor	FL-4867
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	ME-Products	Single Hung Window	FL-5708
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Hardi Plank Siding	FL-889-R1
B. SOFFITS	Kaylan	Aluminum Soffit	FL-4957
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Elk Roofing	Asphalt shingles	FL-586-R2
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson Strong tie	Truss Straps	FL-474-R1
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

Jason Reid
APPLICANT SIGNATURE

6/13/07
DATE

R-1305 01-04



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH:	8/12
CLG PITCH:	8/12
OVERHANG:	1'6" PLUMB CUT
LOADING:	40 PSF T.L./SHINGLE
WIND LOAD:	110 MPH/ENCLOSED
EXT WALLS:	2x4 FRAMING
DATE:	4-27-07

Job Name: Roche Residence
Customer: Compass Builders
Designer: Chris McCall

JOB NO:
4531

PAGE NO:
1 OF 1

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T6V215-Z0127131313

Truss Fabricator:	W.B. Howland
Job Identification:	4531-/Roche Residence /Compass Builders -- LAKE CITY, FL
Truss Count:	39
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.25.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 04/27/2007

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

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
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: A11015EE-GBLLETIN-BRCLBSUB-

#	Ref Description	Drawing#	Date
1	91774--A1	07117049	04/27/07
2	91775--A2	07117060	04/27/07
3	91776--A3	07117061	04/27/07
4	91777--A4	07117062	04/27/07
5	91778--A5	07117050	04/27/07
6	91779--A6	07117063	04/27/07
7	91780--A7	07117051	04/27/07
8	91781--A8	07117064	04/27/07
9	91782--A9	07117065	04/27/07
10	91783--A10	07117066	04/27/07
11	91784--A11	07117067	04/27/07
12	91785--A12	07117068	04/27/07
13	91786--A13	07117069	04/27/07
14	91787--A14	07117070	04/27/07
15	91788--A15	07117071	04/27/07
16	91789--A16	07117072	04/27/07
17	91790--A17	07117073	04/27/07
18	91791--A18	07117074	04/27/07
19	91792--A19	07117075	04/27/07
20	91793--A20	07117076	04/27/07
21	91794--A21	07117077	04/27/07
22	91795--A22	07117078	04/27/07
23	91796--A23	07117079	04/27/07
24	91797--JC2	07117052	04/27/07
25	91798--JC2A	07117053	04/27/07
26	91799--JC4	07117054	04/27/07
27	91800--JC5	07117080	04/27/07
28	91801--JC5A	07117055	04/27/07
29	91802--JC7	07117056	04/27/07
30	91803--JE7	07117081	04/27/07
31	91804--JE7A	07117057	04/27/07
32	91805--JE9	07117058	04/27/07
33	91806--JE9A	07117059	04/27/07
34	91807--JH6	07117082	04/27/07
35	91808--JH8	07117083	04/27/07
36	91809--PBA1	07117084	04/27/07
37	91810--PBA2	07117085	04/27/07
38	91811--PBA3	07117086	04/27/07
39	91812--PBA4	07117087	04/27/07

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - A1)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

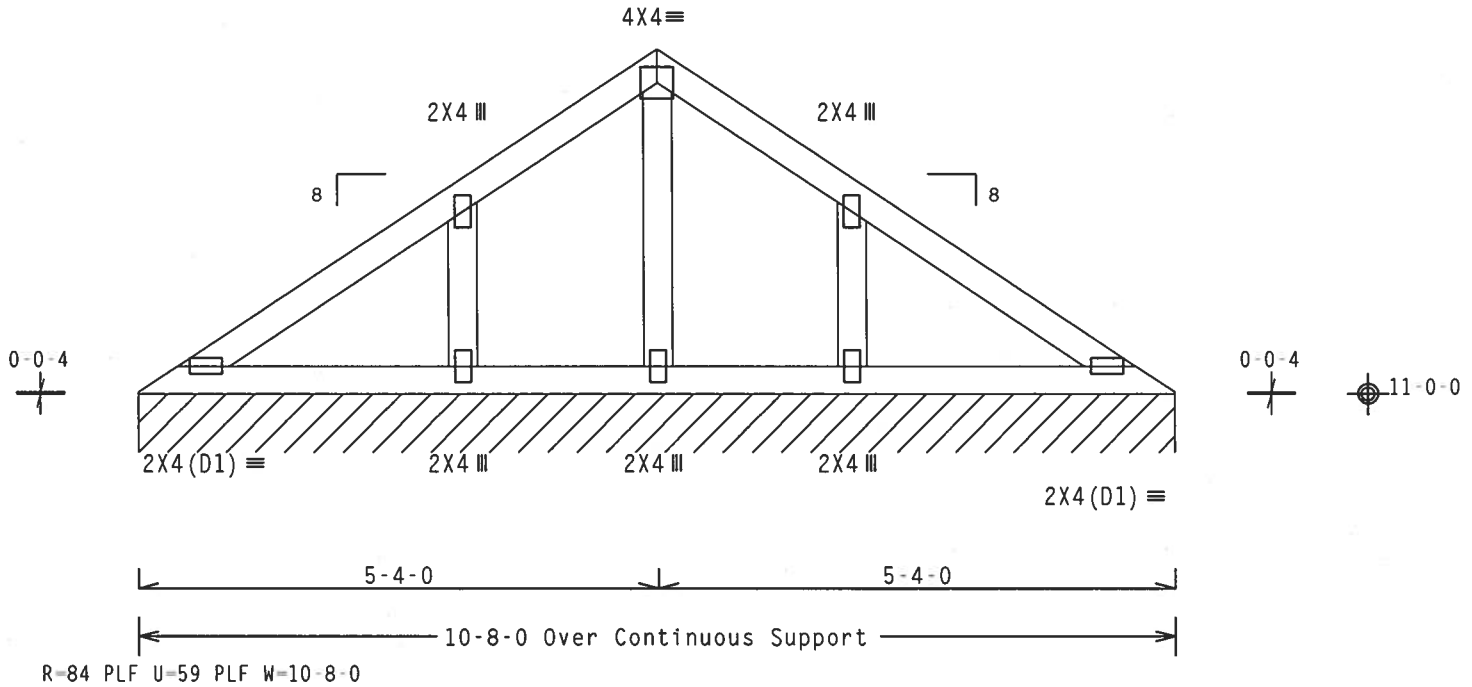
See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

Deflection meets L/240 live and L/180 total load.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

The overall height of this truss excluding overhang is 3-6-15.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91774
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117049
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155763
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

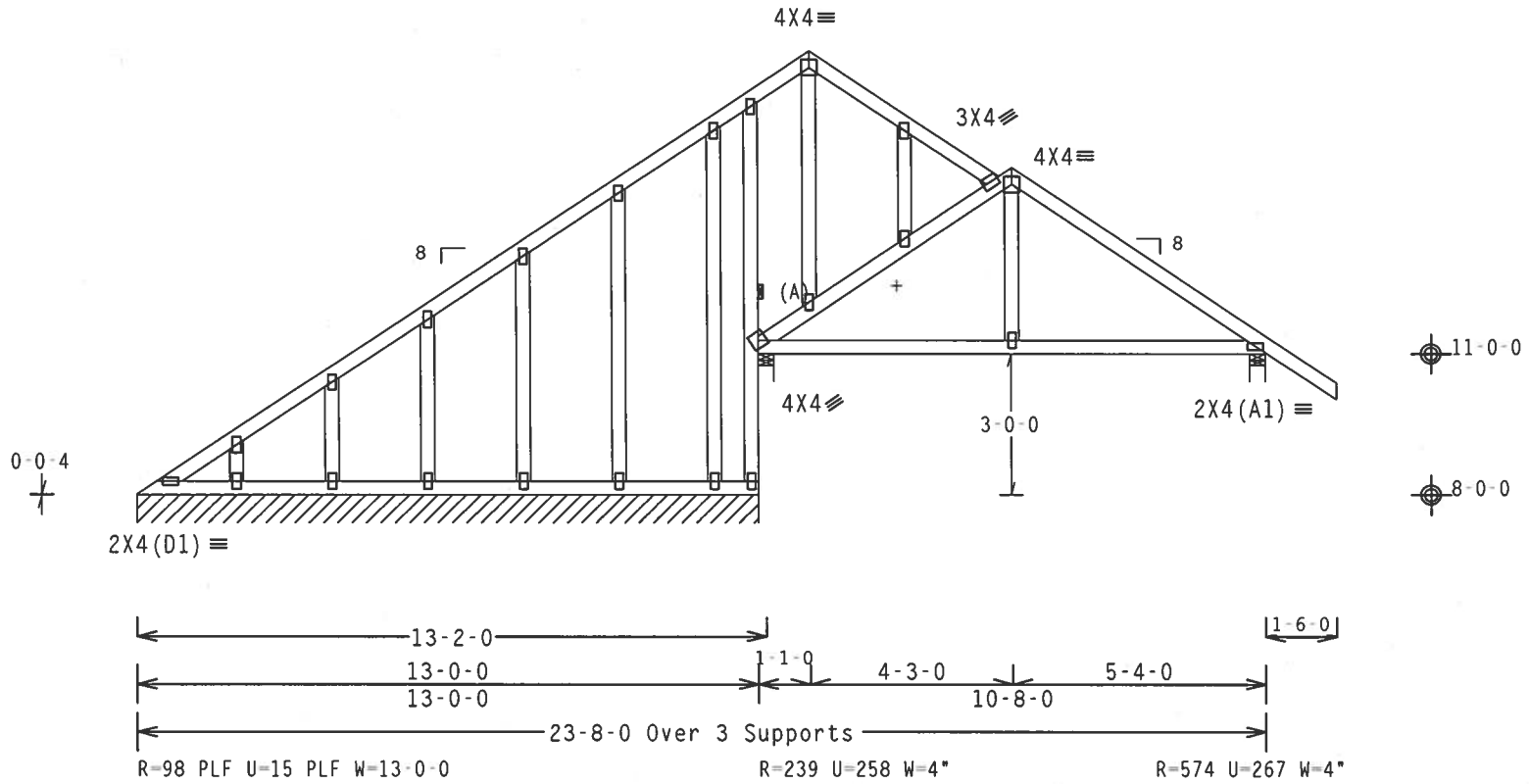
+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

SEE DWGS A11015EC0405, GBLBRSTD1106, & GBLLETIN1106 FOR ADDITIONAL REQUIREMENTS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

The overall height of this truss excluding overhang is 9-4-15.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ap

TC LL	20.0 PSF	REF	R215-- 91775
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117060
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155760
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - A3)

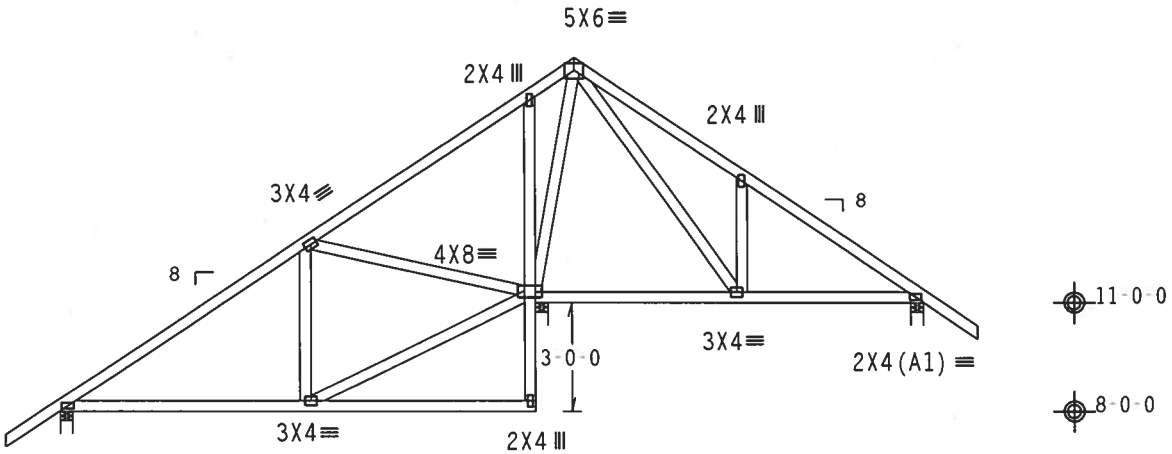
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

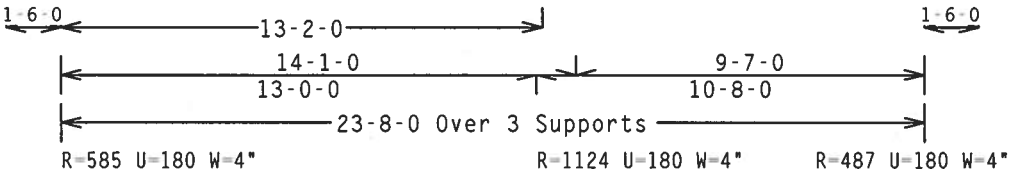
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 9-9-2.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) | 7.25.0503 | QTY:1 | FL/-/5/-/-/R/F | Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52214 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 '07

TC LL	20.0 PSF	REF	R215-- 91776
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117061
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155778
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x6 SP #2 N :B2 2x4 SP #2 N:
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 14.08
TC - From 64 PLF at 14.08 to 64 PLF at 25.17
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.00
BC - From 20 PLF at 13.00 to 20 PLF at 23.67
BC - From 5 PLF at 23.67 to 5 PLF at 25.17
PLB- 1493 LB Conc. Load at (7.12,8.04)
PLB- 1121 LB Conc. Load at (9.06,8.04)
PLB- 1136 LB Conc. Load at (11.06,8.04)

The overall height of this truss excluding overhang is 9-9-2.

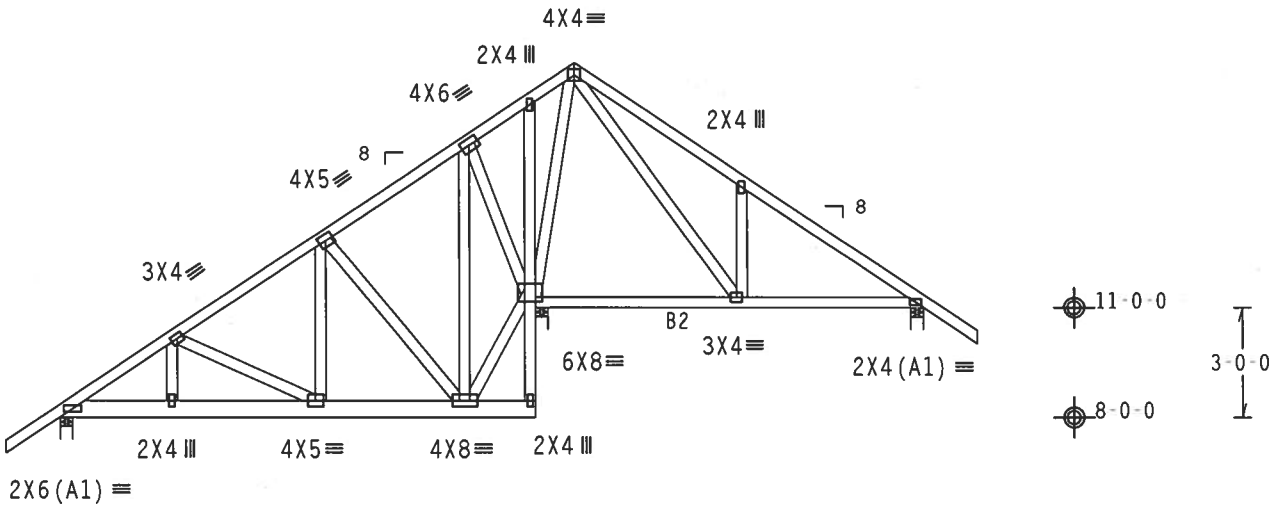
2 COMPLETE TRUSSES REQUIRED

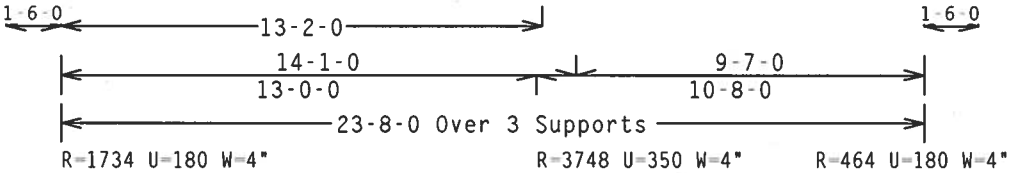
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 9.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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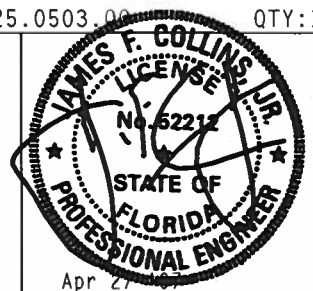

TC LL	20.0 PSF	REF	R215-- 91777
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117062
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155843
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

Deflection meets L/240 live and L/180 total load.

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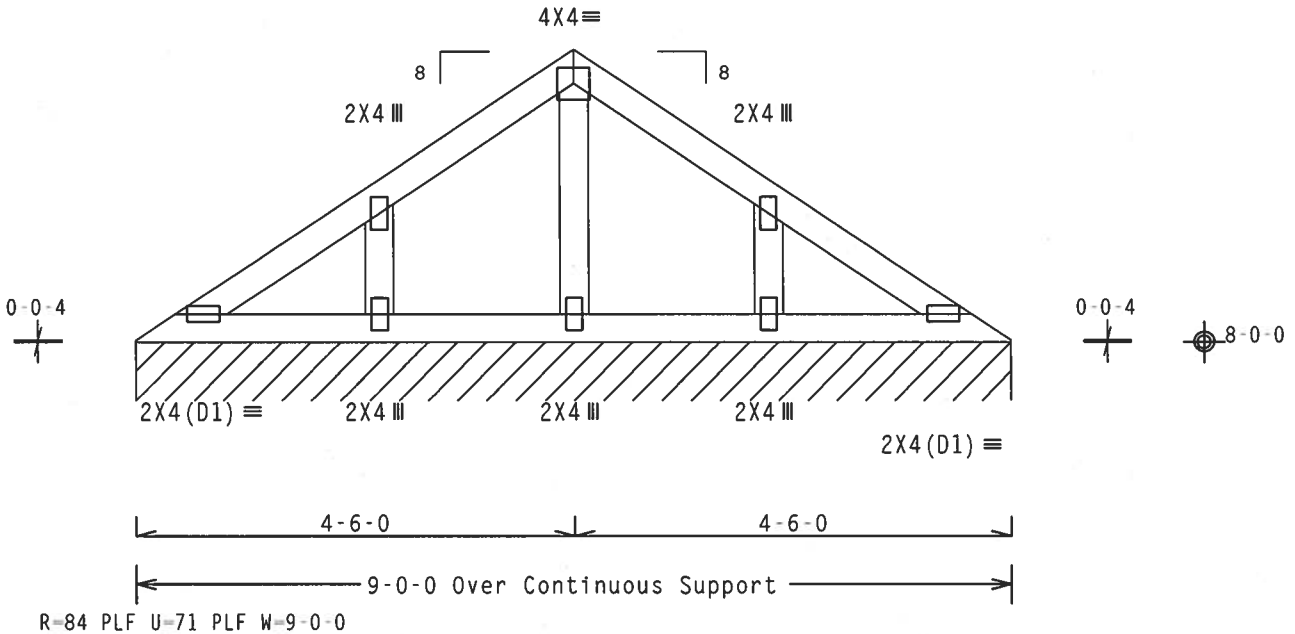
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

The overall height of this truss excluding overhang is 3-0-4.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 | QTY:1 | FL/-/5/-/-/R/F | Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
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FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 2[illegible]

TC LL	20.0 PSF	REF	R215-- 91778
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117050
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155766
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

The overall height of this truss excluding overhang is 7-4-4.

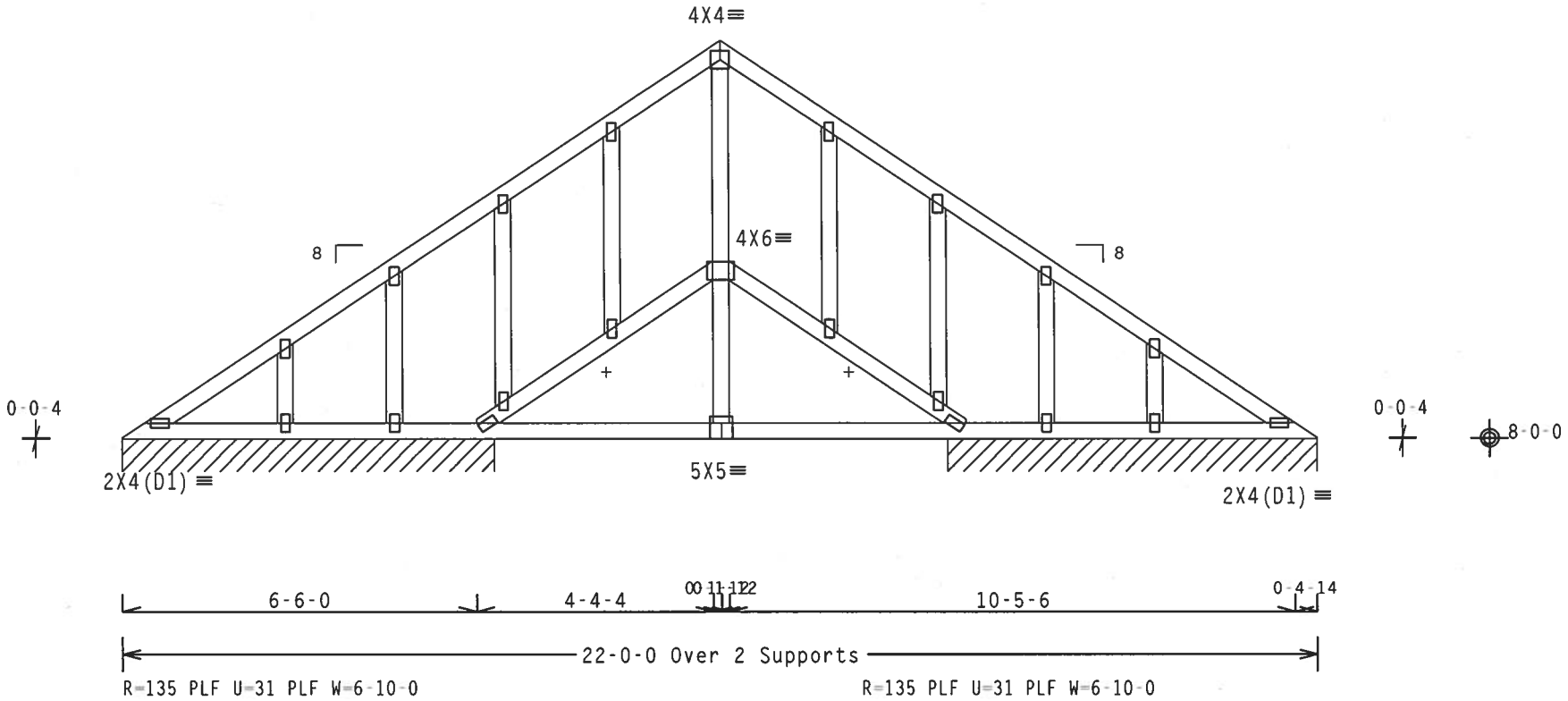
+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Gable end supports 8" max rake overhang.

Deflection meets L/240 live and L/180 total load.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLEMAN JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91779
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117063
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155771
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - A7)

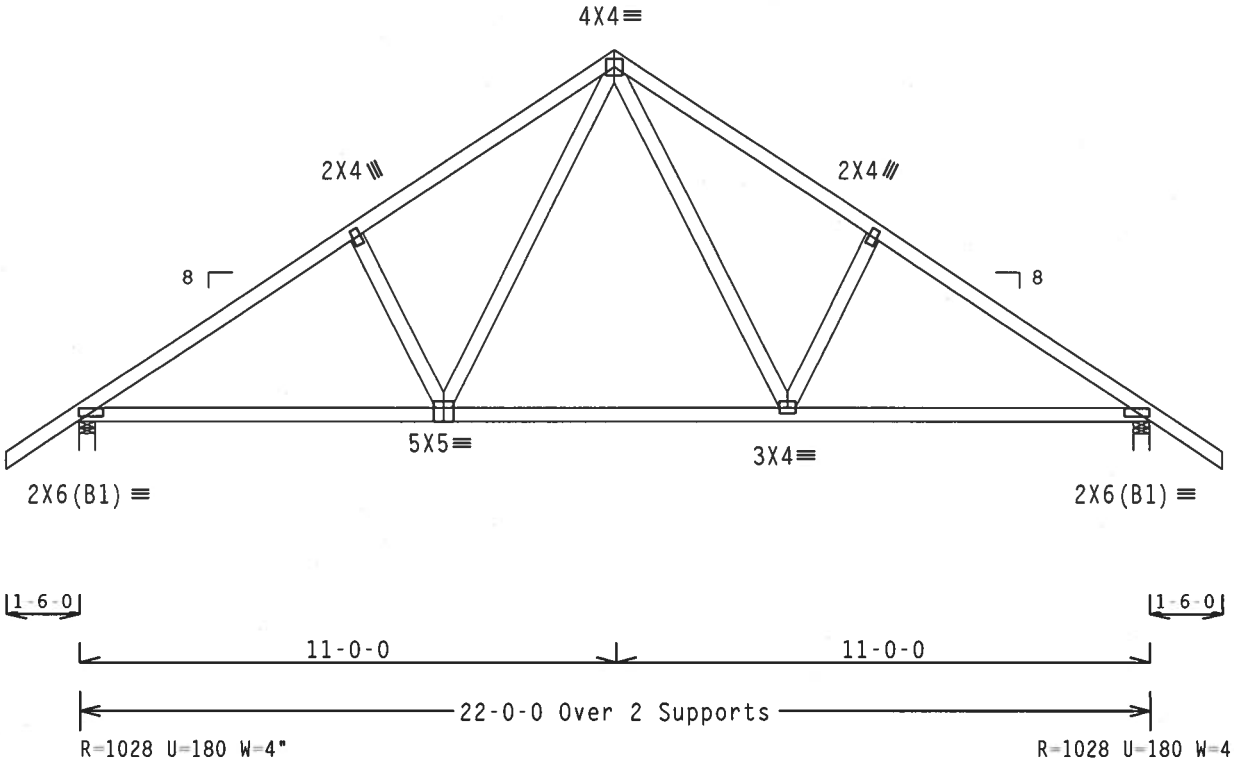
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 7-8-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 | QTY:1 | FL/-/5/-/-/R/F | Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr

TC LL	20.0 PSF	REF	R215-- 91780
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117051
BC LL	0.0 PSF		HC-ENG EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155775
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x6 SP #2 Dense :B2 2x6 SP #2 N:
Webs 2x4 SP #2 N

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 11.00
TC - From 64 PLF at 11.00 to 64 PLF at 23.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.00
BC - From 5 PLF at 22.00 to 5 PLF at 23.50
BC - 1728 LB Conc. Load at 0.94, 2.94
BC - 417 LB Conc. Load at 4.94, 10.94
BC - 409 LB Conc. Load at 6.94
BC - 394 LB Conc. Load at 8.94
BC - 644 LB Conc. Load at 12.87

The overall height of this truss excluding overhang is 7-8-7.

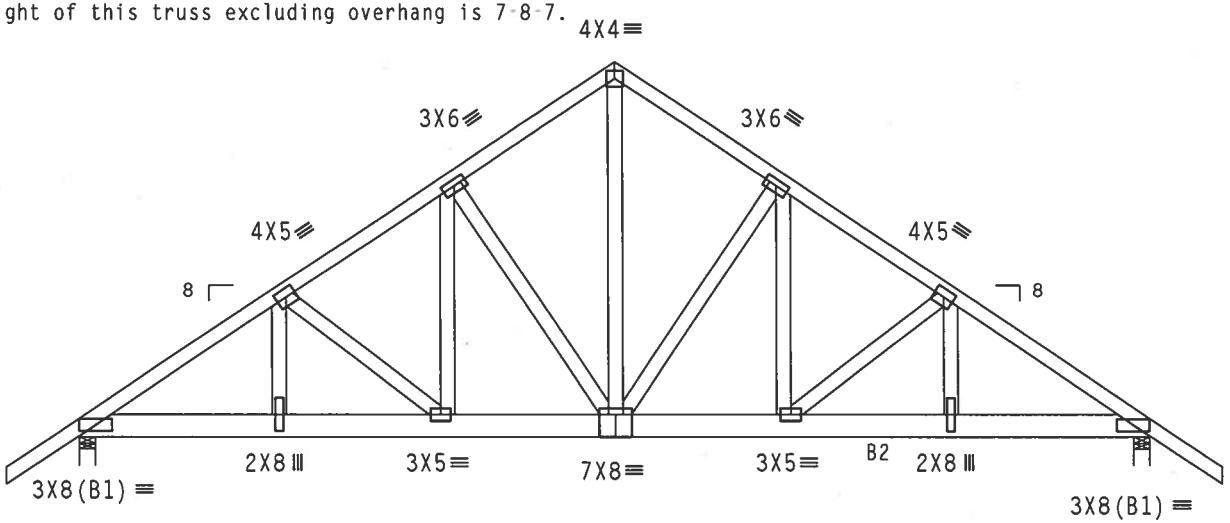
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @ 6.00" o.c.
Bot Chord: 1 Row @ 5.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.0 QTY:1 FL/-/5/-/-/R/F Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91781
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117064
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155978
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x6 SP #2 N :T1 2x4 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

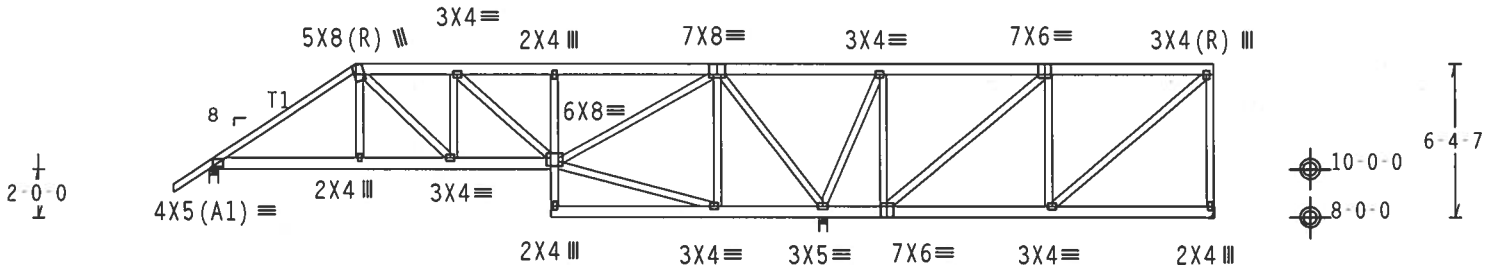
2 COMPLETE TRUSSES REQUIRED

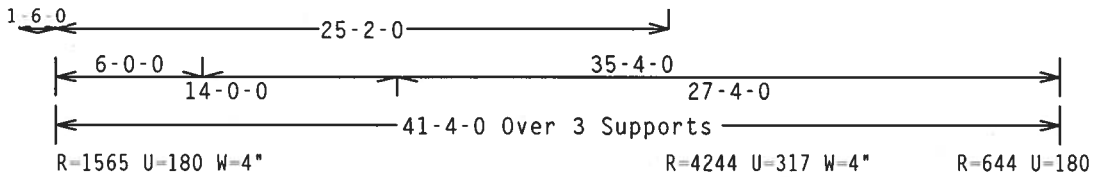
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

#1 hip supports 6-0-0 jacks with no webs.

The overall height of this truss excluding overhang is 4-4-7.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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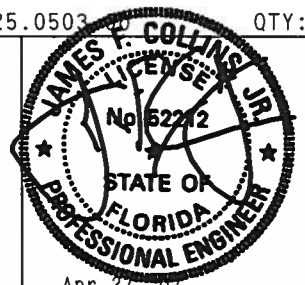


Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91782
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117065
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155825
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - A10)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

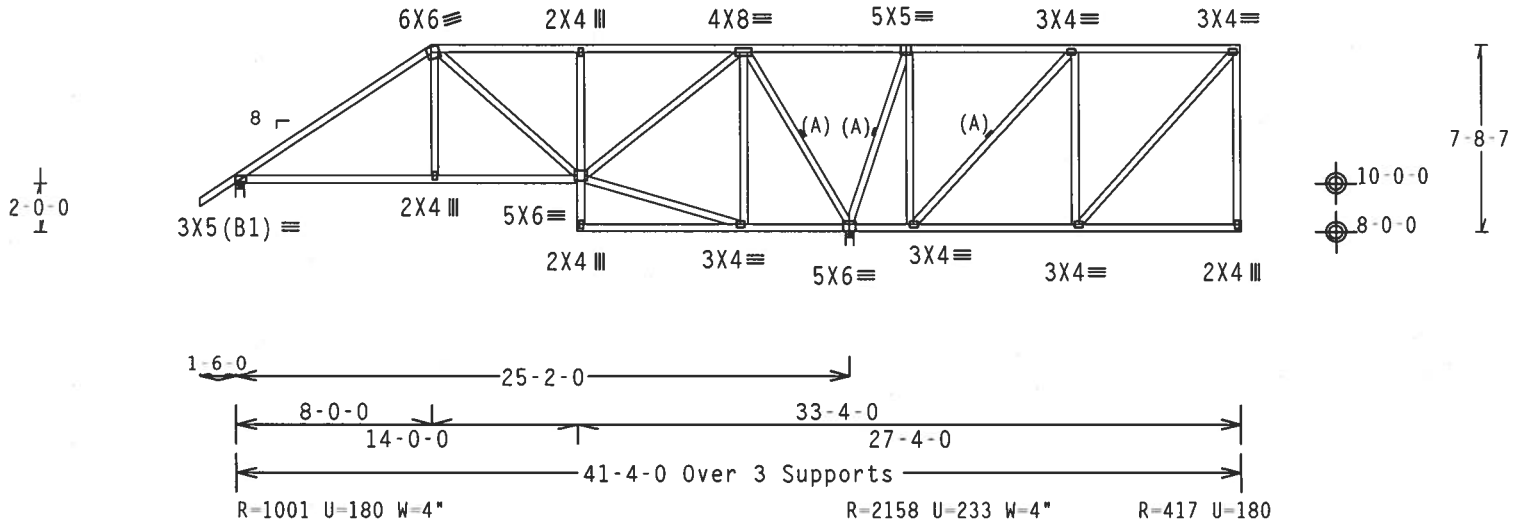
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 5-8-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503 | QTY:1 | FL/-/5/-/-/R/F | Scale =.125"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF R215-- 91783
TC DL	10.0 PSF	DATE 04/27/07
BC DL	10.0 PSF	DRW HCUSR215 07117066
BC LL	0.0 PSF	HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN- 155948
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - A11)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

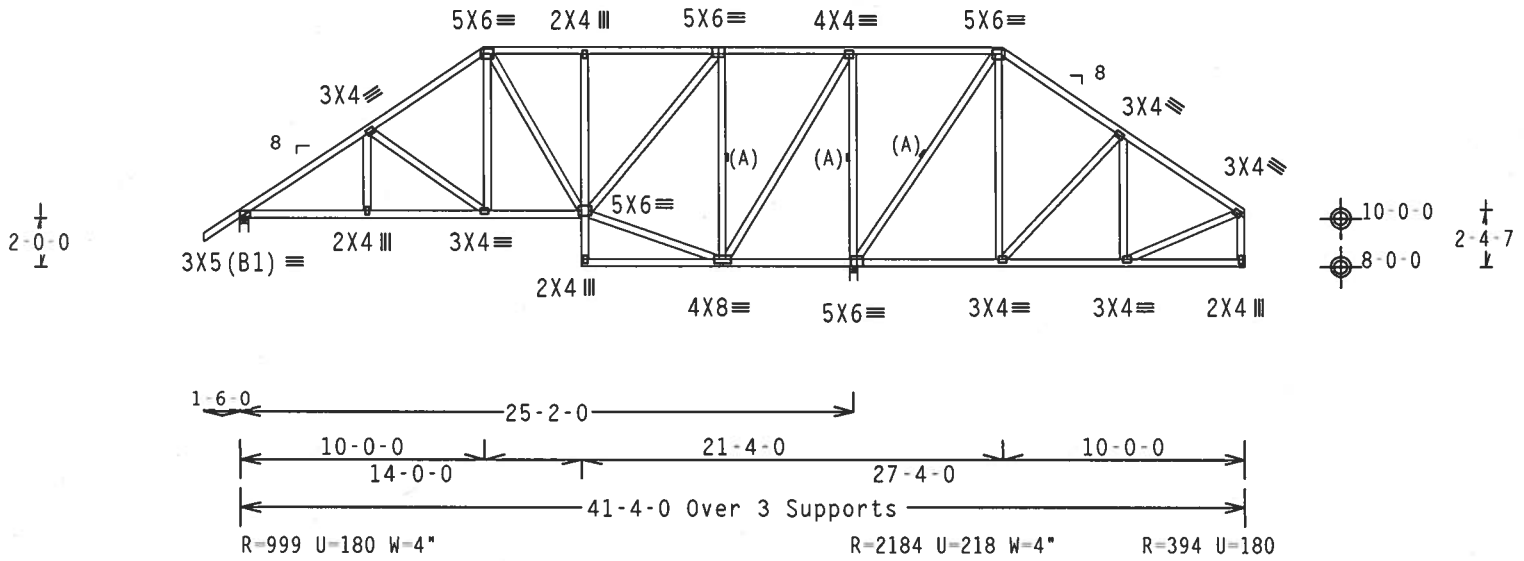
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 7-0-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE
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Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF R215-- 91784
TC DL	10.0 PSF	DATE 04/27/07
BC DL	10.0 PSF	DRW HCUSR215 07117067
BC LL	0.0 PSF	HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN- 155943
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

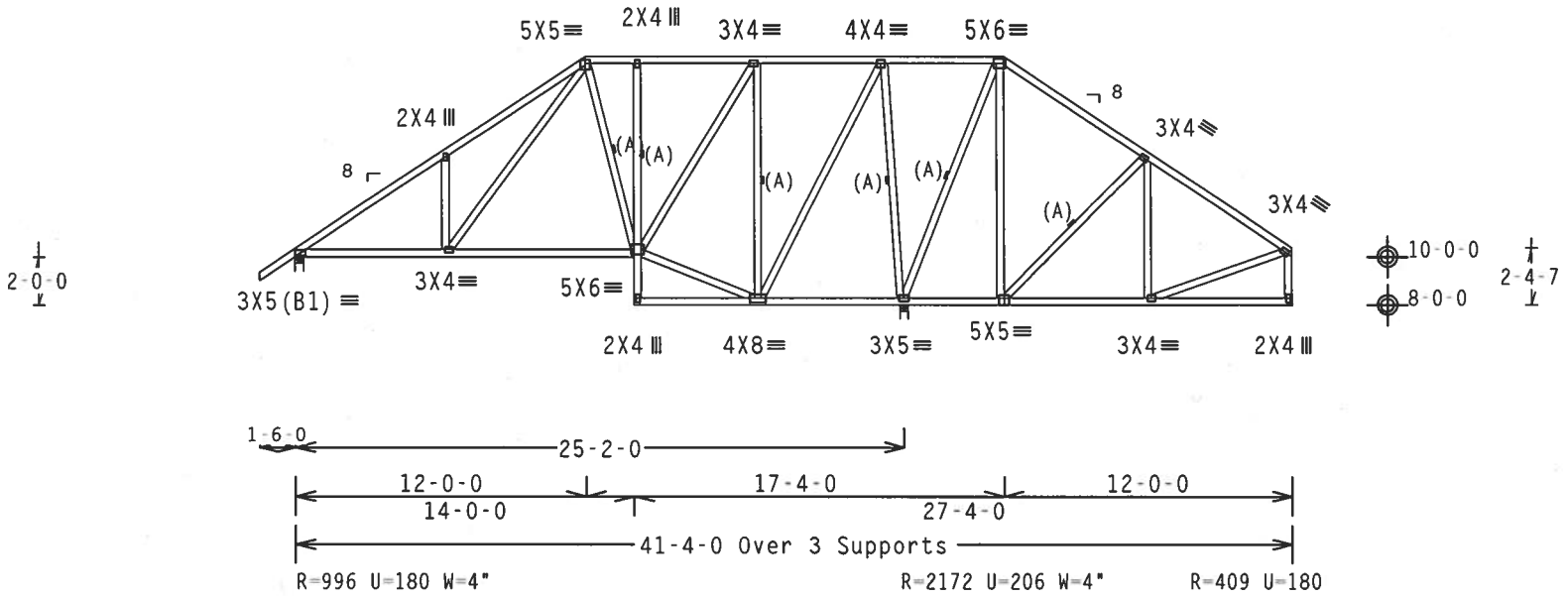
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 8-4-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 | QTY:1 | FL/-/5/-/-/R/F | Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 2

TC LL	20.0 PSF	REF	R215-- 91785
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117068
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN-	155938
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

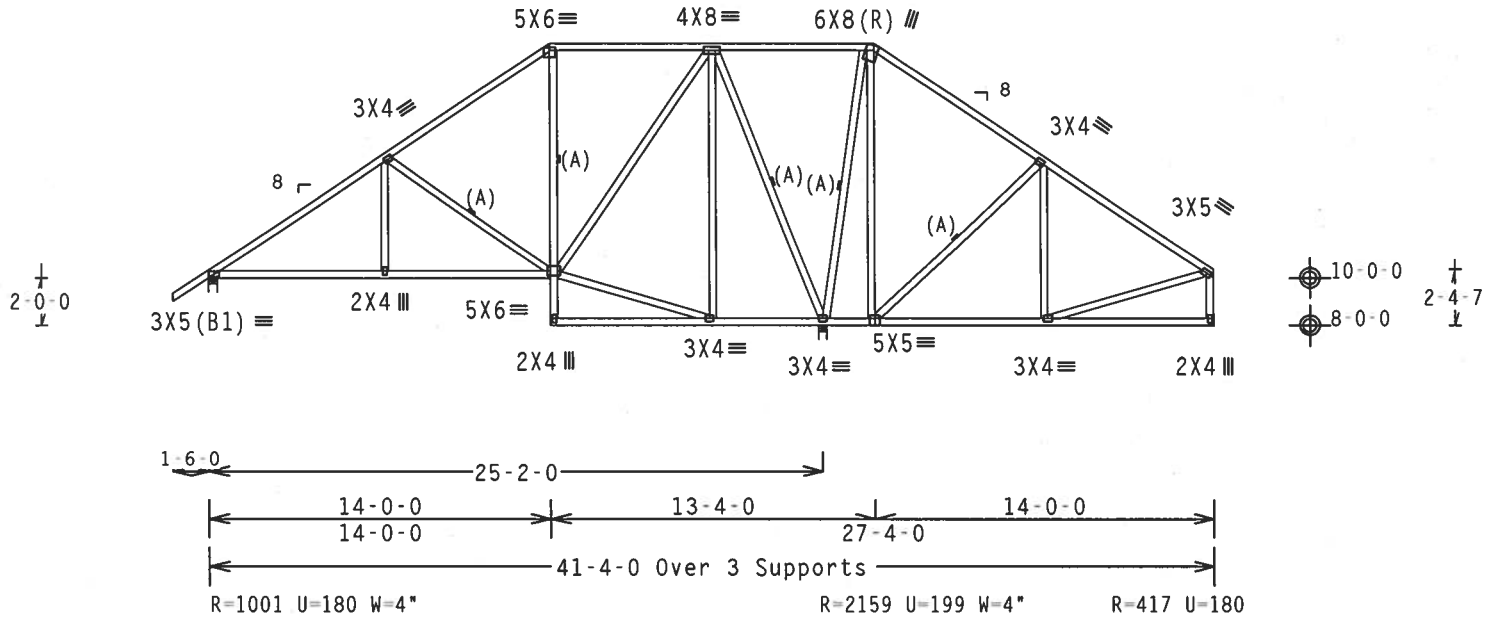
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 9-8-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91786
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117069
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155933
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

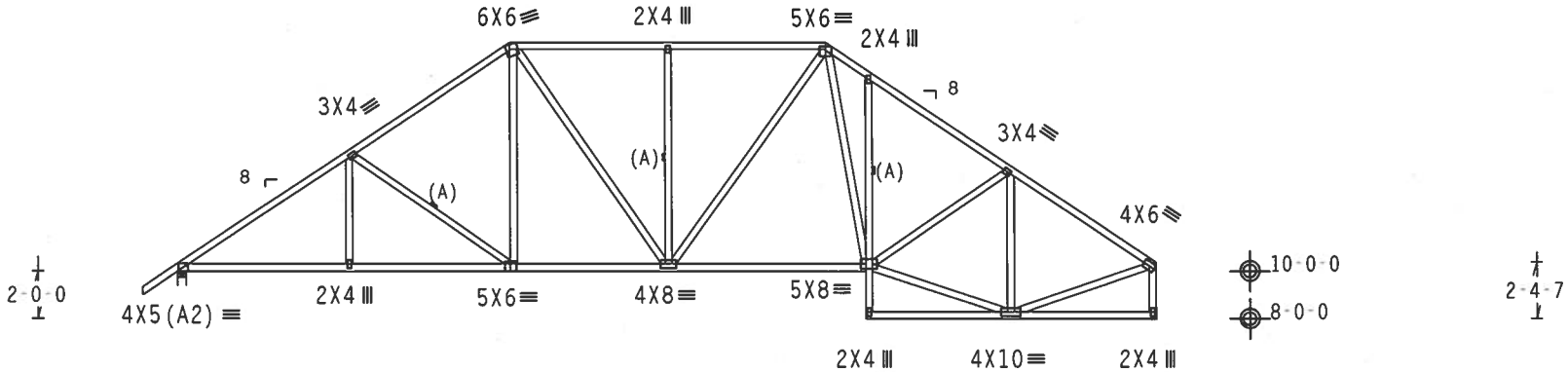
Deflection meets L/240 live and L/180 total load.

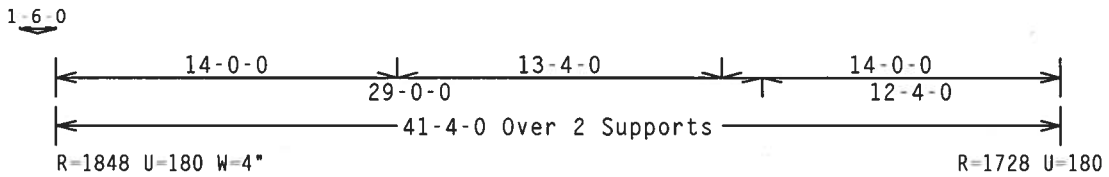
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 9-8-7.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 FO QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91787
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117070
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155922
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

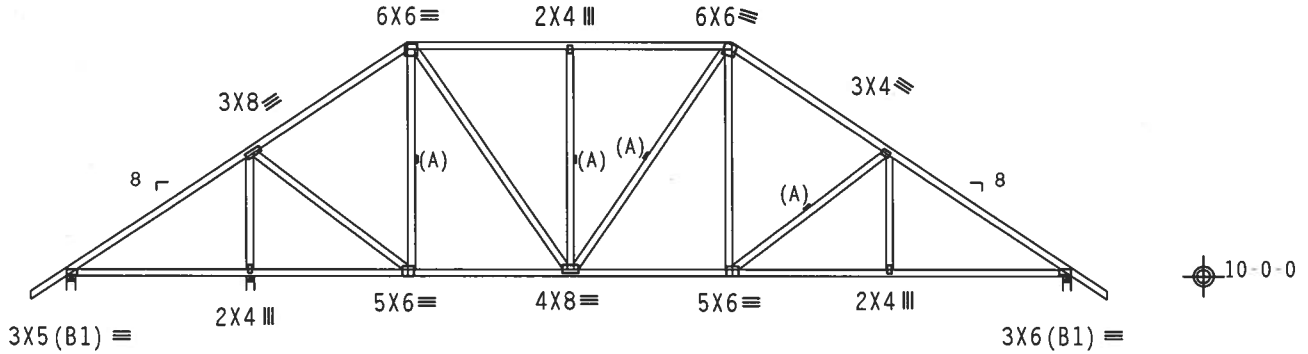
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

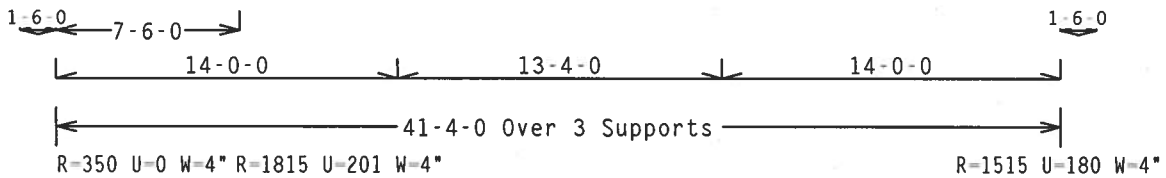
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 9-8-7.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503 | QTY:1 | FL/-/5/-/-/R/F | Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91788
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117071
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155917
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

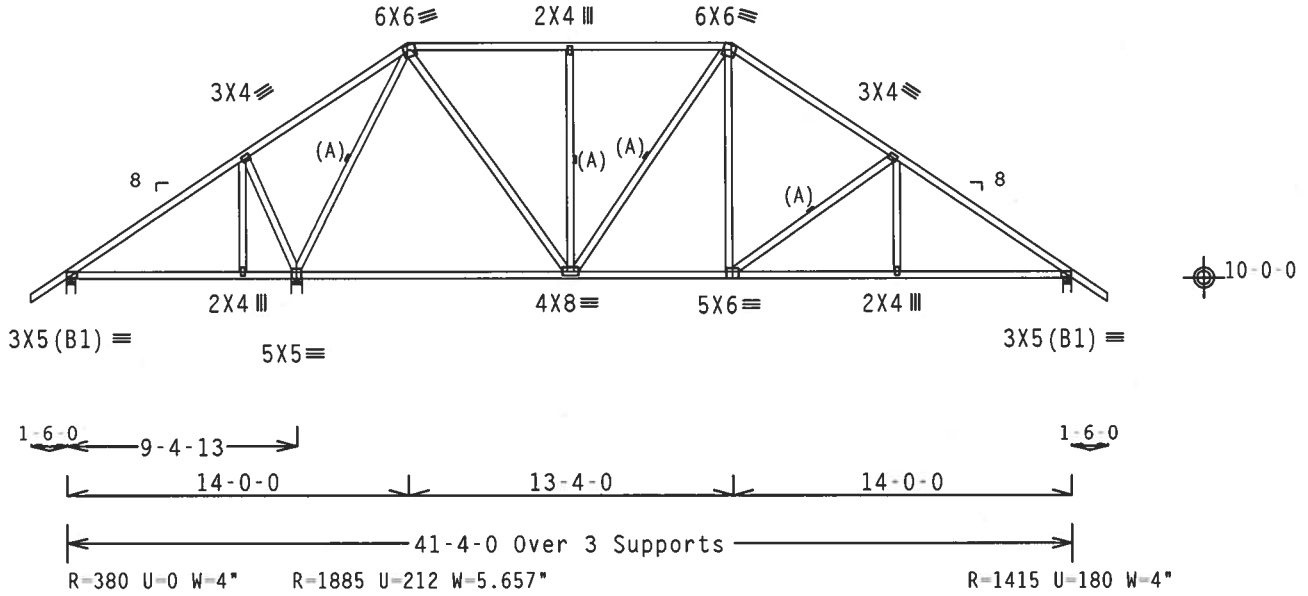
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 9-8-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27,07

TC LL	20.0 PSF	REF	R215-- 91789
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117072
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155877
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

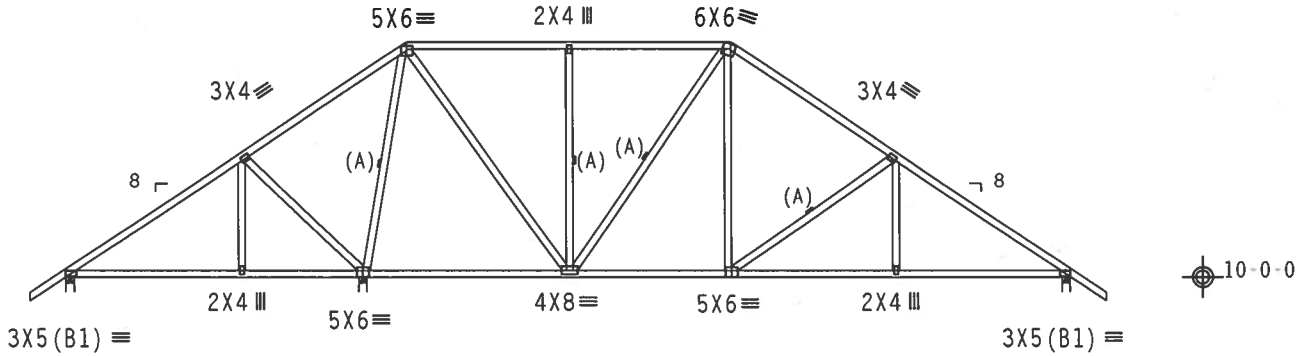
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

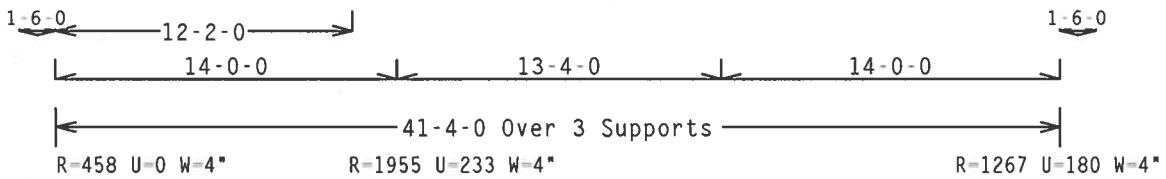
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 9-8-7.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91790
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117073
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN-	155882
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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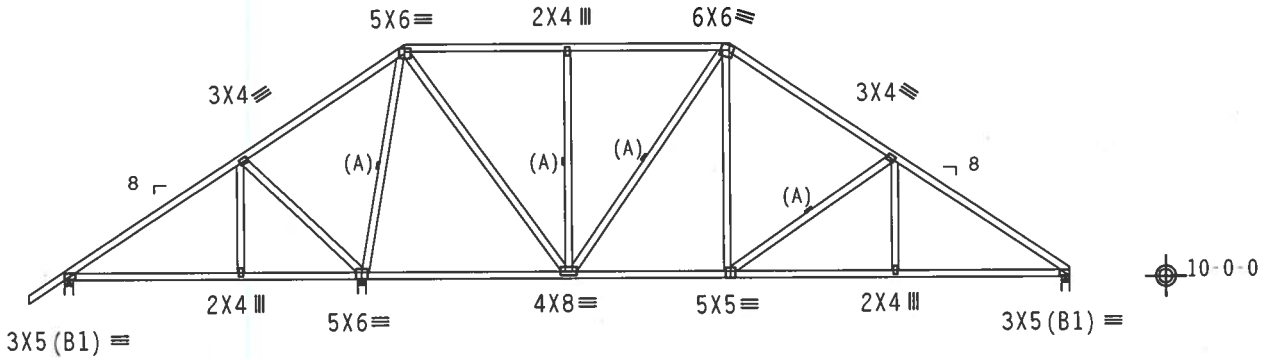

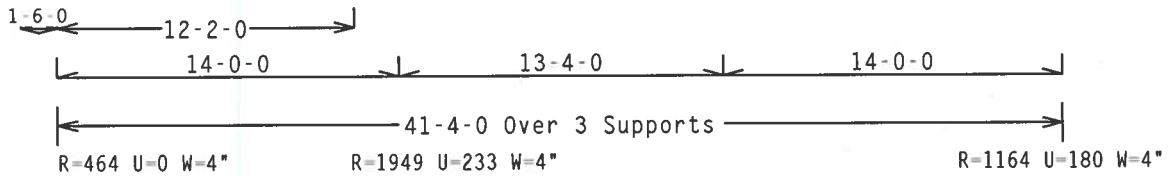

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503.30

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE

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FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91791
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117074
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155887
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - A19)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

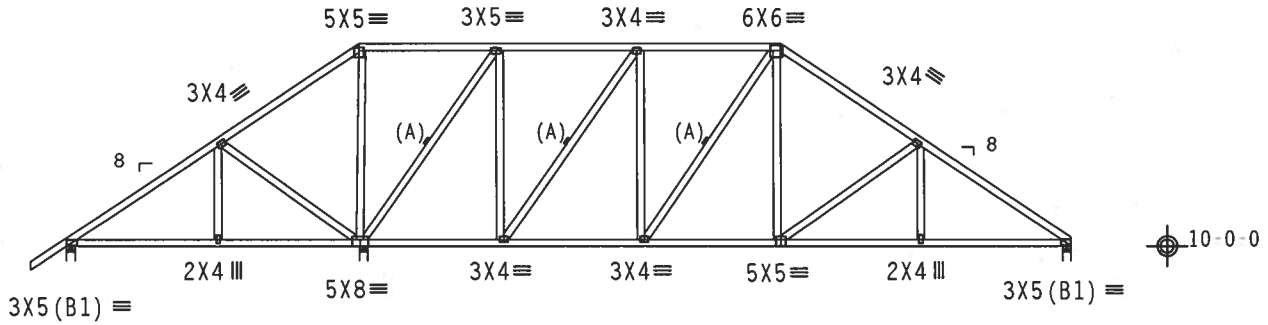
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

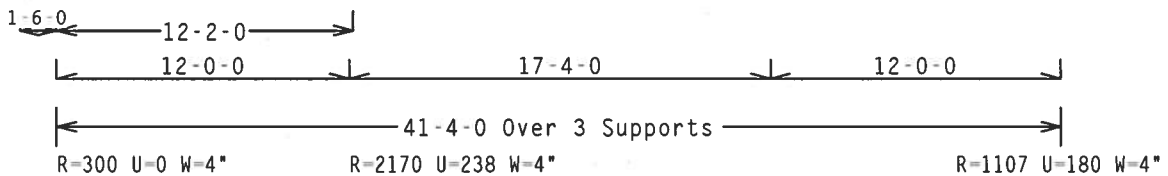
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 8-4-7.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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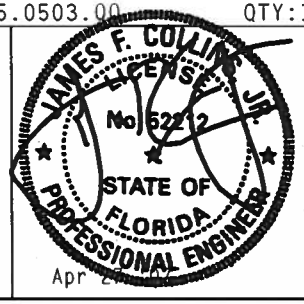


Apr 27,2007

TC LL	20.0 PSF	REF	R215-- 91792
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117075
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155892
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - A20)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

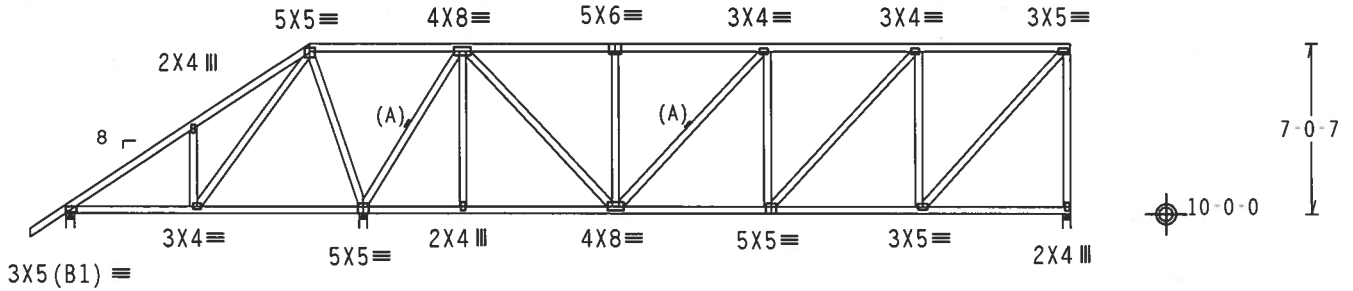
Deflection meets L/240 live and L/180 total load.

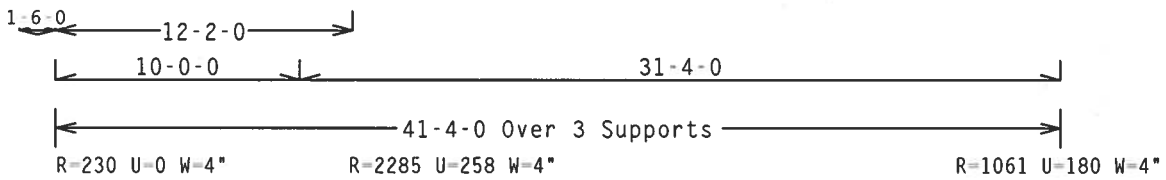
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 7-0-7.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503 | QTY:1 | FL/-/5/-/-/R/F | Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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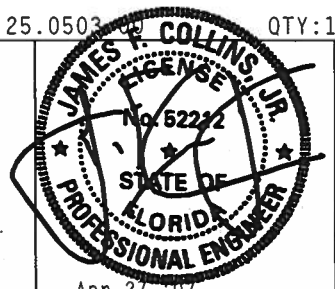


Apr 27 '07

TC LL	20.0 PSF	REF	R215-- 91793
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117076
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN-	155897
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

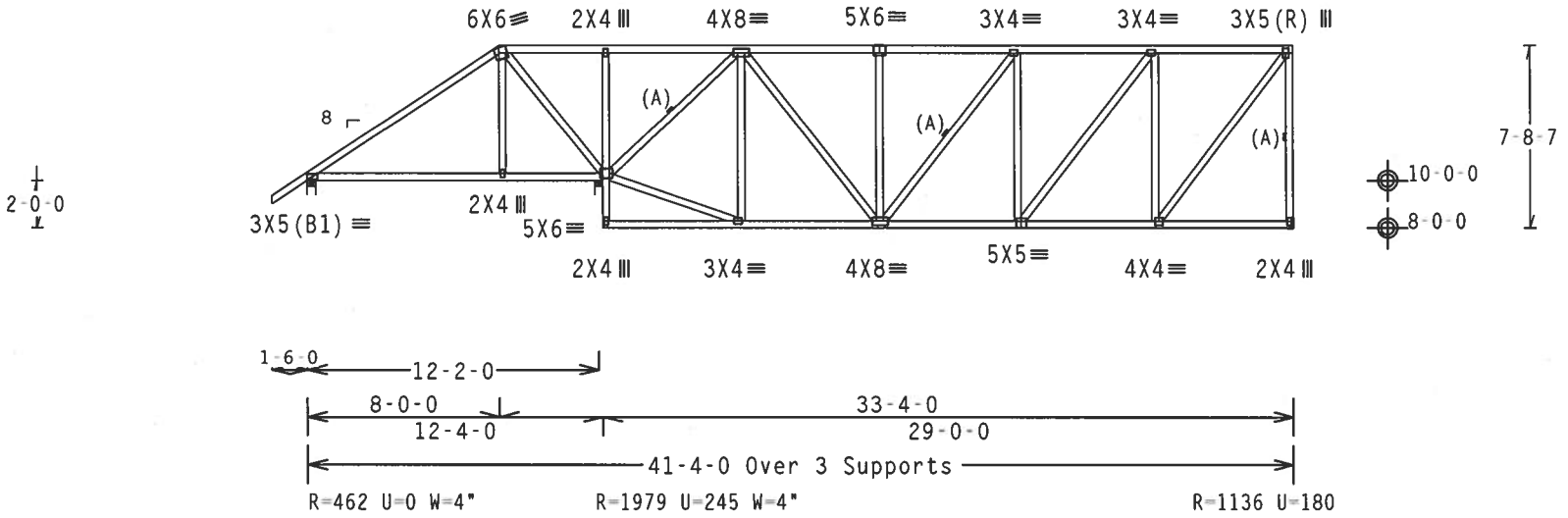
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 5-8-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503 | QTY:1 | FL/-/5/-/-/R/F | Scale =.125"/Ft.

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JAMES F. COLLINS JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

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TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117077
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155902
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

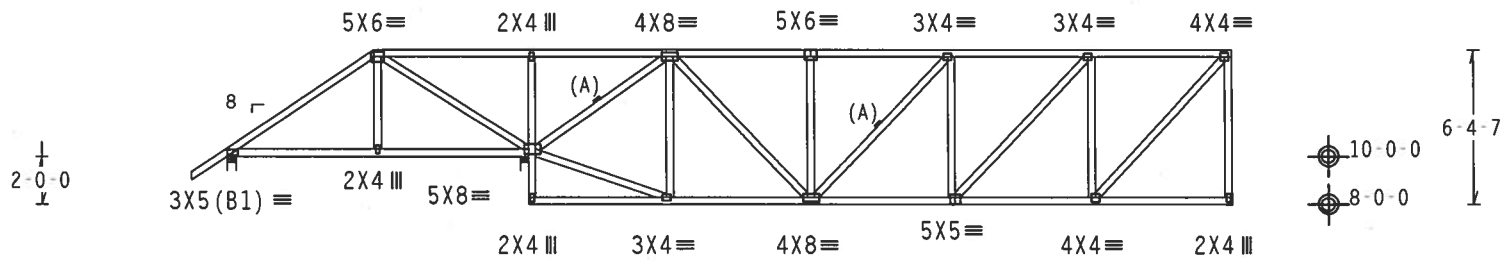
Deflection meets L/240 live and L/180 total load.

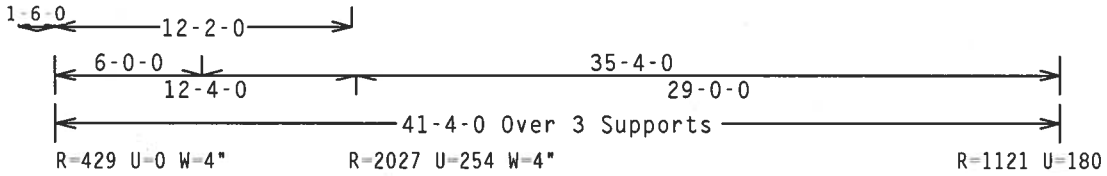
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 4-4-7.





Design Crit: TPI-2002(STD)/FBC

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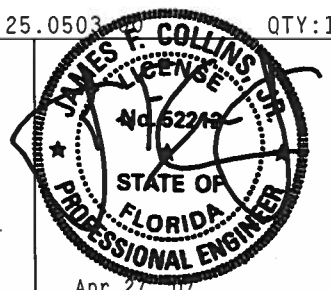


Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91795
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117078
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155907
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x6 SP #2 N :T1 2x4 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

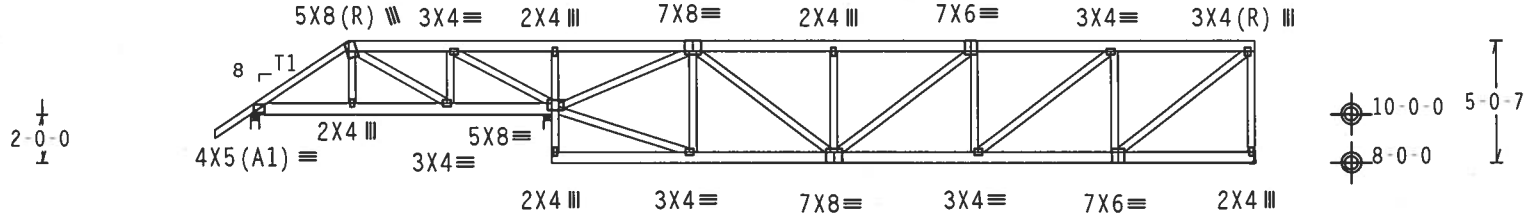
2 COMPLETE TRUSSES REQUIRED

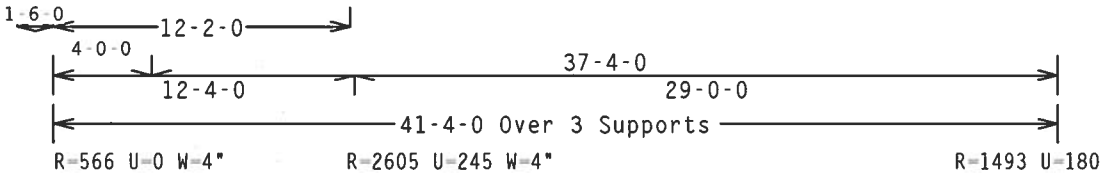
Nailing Schedule: (0.131"x3"_Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

#1 hip supports 4-0-0 jacks with no webs.

The overall height of this truss excluding overhang is 3-0-7.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.125"/Ft.

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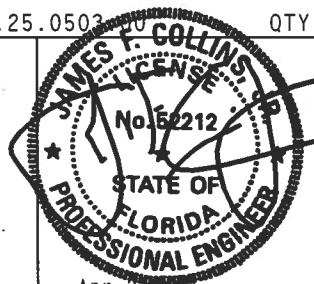


Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91796
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117079
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155912
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

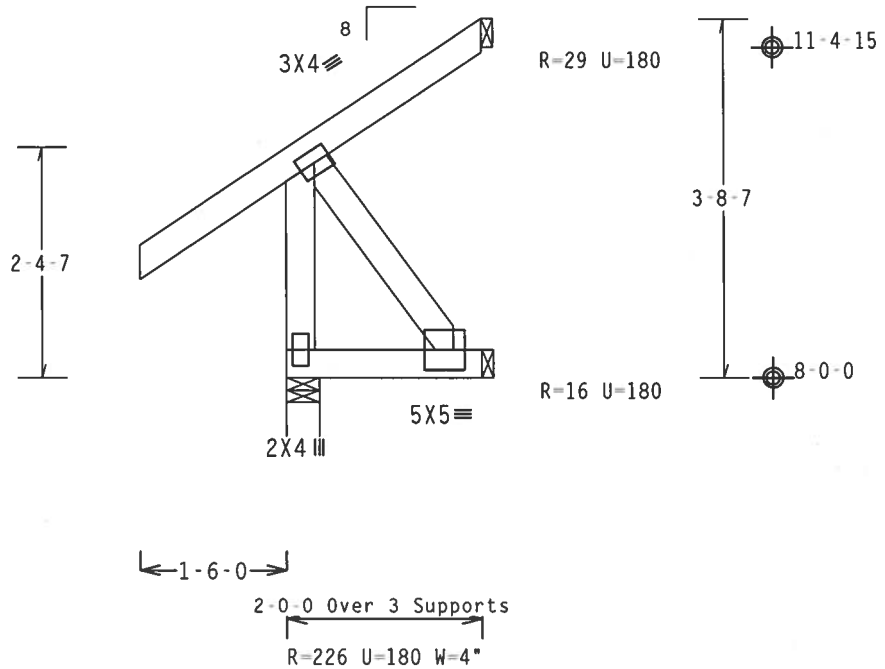
Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 3-8-7.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503 | QTY:1 | FL/-/5/-/-/R/F | Scale =.5"/Ft.

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FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91797
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117052
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155800
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

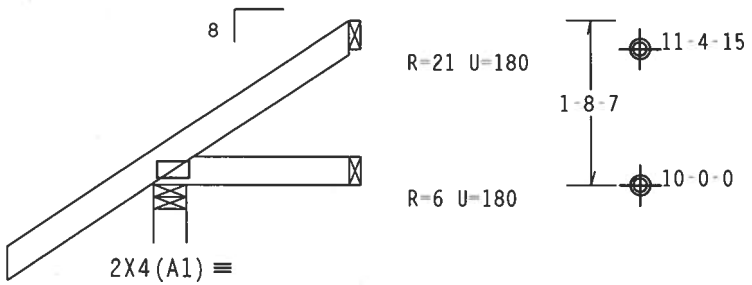
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

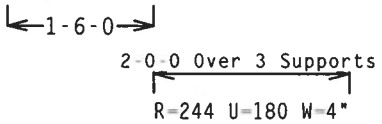
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-8-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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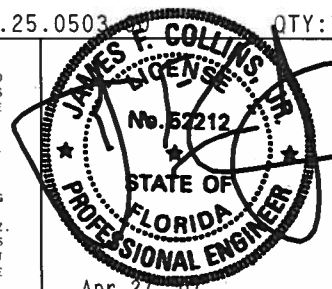


Apr 27 07

TC LL	20.0 PSF	REF R215-- 91798
TC DL	10.0 PSF	DATE 04/27/07
BC DL	10.0 PSF	DRW HCUSR215 07117053
BC LL	0.0 PSF	HC-ENG EC/AP *
TOT.LD.	40.0 PSF	SEQN- 155811
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6V215_Z01

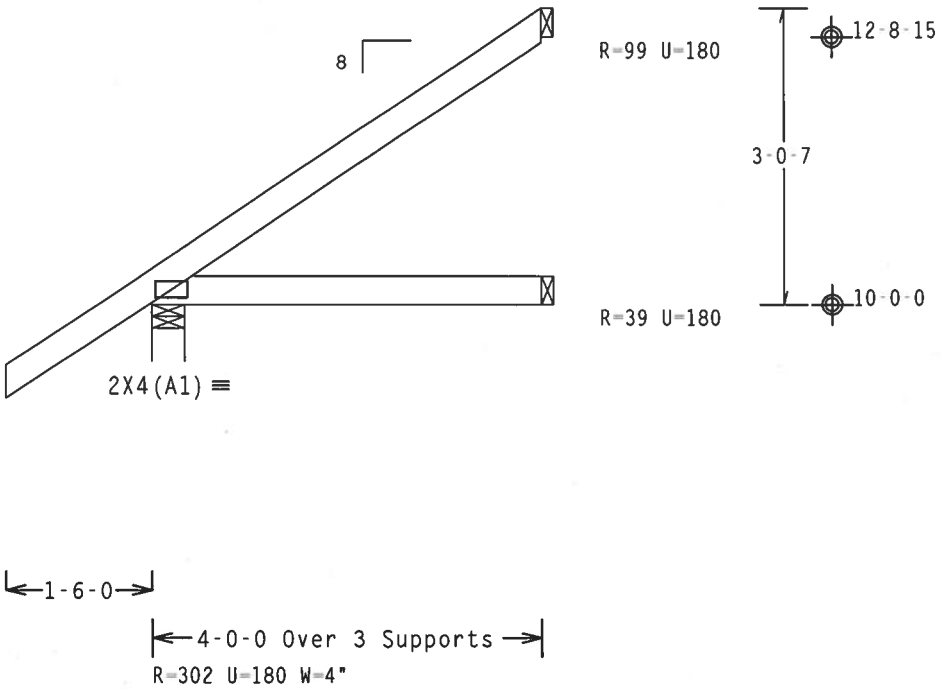
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-0-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSED No 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 27,07

TC LL	20.0 PSF	REF	R215-- 91799
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117054
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155803
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - JC5)

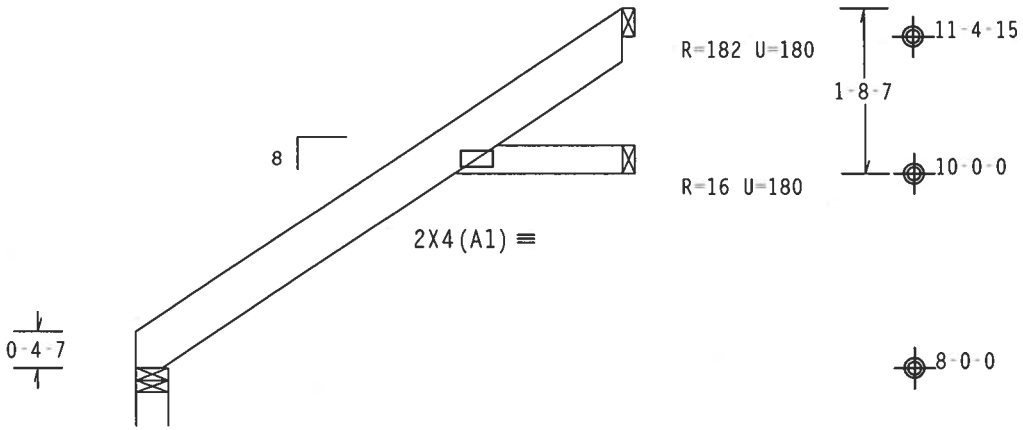
Top chord 2x6 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-8-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91800
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117080
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155849
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - JC5A)

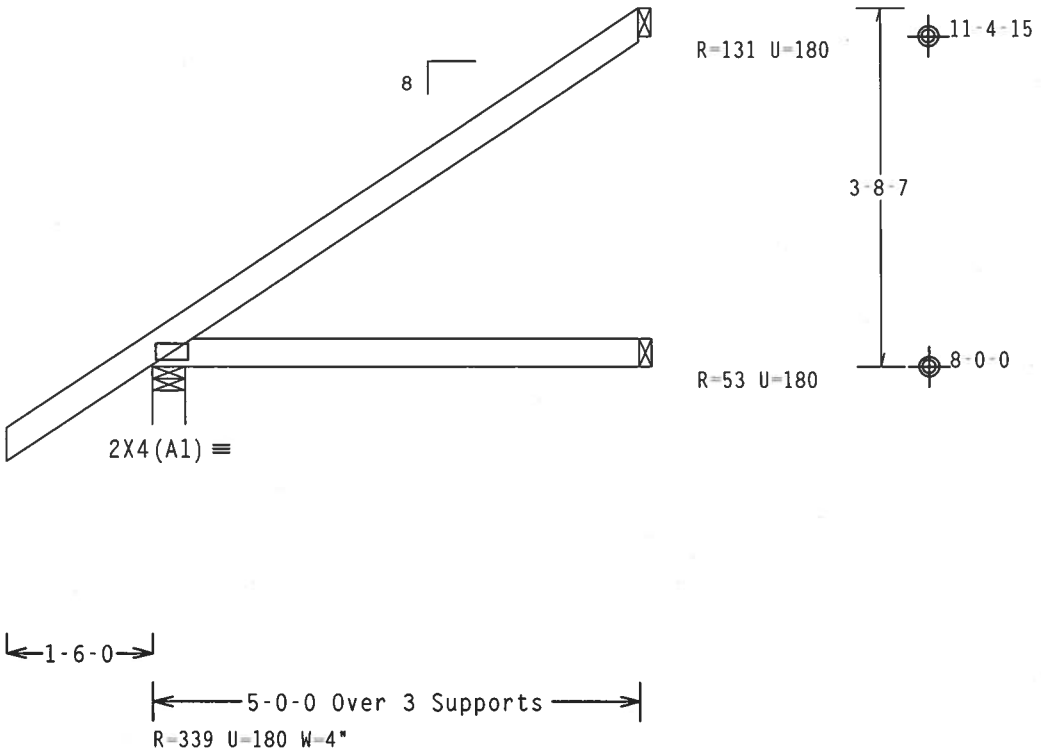
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-8-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.25.0503 MWFRS | QTY:1 | FL/-/5/-/-/R/F | Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No 52217 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91801
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117055
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155953
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - JC7)

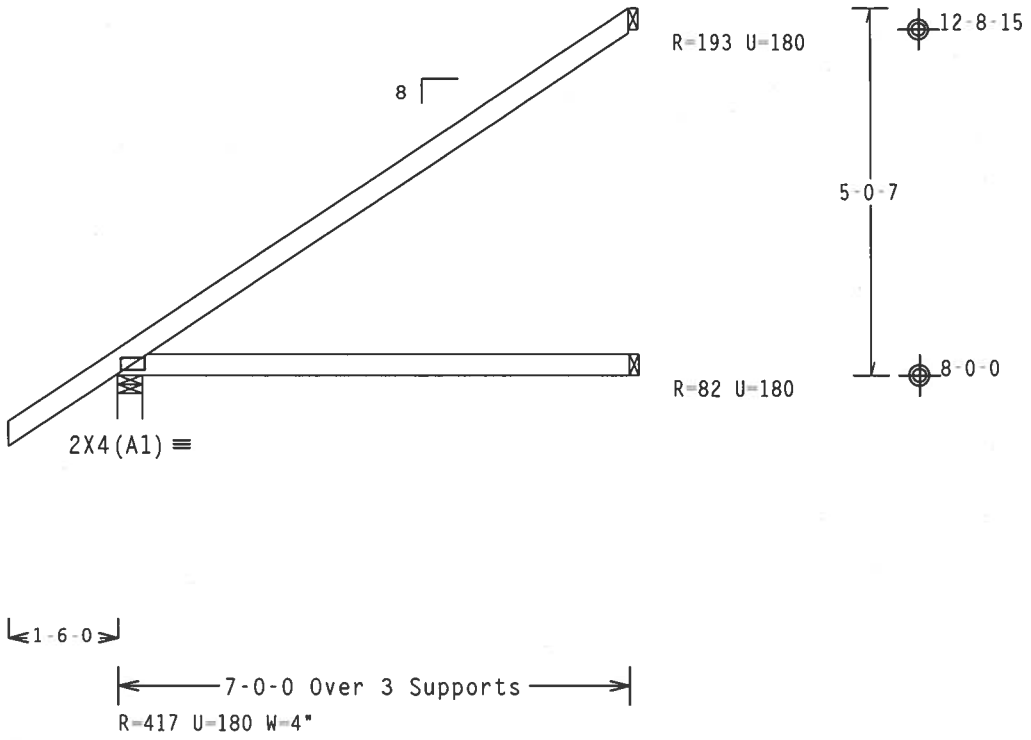
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-0-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, P.E. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 [illegible]

TC LL	20.0 PSF	REF	R215-- 91802
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117056
BC LL	0.0 PSF		HC-ENG EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155956
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

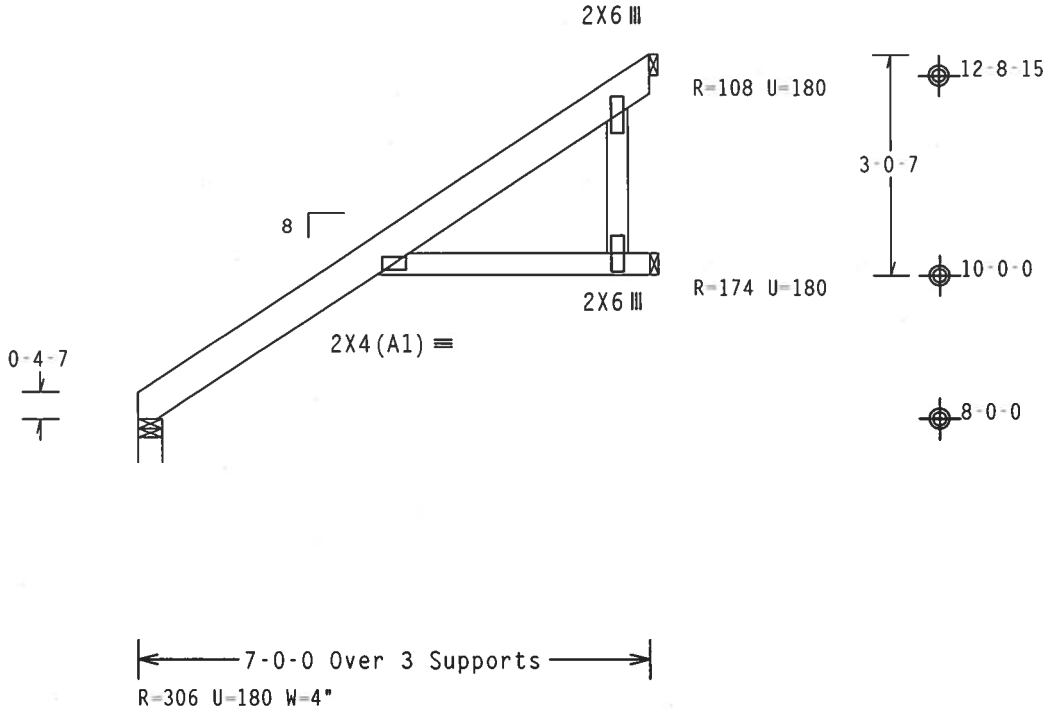
Top chord 2x6 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-0-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.08 QTY:1 FL/-/5/-/-/R/F Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27,07

TC LL	20.0 PSF	REF	R215-- 91803
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117081
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155855
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

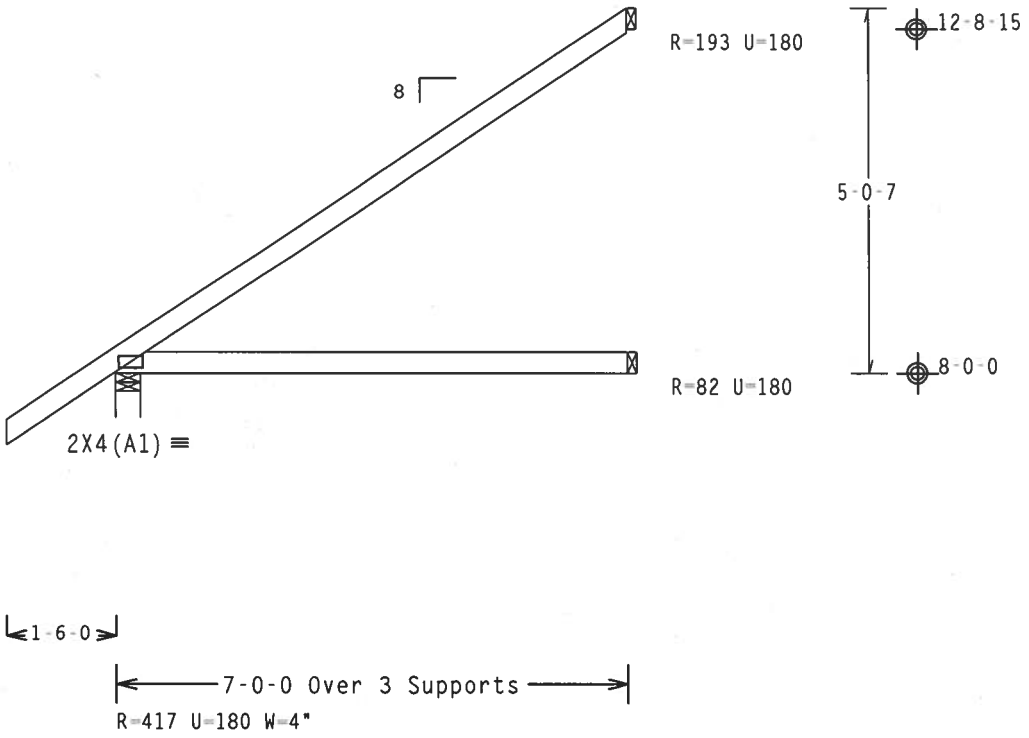
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-0-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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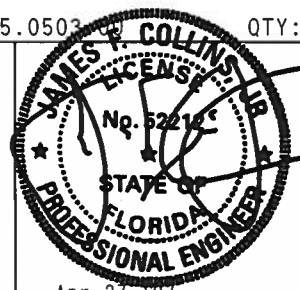


Apr 27 '07

TC LL	20.0 PSF	REF	R215-- 91804
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117057
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155846
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - JE9)

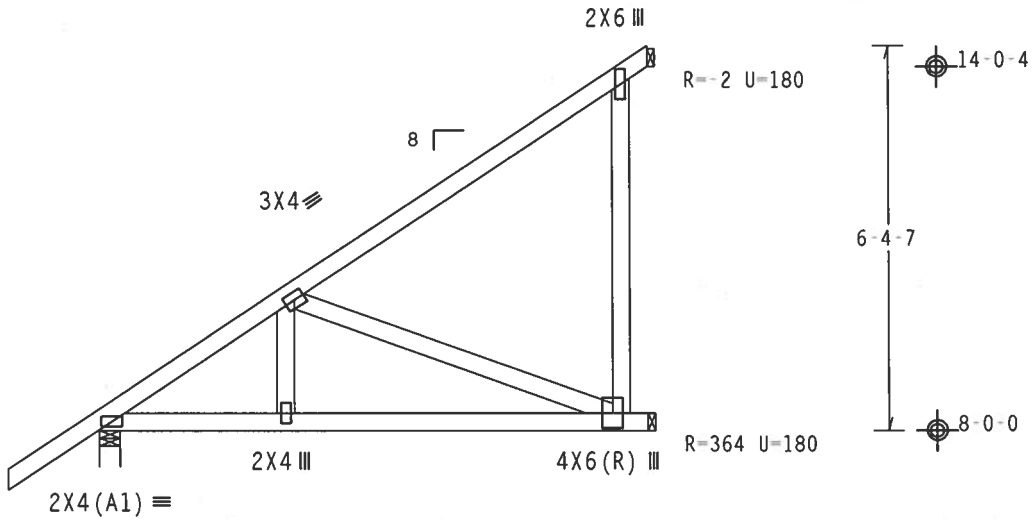
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

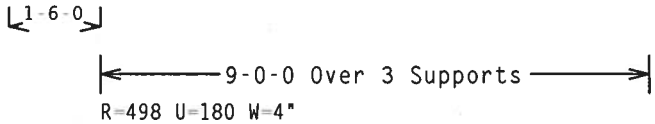
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 6-4-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) | 7.25.0503 | QTY:1 | FL/-/5/-/-/R/F | Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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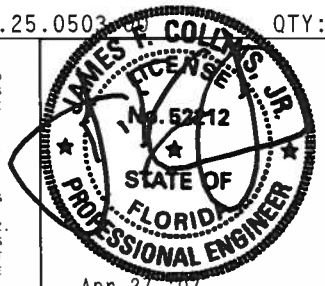


Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91805
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117058
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155972
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - JE9A)

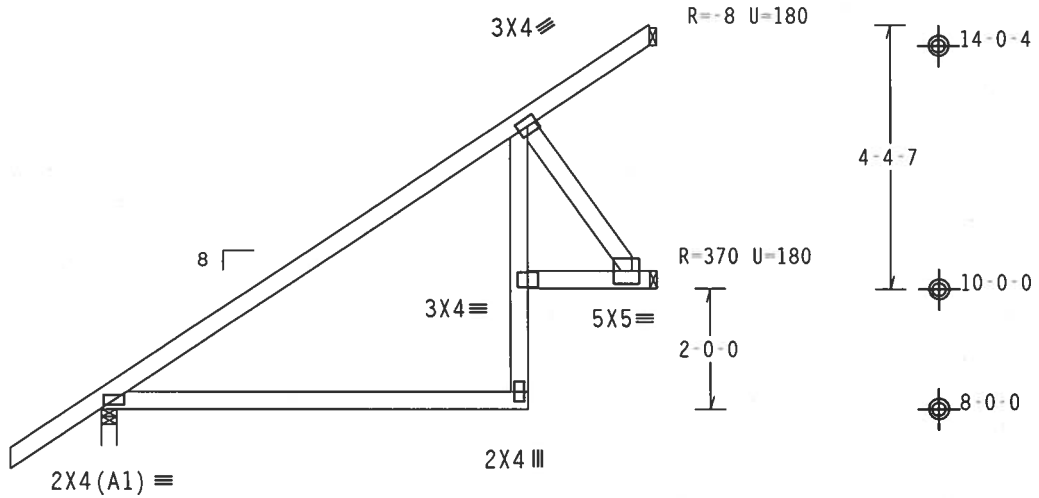
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 6-4-7.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.



1-6-0

7-0-0 | 2-0-0

9-0-0 Over 3 Supports

R=497 U=180 W=3"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.25.0503 [illegible] QTY:1 FL/-/5/-/-/R/F Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 27 [illegible]

TC LL	20.0 PSF	REF	R215-- 91806
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117059
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN-	155966
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

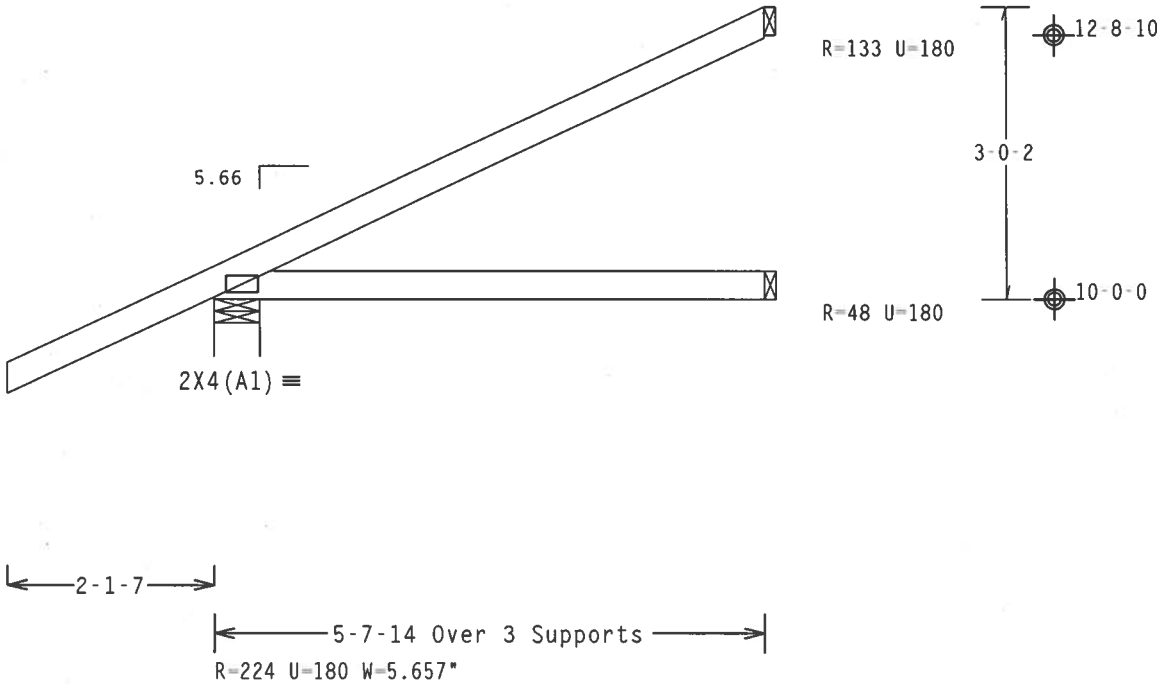
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 4-0-0 setback jacks with no webs.

The overall height of this truss excluding overhang is 3-0-2.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91807
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117082
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN-	155806
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - JH8)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

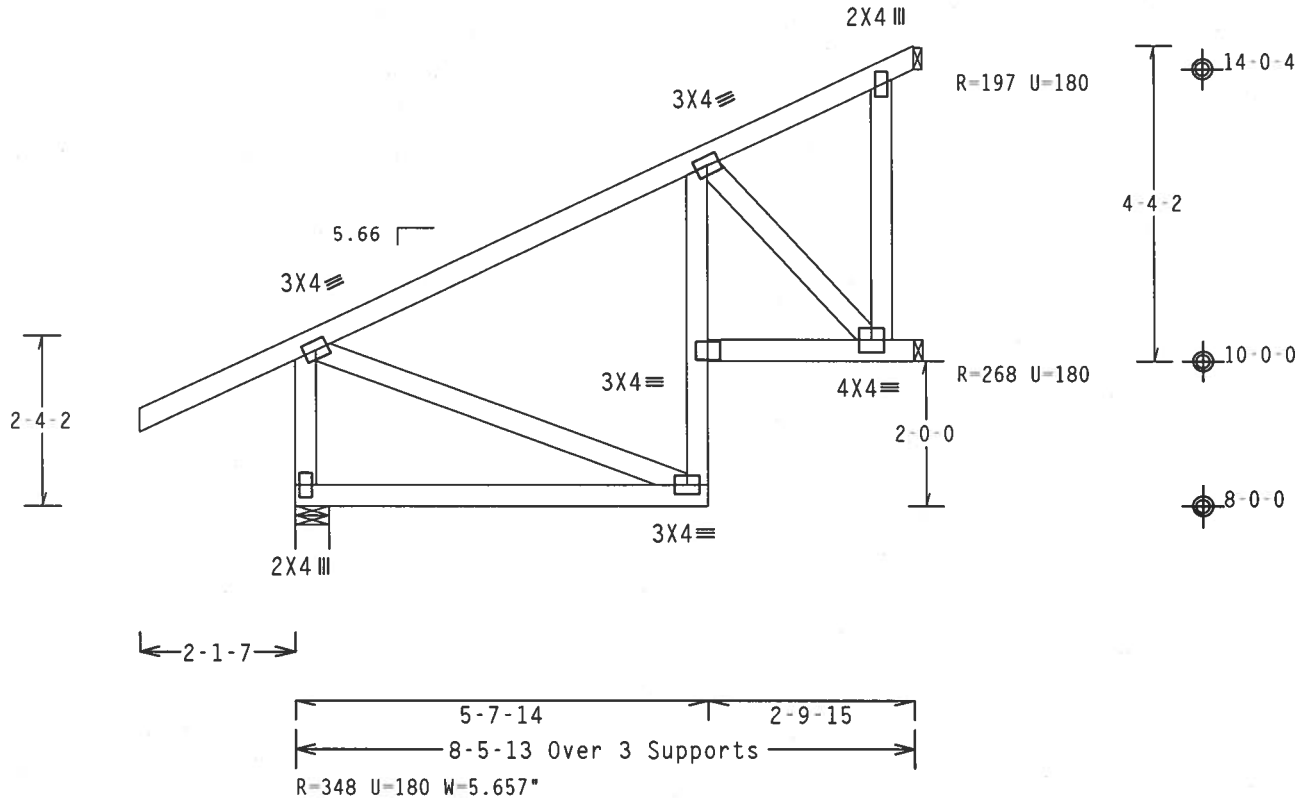
Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 6-4-2.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Hipjack supports 6-0-0 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0), 7.25.0503.02

PLT TYP. Wave | QTY:1 | FL/-/5/-/-/R/F | Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27 07

TC LL	20.0 PSF	REF	R215-- 91808
TC DL	10.0 PSF	DATE	04/27/07
BC DL	10.0 PSF	DRW	HCUSR215 07117083
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN-	155795
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

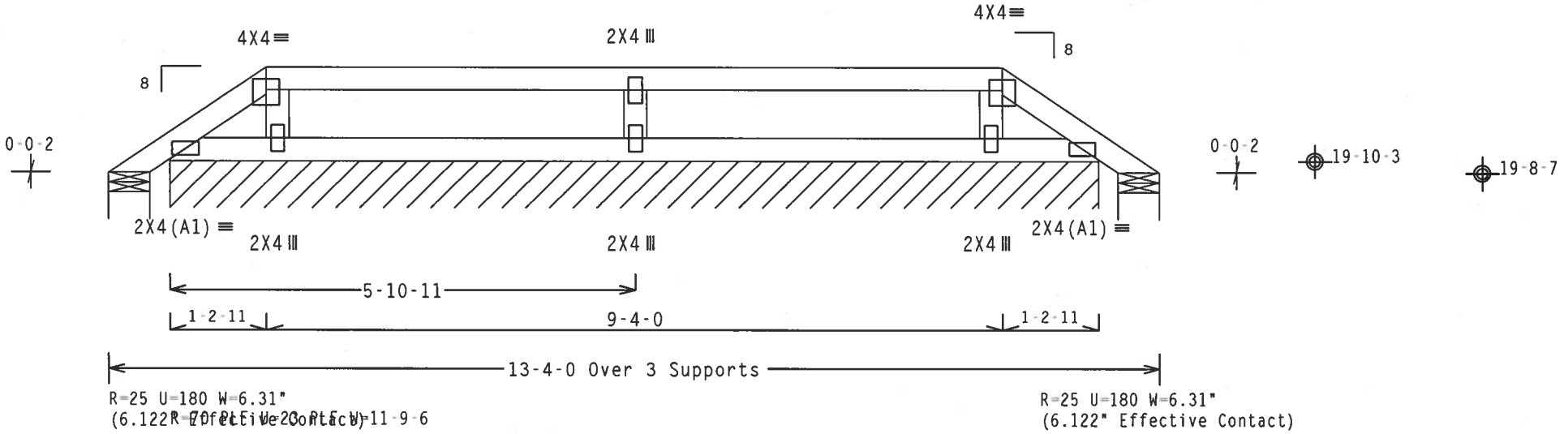
Deflection meets L/240 live and L/180 total load.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

110 mph wind, 20.38 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

The overall height of this truss excluding overhang is 1-4-0.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSED No. 52213 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 27

TC LL	20.0 PSF	REF R215-- 91809
TC DL	10.0 PSF	DATE 04/27/07
BC DL	2.0 PSF	DRW HCUSR215 07117084
BC LL	0.0 PSF	HC-ENG EC/AP
TOT.LD.	32.0 PSF	SEQN- 155790
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6V215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

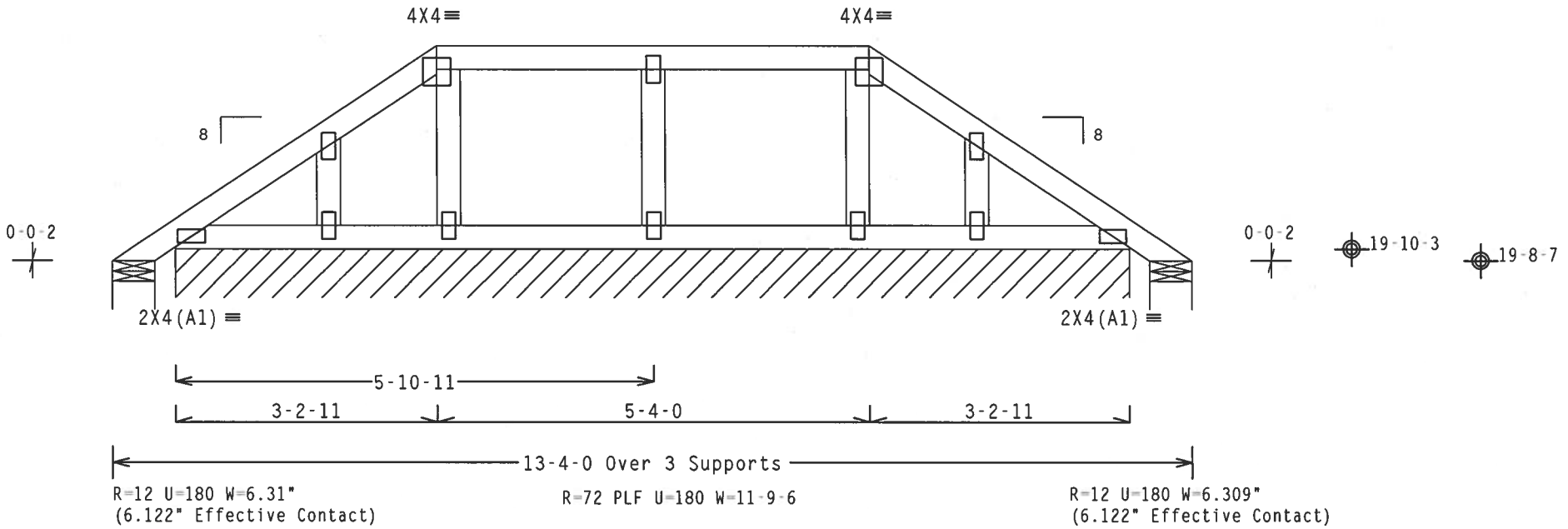
The overall height of this truss excluding overhang is 2-8-0.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

110 mph wind, 20.38 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.08 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27,07

TC LL	20.0 PSF	REF R215-- 91810
TC DL	10.0 PSF	DATE 04/27/07
BC DL	2.0 PSF	DRW HCUSR215 07117085
BC LL	0.0 PSF	HC-ENG EC/AP
TOT.LD.	32.0 PSF	SEQN- 155787
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - PBA3)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

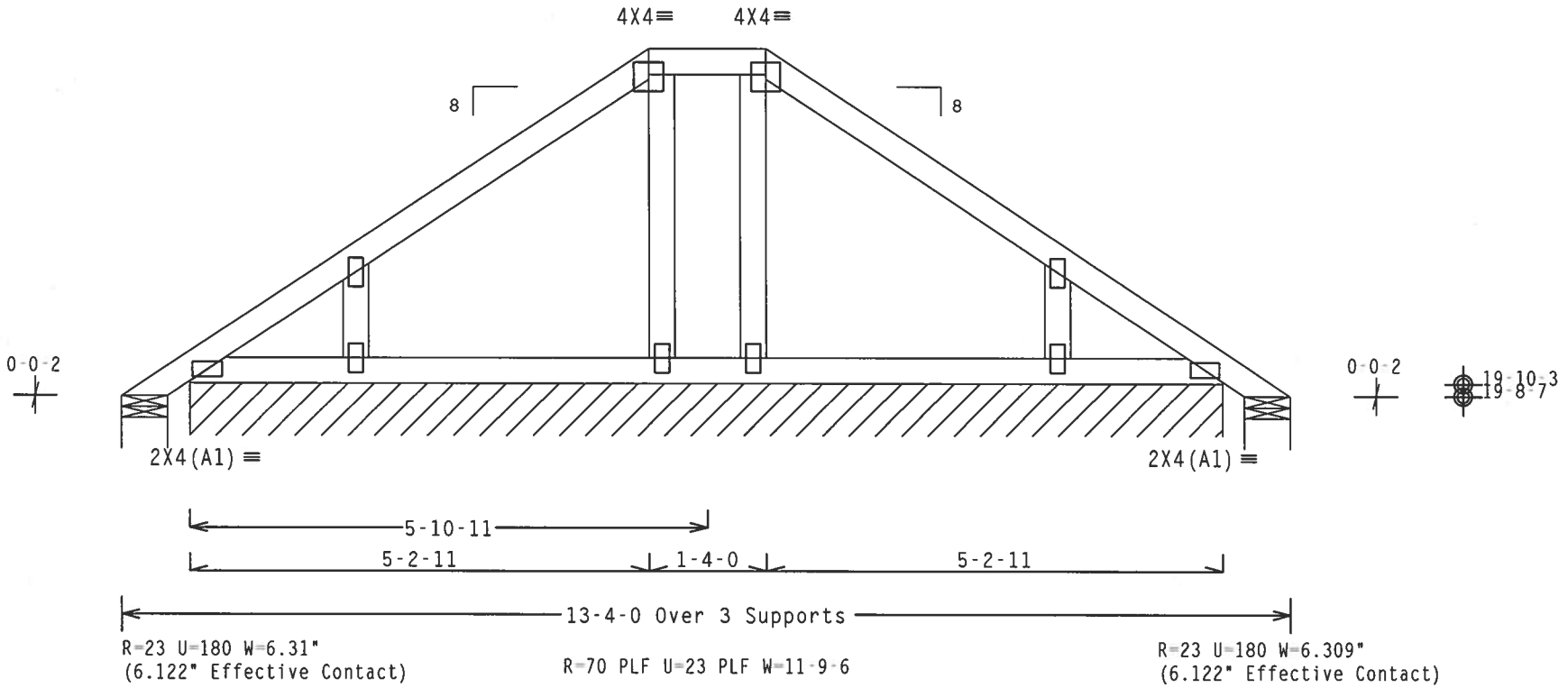
Deflection meets L/240 live and L/180 total load.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

110 mph wind, 21.71 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

The overall height of this truss excluding overhang is 4-0-0.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr

TC LL	20.0 PSF	REF	R215-- 91811
TC DL	10.0 PSF	DATE	04/27/07
BC DL	2.0 PSF	DRW	HCUSR215 07117086
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	32.0 PSF	SEQN-	155784
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

(4531-/Roche Residence /Compass Builders -- LAKE CITY, FL - PBA4)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

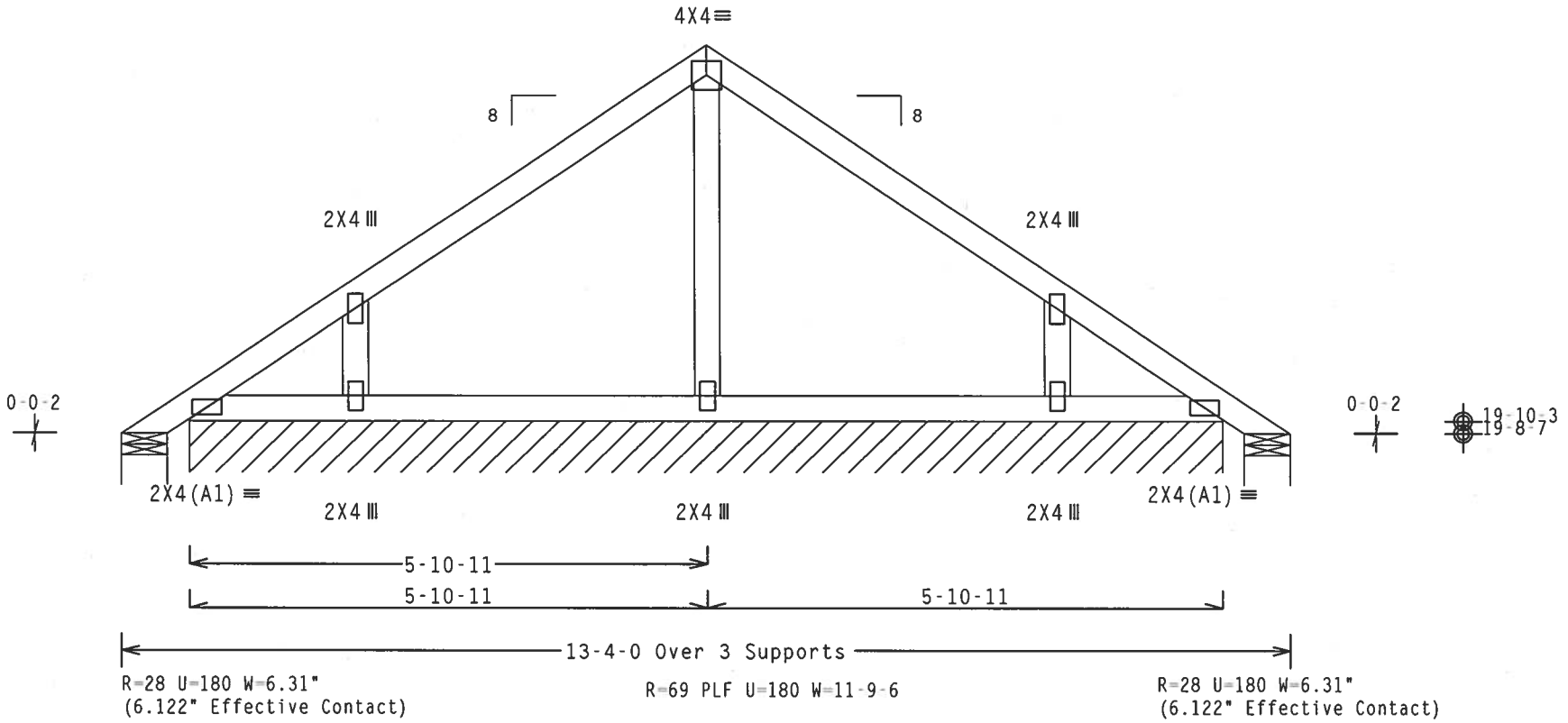
The overall height of this truss excluding overhang is 4-5-5.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

110 mph wind, 20.38 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/F Scale =.5"/Ft.

ALPINE
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 27,07

TC LL	20.0 PSF	REF	R215-- 91812
TC DL	10.0 PSF	DATE	04/27/07
BC DL	2.0 PSF	DRW	HCUSR215 07117087
BC LL	0.0 PSF		HC-ENG EC/AP
TOT.LD.	32.0 PSF	SEQN-	155781
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T6V215_Z01

ASCE 7-02: 110 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' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	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' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	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"
16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

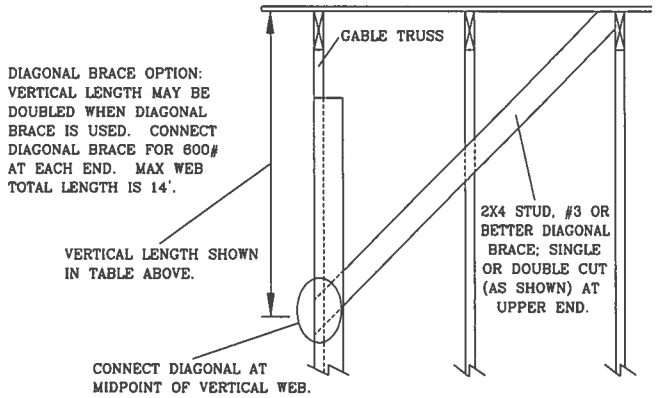
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD

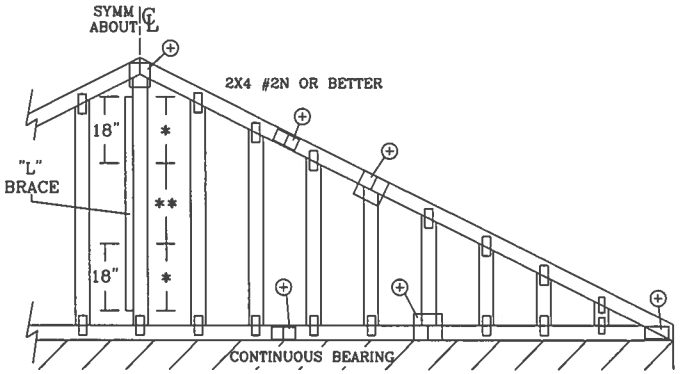
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#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 80 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' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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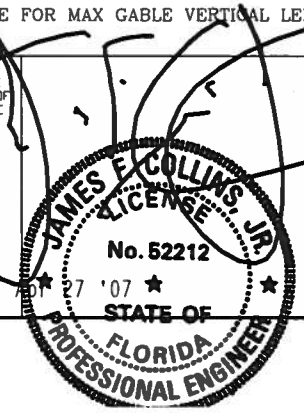
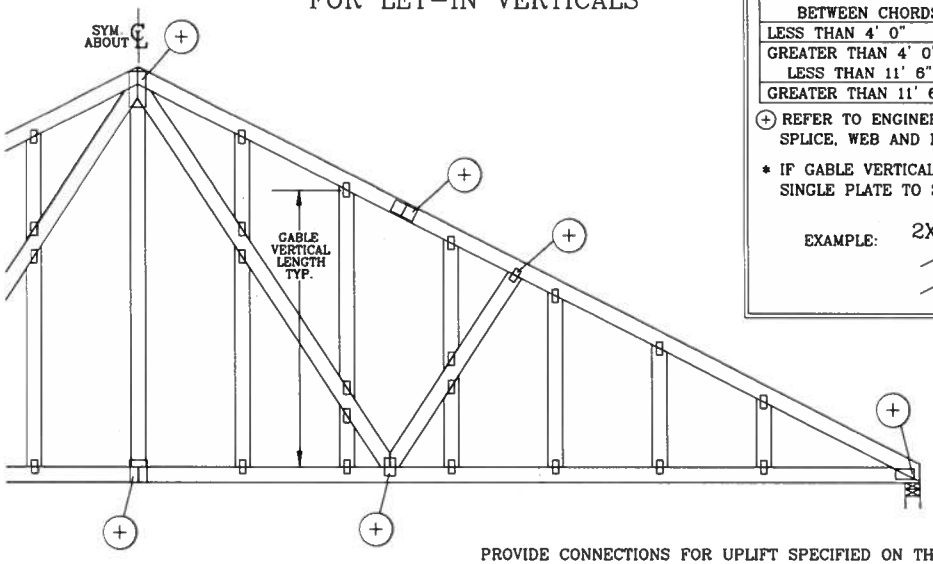


MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

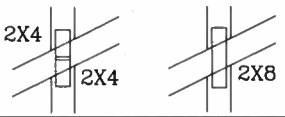


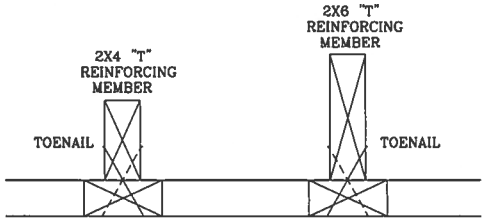
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:





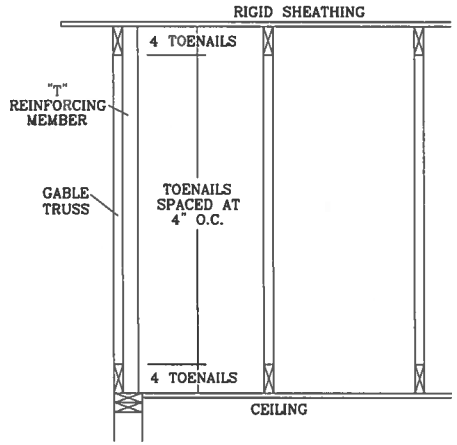
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207, A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207, A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Apr 2 07

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
-ENG	DLJ/KAR

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

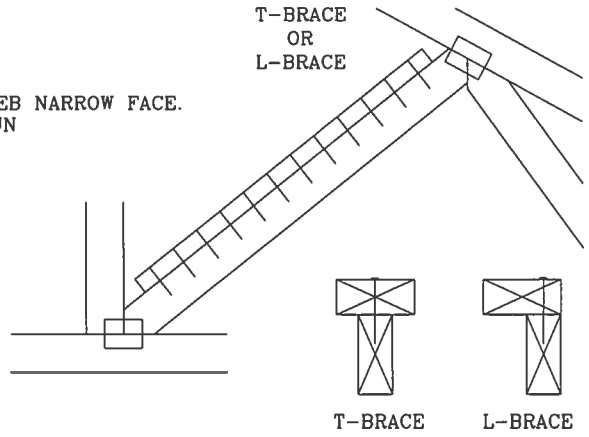
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

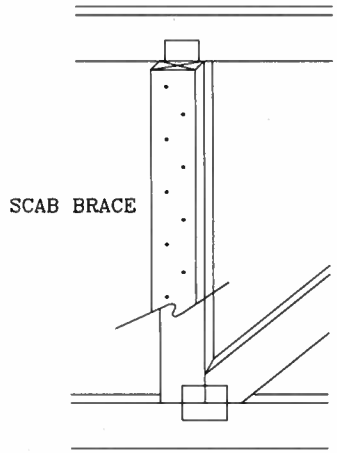
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) 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.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW, BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W,K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 2 07

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

Residential System Sizing Calculation

Summary

Jake And Anna Roche

Lake City, FL

Project Title:
RocheJake

Class 3 Rating
Registration No. 0
Climate: North

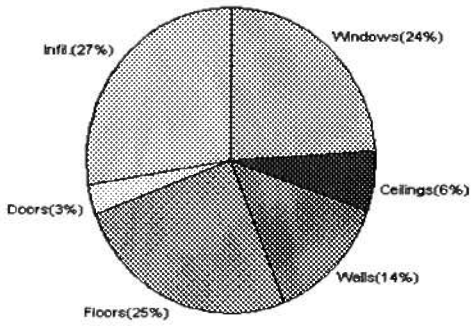
5/21/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**36835**	**Btuh**	**Total cooling load calculation**	**28309**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.5	44000	Sensible (SHR = 0.75)	147.6	33000
Heat Pump + Auxiliary(0.0kW)	119.5	44000	Latent	184.7	11000
			Total (Electric Heat Pump)	155.4	44000

WINTER CALCULATIONS

Winter Heating Load (for 1859 sqft)

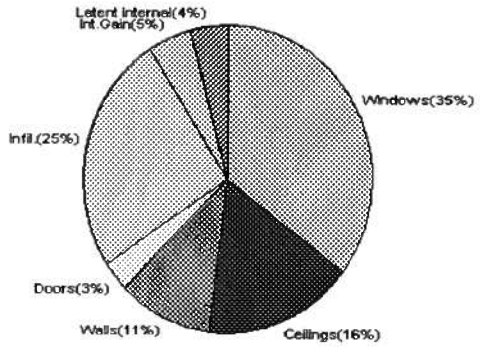
Load component			Load	
Window total	276	sqft	8878	Btuh
Wall total	1515	sqft	4976	Btuh
Door total	90	sqft	1166	Btuh
Ceiling total	2027	sqft	2389	Btuh
Floor total	215	sqft	9387	Btuh
Infiltration	248	cfm	10040	Btuh
Duct loss			0	Btuh
Subtotal			**36835**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**36835**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1859 sqft)

Load component			Load	
Window total	276	sqft	10025	Btuh
Wall total	1515	sqft	2997	Btuh
Door total	90	sqft	882	Btuh
Ceiling total	2027	sqft	4648	Btuh
Floor total			0	Btuh
Infiltration	130	cfm	2422	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**22353**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4756	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**5956**	**Btuh**
TOTAL HEAT GAIN			**28309**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 5/21/07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Jake And Anna Roche | Project Title: RocheJake | Class 3 Rating
Registration No. 0
Lake City, FL | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 5/21/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
3	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	E	5.8	32.2	187 Btuh
6	2, Clear, Metal, 0.87	N	36.0	32.2	1159 Btuh
7	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
8	2, Clear, Metal, 0.87	S	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	S	12.0	32.2	386 Btuh
10	2, Clear, Metal, 0.87	S	18.7	32.2	602 Btuh
11	2, Clear, Metal, 0.87	S	11.3	32.2	364 Btuh
12	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
13	2, Clear, Metal, 0.87	W	4.0	32.2	129 Btuh
14	2, Clear, Metal, 0.87	W	15.0	32.2	483 Btuh
15	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh
	Window Total		276(sqft)		8878 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1231	3.3	4043 Btuh
2	Frame - Wood - Adj(0.09)	13.0	284	3.3	933 Btuh
	Wall Total		1515		4976 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		70	12.9	906 Btuh
	Door Total		90		1166Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Unvented Attic/D/Shin)	30.0	2027	1.2	2389 Btuh
	Ceiling Total		2027		2389Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	215.0 ft(p)	43.7	9387 Btuh
	Floor Total		215		9387 Btuh
			Zone Envelope Subtotal:		26795 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	18590	247.9	10040 Btuh
Ductload	Unsealed, R6.0, Supply(Cond.), Return(Cond)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**36835 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jake And Anna Roche

Lake City, FL

Project Title:
RocheJake

Class 3 Rating
Registration No. 0
Climate: North

5/21/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	36835 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36835 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Jake And Anna Roche | Project Title: RocheJake | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 5/21/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
3	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	E	5.8	32.2	187 Btuh
6	2, Clear, Metal, 0.87	N	36.0	32.2	1159 Btuh
7	2, Clear, Metal, 0.87	E	16.0	32.2	515 Btuh
8	2, Clear, Metal, 0.87	S	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	S	12.0	32.2	386 Btuh
10	2, Clear, Metal, 0.87	S	18.7	32.2	602 Btuh
11	2, Clear, Metal, 0.87	S	11.3	32.2	364 Btuh
12	2, Clear, Metal, 0.87	S	20.0	32.2	644 Btuh
13	2, Clear, Metal, 0.87	W	4.0	32.2	129 Btuh
14	2, Clear, Metal, 0.87	W	15.0	32.2	483 Btuh
15	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh
	Window Total		276(sqft)		8878 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1231	3.3	4043 Btuh
2	Frame - Wood - Adj(0.09)	13.0	284	3.3	933 Btuh
	Wall Total		1515		4976 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		70	12.9	906 Btuh
	Door Total		90		1166Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Unvented Attic/D/Shin)	30.0	2027	1.2	2389 Btuh
	Ceiling Total		2027		2389Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	215.0 ft(p)	43.7	9387 Btuh
	Floor Total		215		9387 Btuh
			Zone Envelope Subtotal:		26795 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	18590	247.9	10040 Btuh
Ductload	Unsealed, R6.0, Supply(Cond.), Return(Cond)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**36835 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jake And Anna Roche

Lake City, FL

Project Title:
RocheJake

Class 3 Rating
Registration No. 0
Climate: North

5/21/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	36835 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36835 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Jake And Anna Roche

Project Title: RocheJake

Class 3 Rating
Registration No. 0

Lake City, FL

Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/21/2007

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, None,N,N	N	13.5f	9.5ft.	30.0	0.0	30.0	29	29	869 Btuh
2	2, Clear, 0.87, None,N,N	NW	14ft.	9.5ft.	10.0	0.0	10.0	29	60	600 Btuh
3	2, Clear, 0.87, None,N,N	N	8.83	7ft.	20.0	0.0	20.0	29	29	579 Btuh
4	2, Clear, 0.87, None,N,N	W	40.8	7.5ft.	20.0	20.0	0.0	29	80	579 Btuh
5	2, Clear, 0.87, None,N,N	E	40.8	0ft.	5.8	5.8	0.0	29	80	168 Btuh
6	2, Clear, 0.87, None,N,N	N	1.5ft.	7ft.	36.0	0.0	36.0	29	29	1043 Btuh
7	2, Clear, 0.87, None,N,N	E	1.5ft.	5ft.	16.0	1.0	15.0	29	80	1223 Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft.	7ft.	45.0	45.0	0.0	29	34	1303 Btuh
9	2, Clear, 0.87, None,N,N	S	1.5ft.	2ft.	12.0	12.0	0.0	29	34	348 Btuh
10	2, Clear, 0.87, None,N,N	S	6ft.	10ft.	18.7	18.7	0.0	29	34	542 Btuh
11	2, Clear, 0.87, None,N,N	S	6ft.	2ft.	11.3	11.3	0.0	29	34	327 Btuh
12	2, Clear, 0.87, None,N,N	S	0ft.	0ft.	20.0	0.0	20.0	29	34	673 Btuh
13	2, Clear, 0.87, None,N,N	W	1.5ft.	2ft.	4.0	1.0	3.0	29	80	269 Btuh
14	2, Clear, 0.87, None,N,N	W	1.5ft.	6ft.	15.0	0.7	14.3	29	80	1156 Btuh
15	2, Clear, 0.87, None,N,N	N	13.3	2ft.	12.0	0.0	12.0	29	29	348 Btuh
	Window Total				276 (sqft)					10025 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1231.2	2.1	2568 Btuh
2	Frame - Wood - Adj	13.0/0.09	284.0	1.5	429 Btuh
	Wall Total		1515 (sqft)		2997 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	70.0	9.8	686 Btuh
	Door Total	90 (sqft)		882 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Unvented Attic/DarkShingle	30.0	2027.0	2.3	4648 Btuh
	Ceiling Total		2027 (sqft)		4648 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	215 (ft(p))	0.0	0 Btuh
	Floor Total		215.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		18551 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.42	18590	130.1	2422 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Unsealed, R6.0, Supply(Conditioned), Return(Conditioned)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**22353 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jake And Anna Roche

Lake City, FL

Project Title:
RocheJake

Class 3 Rating
Registration No. 0
Climate: North

5/21/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**22353 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**22353 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**22353 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4756 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5956 Btuh**
	TOTAL GAIN	**28309 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Jake And Anna Roche

Project Title: RocheJake

Class 3 Rating
Registration No. 0

Lake City, FL

Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/21/2007

Component Loads for Zone #1: Main

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, None,N,N	N	13.5f	9.5ft.	30.0	0.0	30.0	29	29	869 Btuh
2	2, Clear, 0.87, None,N,N	NW	14ft.	9.5ft.	10.0	0.0	10.0	29	60	600 Btuh
3	2, Clear, 0.87, None,N,N	N	8.83	7ft.	20.0	0.0	20.0	29	29	579 Btuh
4	2, Clear, 0.87, None,N,N	W	40.8	7.5ft.	20.0	20.0	0.0	29	80	579 Btuh
5	2, Clear, 0.87, None,N,N	E	40.8	0ft.	5.8	5.8	0.0	29	80	168 Btuh
6	2, Clear, 0.87, None,N,N	N	1.5ft.	7ft.	36.0	0.0	36.0	29	29	1043 Btuh
7	2, Clear, 0.87, None,N,N	E	1.5ft.	5ft.	16.0	1.0	15.0	29	80	1223 Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft.	7ft.	45.0	45.0	0.0	29	34	1303 Btuh
9	2, Clear, 0.87, None,N,N	S	1.5ft.	2ft.	12.0	12.0	0.0	29	34	348 Btuh
10	2, Clear, 0.87, None,N,N	S	6ft.	10ft.	18.7	18.7	0.0	29	34	542 Btuh
11	2, Clear, 0.87, None,N,N	S	6ft.	2ft.	11.3	11.3	0.0	29	34	327 Btuh
12	2, Clear, 0.87, None,N,N	S	0ft.	0ft.	20.0	0.0	20.0	29	34	673 Btuh
13	2, Clear, 0.87, None,N,N	W	1.5ft.	2ft.	4.0	1.0	3.0	29	80	269 Btuh
14	2, Clear, 0.87, None,N,N	W	1.5ft.	6ft.	15.0	0.7	14.3	29	80	1156 Btuh
15	2, Clear, 0.87, None,N,N	N	13.3	2ft.	12.0	0.0	12.0	29	29	348 Btuh
	Window Total				276 (sqft)					10025 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1231.2	2.1	2568 Btuh
2	Frame - Wood - Adj	13.0/0.09	284.0	1.5	429 Btuh
	Wall Total		1515 (sqft)		2997 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	70.0	9.8	686 Btuh
	Door Total	90 (sqft)		882 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Unvented Attic/DarkShingle	30.0	2027.0	2.3	4648 Btuh
	Ceiling Total		2027 (sqft)		4648 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	215 (ft(p))	0.0	0 Btuh
	Floor Total		215.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		18551 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.42	18590	130.1	2422 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	0	1380 Btuh

Duct load			
Unsealed, R6.0, Supply(Conditioned), Return(Conditioned)	DGM = 0.00	0.0 Btuh

	Sensible Zone Load	**22353 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jake And Anna Roche

Lake City, FL

Project Title:
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WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**22353 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**22353 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**22353 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4756 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5956 Btuh**
	TOTAL GAIN	**28309 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Jake And Anna Roche

Lake City, FL

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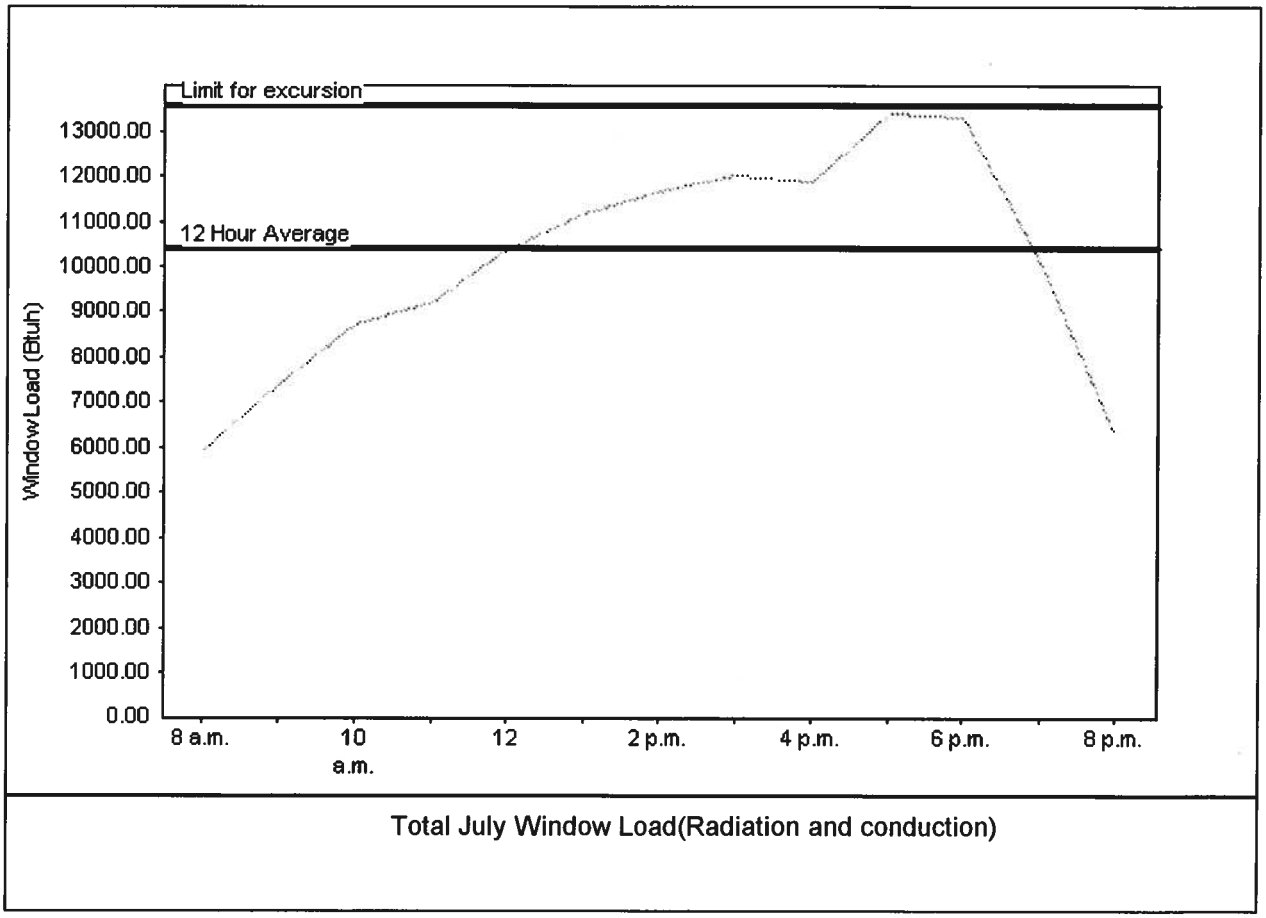
Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	10417 Btu
Summer setpoint	75 F	Peak window load for July	13366 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	13542 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 5/21/07