DATE 08/27/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027295

APPLICANT BARBARA WEBSTER PHONE 719-7143

ADDRESS 125 SW MIDTOWN PLACE LAKE CITY FL 32055

OWNER VENTURE POINTE, LLC PHONE 755-0808

ADDRESS 198 SW HYDRAULIC WAY LAKE CITY FL 32024

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY 47S, TL ON HYDRAULIC WAY, 3RD LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 78050.00

HEATED FLOOR AREA 1271.00 TOTAL AREA 1561.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 15

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 35-4S-16-03281-004 SUBDIVISION ____

LOT ____ BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 0.47

000001666	____	CBC059323	x Barbara Webster
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

WAIVER	08-515	BK	WR	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 10939

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 $ 395.00 CERTIFICATION FEE $ 7.81 SURCHARGE FEE $ 7.81

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** 485.62

INSPECTORS OFFICE L. H. CLERKS OFFICE CH

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0807-45 Date Received 7/18/08 By GT Permit # 16666/27295

Zoning Official BLK Date 7.28.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE 1' above Rd River N/A Plans Examiner JWB Date 8/20/08

Comments

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

☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor

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

Septic Permit No. Barbara Wester Fax 386-719-4757

Name Authorized Person Signing Permit Samantha Harrington Phone 386-719-7143

Address 125 SW Midtown Pl Lake City, FL 32055

Owners Name Venture Pointe, LLC Phone 386-755-0808

911 Address 198 SW Hydraulic Way, Lake City, FL 32024

Contractors Name Isaac Construction/Isaac Bratkovich Phone 386-719-7143

Address 125 SW Midtown Pl Lake City, FL 32055

Fee Simple Owner Name & Address

Bonding Co. Name & Address None

Architect/Engineer Name & Address Mark Disosway PO Box 868 Lake City, FL 32056

Mortgage Lenders Name & Address Capital City 4040 NW 16th Blvd, Gainsville, FL 32605

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

Property ID Number 35-4S-16-03281-004 Estimated Cost of Construction 65,000.00

Subdivision Name N/A Lot N/A Block N/A Unit N/A Phase N/A

Driving Directions SW SR 47 to SW Hydraulic Way. 3rd parcel on left

Number of Existing Dwellings on Property

Construction of new home SFD Total Acreage .470 Lot Size

Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive Total Building Height 15'8

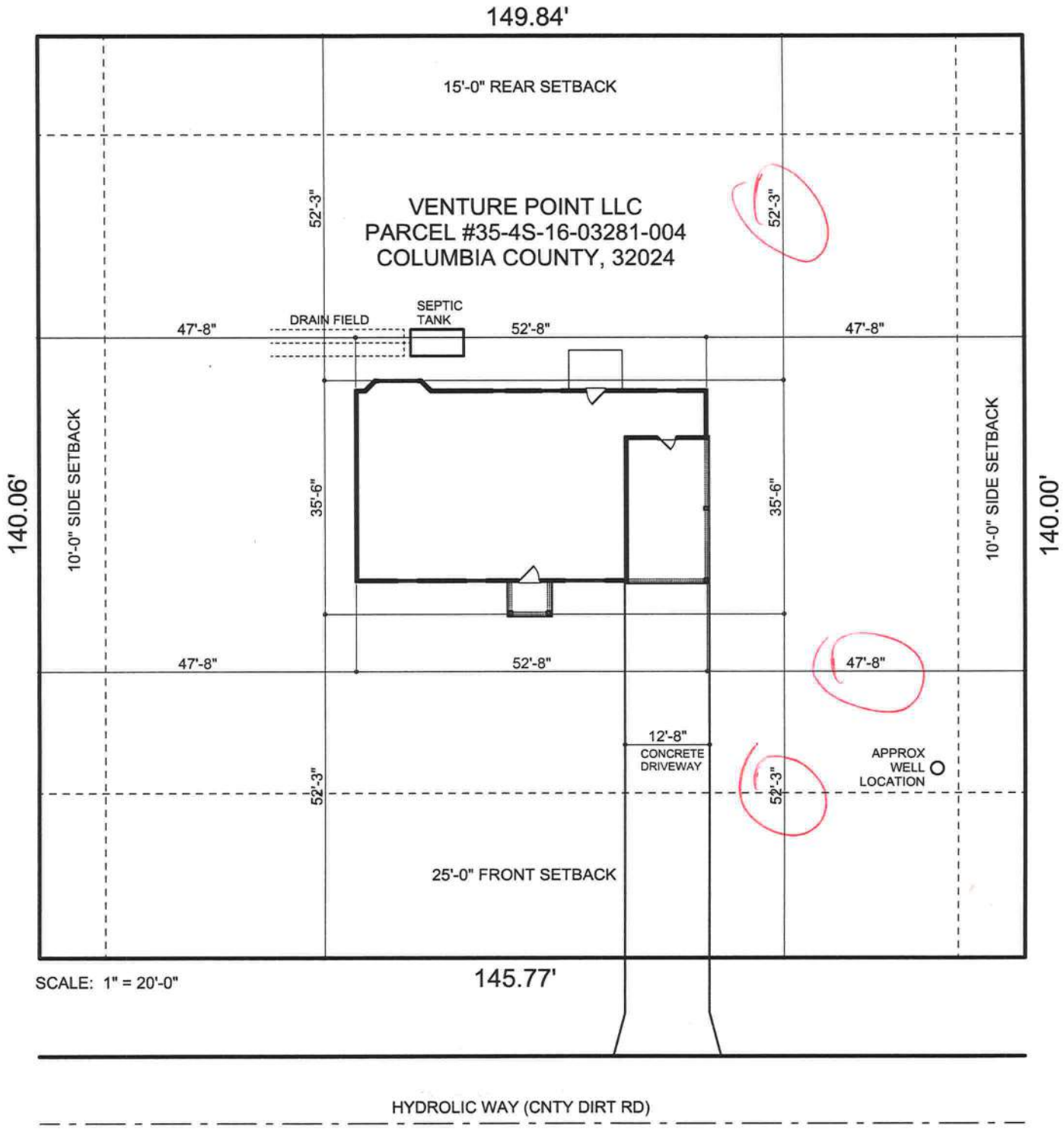
Actual Distance of Structure from Property Lines - Front 52'3 Side 47'8 Side 47'8 Rear 52'3

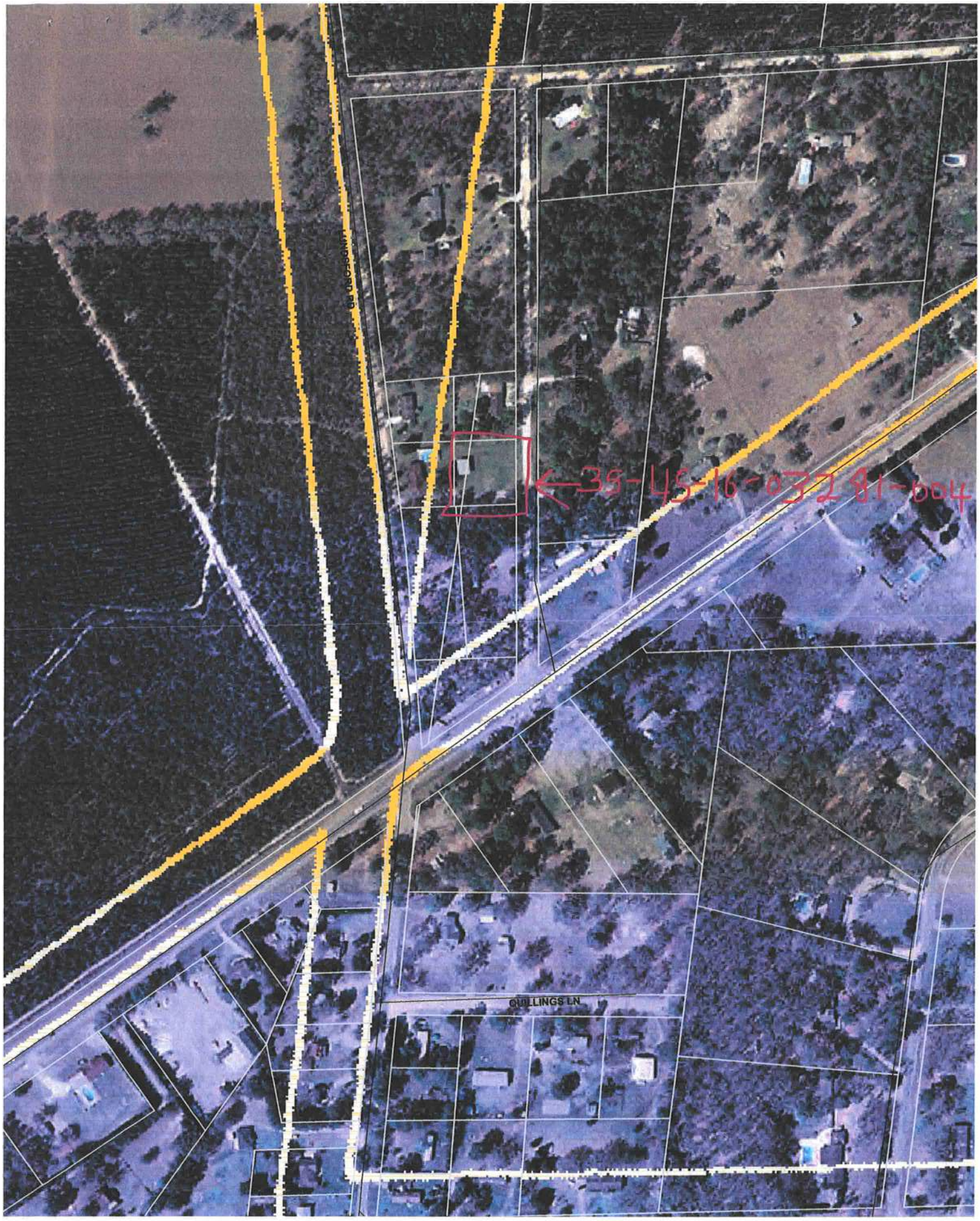
Number of Stories 1 Heated Floor Area 1271 Total Floor Area 1561 Roof Pitch 6/12

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

Page 1 of 2 (Both Pages must be submitted together.) ISAAC called about application 8.26.08 Revised 11-30-07

JW called ISAAC 8.26.08 - left message


149.84'
15'-0" REAR SETBACK
VENTURE POINT LLC
PARCEL #35-4S-16-03281-004
COLUMBIA COUNTY, 32024
52'-3"
52'-3"
SEPTIC TANK
DRAIN FIELD
47'-8"
52'-8"
47'-8"
140.06'
10'-0" SIDE SETBACK
35'-6"
35'-6"
10'-0" SIDE SETBACK
140.00'
47'-8"
52'-8"
47'-8"
12'-8"
CONCRETE DRIVEWAY
APPROX WELL LOCATION
52'-3"
52'-3"
25'-0" FRONT SETBACK
SCALE: 1" = 20'-0"
145.77'
HYDROLIC WAY (CNTY DIRT RD)



0807-45

Prepared by & Return to:
Matthew D. Rocco
Sierra Title, LLC
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

File Number: 07-0458

Inst:200812004990 Date:3/12/2008 Time:1:53 PM
Doc Stamp-Deed:87.50
DC,P.DeWitt Cason,Columbia County Page 1 of 2

General Warranty Deed

Made this March 4, 2008 A.D. By **Isaac T. Mcbride and his wife, Michelle A. Mcbride**, whose post office address is: 227 SW Lunsford Terrace, Lake City, Florida 32025-, hereinafter called the grantor, to **Venture Pointe, LLC, a Florida Limited Liability Company**, whose post office address is: P.O. Box 304, 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 Attached Schedule "A"

Parcel ID Number: **R03281-004**

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, 2007.

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 MELINDA WEAVER

Isaac T. Mcbride (Seal)
Isaac T. Mcbride
Address: 227 SW Lunsford Terrace, Lake City, Florida 32025-

Michelle A. McBride (Seal)
Michelle A. Mcbride
Address:

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 4th day of March, 2008, by Isaac T. Mcbride and his wife, Michelle A. Mcbride, who is/are personally known to me or who has produced A Drivers License as identification.

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

Notary Public
Print Name:

My Commission Expires:

Ticor Title Insurance

ALTA COMMITMENT

Agent's File Number: 07-0458A

Commitment Number: 07-0458

Schedule A, Continuation Page

COMMENCE AT THE NORTHEAST CORNER OF THE NE 1/4 OF THE SE 1/4, SECTION 35, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN S 87°16'30" W, A DISTANCE OF 20.00 FEET TO THE WEST SIDE OF A COUNTY GRADED ROAD, RUN THENCE S 00°16' 00"W, ALONG GRADED ROAD 796.78 FEET, TO THE P.O.B., RUN THENCE S 00°16' 00"W, 145.77 FEET, RUN THENCE S 88°36'00" W, 140.06 FEET; RUN THENCE N.00°16'00" E., 149.84 FEET; RUN THENCE S 89°44'00" E., 140.00 FEET TO THE POINT OF BEGINNING. BEING A PART OF THE NE 1/4 OF THE SE 1/4, SECTION 35, TOWNSHIP 4 SOUTH, RANGE 16 EAST., AND A PART OF THE NW 1/4 OF THE SW 1/4, SECTION 36, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

Columbia County Property Appraiser

DB Last Updated: 4/15/2008

2008 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Parcel: 35-4S-16-03281-004

Owner & Property Info

Search Result: 1 of 1

Owner's Name	VENTURE POINTE LLC		
Site Address			
Mailing Address	P O BOX 304 LAKE CITY, FL 32056		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	35416.03	**Tax District**	3
UD Codes	MKTA01	**Market Area**	01
Total Land Area	0.470 ACRES		
Description	COMM 20 FT W & 796.78 FT, S OF NE COR OF NE1/4 OF SE1/4 FOR POB, RUN S 145.77 FT, W 140.06 FT, N 149.84 FT, E 140 FT TO POB. ORB 361-150, 572-237 WD 1022-2997, WD 1145-1003		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$13,806.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$13,806.00

Just Value	$13,806.00
Class Value	$0.00
Assessed Value	$13,806.00
Exempt Value	$0.00
Total Taxable Value	$13,806.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
3/4/2008	1145/1003	WD	I	Q		$12,500.00
8/6/2004	1022/2997	WD	I	Q		$133,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	.470 AC	1.00/1.00/1.53/1.00	$29,374.47	$13,806.00

Columbia County Property Appraiser DB Last Updated: 4/15/2008

1 of 1

Disclaimer

This information was derived from data which was compiled by the Columbia County Property Appraiser's Office solely for the government purpose of property assessment. The information shown is a **work in progress** and should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's Office. The assessed values are **NOT CERTIFIED** values and therefore are subject to change before finalized for ad-valorem assessment purposes.

Notice:
Under Florida Law, e-mail addresses are public record. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead contact this office by phone or in writing.

Scroll to Top

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 7/9/2008 **DATE ISSUED:** 7/11/2008

ENHANCED 9-1-1 ADDRESS:

198 SW HYDRAULIC WAY

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

35-4S-16-03281-004

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.

1242

Nickleson

FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS

Detail by Entity Name

Florida Limited Liability Company

VENTURE POINTE, LLC

Filing Information

Document Number	L05000021112
FEI Number	N/A
Date Filed	03/02/2005
State	FL
Status	ACTIVE

Principal Address

POST OFFICE BOX 304
LAKE CITY FL 32056

Mailing Address

POST OFFICE BOX 304
LAKE CITY FL 32056

Registered Agent Name & Address

NICKELSON, AARON
426 SW COMMERCE DRIVE SUITE 130
LAKE CITY FL 32025 US

Manager/Member Detail

Name & Address

Title MGR

NICKELSON, AARON
POST OFFICE BOX 304
LAKE CITY FL 32056 US

Annual Reports

Report Year	Filed Date
2006	01/27/2006
2007	01/04/2007

Document Images

01/04/2007 -- ANNUAL REPORT View image in PDF format

01/27/2006 -- ANNUAL REPORT View image in PDF format

03/02/2005 -- Florida Limited Liability View image in PDF format

Note: This is not official record. See documents if question or conflict.

Previous on List **Next on List** **Return To List**

No Events **No Name History**

Entity Name Search

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (386) 752-1854
FAX (386) 755-7022
904 NW MAIN BLVD.
LAKE CITY, FLORIDA 32055

July 17, 2008

Notice To All Contractors:

Please be advised that due to the new building codes we will Use a large capacity diaphragm tank on all new well. This will in sure a minimum of one (1) minute draw down or One (1) minute refill. If a smaller diaphragm tank is used then We will install a cycle stop valve which will produce the same Results. All wells will have a pump & tank combination that Will be sufficient enough for each situation.

If you have any questions please feel free to call our office.

Thank You,

Donald Hall

NOTICE OF COMMENCEMENT

Inst 200812013552 Date:7/18/2008 Time:4:05 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1154 P:2557

Tax Parcel Identification Number 35-4S-16-03281-004

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

1. Description of property *(legal description)*: Comm 20 FT W & 796.78 FT, S of NE Cor of NE¼ of SE¼ For POB, Run S 145.77 FT, W 140.06 FT N 149.84 FT, E 140 FT TO POB. ORB 361-150, 522-237, WD 1022-299, WD 1145-100
   a) Street *(job)* Address: SW Walter Ave
2. General description of improvements: building Custom home
3. Owner Information
   a) Name and address: Venture Point, LLC PO Box 304 Lake City, FL 32056
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property owner
4. Contractor Information
   a) Name and address: Isaac Construction, LLC 125 SW Midtown Pl Lake City, FL 32025
   b) Telephone No.: 386-719-7143 Fax No. (Opt.) 386-719-4757
5. Surety Information
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: Capital City 4040 NW 16th Blvd., Gainsville, FL 32605
   b) Phone No. 352-337-2236
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Aaron Nickelson / President
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 14th day of July, 2008, by:

Aaron Nickelson as President **(type of authority, e.g. officer, trustee, attorney fact)** for Venture Point, LLC **(name of party on behalf of whom instrument was executed).**

Personally Known X OR Produced Identification ____ Type _____

Notary Signature Barbara C Webster Notary Stamp or Seal:

NOTARY PUBLIC STATE OF FLORIDA
BARBARA C. WEBSTER
MY COMMISSION # DD 800888
EXPIRES: July 2, 2012
Bonded Thru Budget Notary Services

—AND—

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

_____
Signature of Natural Person Signing (in line #10 above.)

Residential System Sizing Calculation

Summary

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

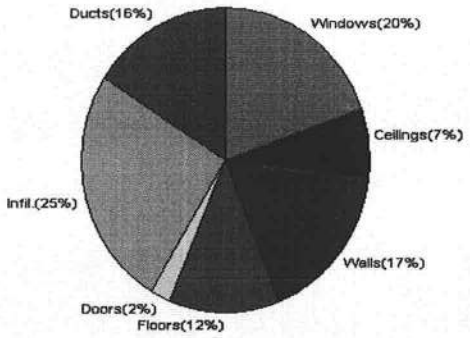
6/27/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**21803**	**Btuh**	**Total cooling load calculation**	**32979**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.3	26000	Sensible (SHR = 0.75)	73.4	19500
Heat Pump + Auxiliary(0.0kW)	119.3	26000	Latent	101.4	6500
			Total (Electric Heat Pump)	78.8	26000

WINTER CALCULATIONS

Winter Heating Load (for 1271 sqft)

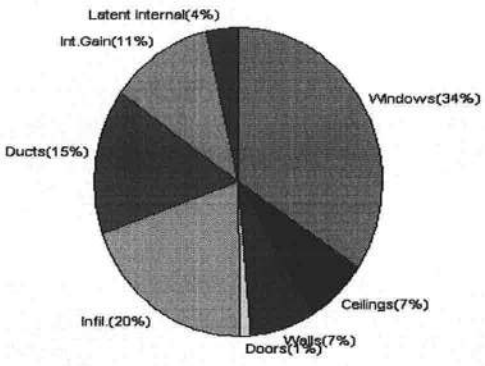
Load component			Load	
Window total	134	sqft	4313	Btuh
Wall total	1138	sqft	3737	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	1350	sqft	1591	Btuh
Floor total	164	sqft	2682	Btuh
Infiltration	136	cfm	5492	Btuh
Duct loss			3470	Btuh
Subtotal			**21803**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**21803**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1271 sqft)

Load component			Load	
Window total	134	sqft	11376	Btuh
Wall total	1138	sqft	2374	Btuh
Door total	40	sqft	392	Btuh
Ceiling total	1350	sqft	2236	Btuh
Floor total			0	Btuh
Infiltration	119	cfm	2208	Btuh
Internal gain			3780	Btuh
Duct gain			4204	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**26569**	**Btuh**
Latent gain(ducts)			874	Btuh
Latent gain(infiltration)			4335	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**6410**	**Btuh**
TOTAL HEAT GAIN			**32979**	**Btuh**



Powered by ACCA MANUAL J

Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 6/27/08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

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

6/27/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	W	18.0	32.2	579 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
	Window Total		134(sqft)		4313 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1138	3.3	3737 Btuh
	Wall Total		1138		3737 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1350	1.2	1591 Btuh
	Ceiling Total		1350		1591Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	164.0 ft(p)	16.4	2682 Btuh
	Floor Total		164		2682 Btuh
			Envelope Subtotal:		12842 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.80	10168	1138 135.6	5492 Btuh
Ductload				(DLM of 0.189)	3470 Btuh
All Zones			**Sensible Subtotal All Zones**		**21803 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	21803 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	21803 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

6/27/2008

EQUIPMENT		
1. Electric Heat Pump	#	26000 Btuh

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

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

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

6/27/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	W	18.0	32.2	579 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
	Window Total		134(sqft)		4313 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1138	3.3	3737 Btuh
	Wall Total		1138		3737 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1350	1.2	1591 Btuh
	Ceiling Total		1350		1591Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	164.0 ft(p)	16.4	2682 Btuh
	Floor Total		164		2682 Btuh
			Zone Envelope Subtotal:		12842 Btuh

Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.80	10168	1138	135.6	5492 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.189)					3470 Btuh
Zone #1	**Sensible Zone Subtotal**					**21803 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	21803 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	21803 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

6/27/2008

EQUIPMENT		
1. Electric Heat Pump	#	26000 Btuh

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

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 6/27/2008

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	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	6.0	0.0	6.0	29	80	477 Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	18.0	0.0	18.0	29	80	1431 Btuh
4	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	20.0	0.0	20.0	29	80	1590 Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	60.0	0.0	60.0	29	80	4771 Btuh
	Excursion									721 Btuh
	Window Total				134 (sqft)					11376 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		1138.0			2.1		2374 Btuh
	Wall Total				1138 (sqft)					2374 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Exterior				40.0			9.8		392 Btuh
	Door Total				40 (sqft)					392 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		1350.0			1.7		2236 Btuh
	Ceiling Total				1350 (sqft)					2236 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		5.0		164 (ft(p))			0.0		0 Btuh
	Floor Total				164.0 (sqft)					0 Btuh
					Envelope Subtotal:					16377 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)	CFM=		Load
	SensibleNatural		0.70		10168		1138	135.6		2208 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			6		X 230		+	2400		3780 Btuh
					Sensible Envelope Load:					22365 Btuh
Duct load					(DGM of 0.188)					4204 Btuh
					Sensible Load All Zones					**26569 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

6/27/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**22365 Btuh**
	Sensible Duct Load	4204 Btuh
	Total Sensible Zone Loads	**26569 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**26569 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4335 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	874 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6410 Btuh**
	TOTAL GAIN	**32979 Btuh**

EQUIPMENT

1. Central Unit	#	26000 Btuh

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

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 6/27/2008

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	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	6.0	0.0	6.0	29	80	477 Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	18.0	0.0	18.0	29	80	1431 Btuh
4	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	20.0	0.0	20.0	29	80	1590 Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	60.0	0.0	60.0	29	80	4771 Btuh
	Window Total				134 (sqft)					10655 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		1138.0			2.1		2374 Btuh
	Wall Total				1138 (sqft)					2374 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Exterior				40.0			9.8		392 Btuh
	Door Total				40 (sqft)					392 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		1350.0			1.7		2236 Btuh
	Ceiling Total				1350 (sqft)					2236 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		5.0		164 (ft(p))			0.0		0 Btuh
	Floor Total				164.0 (sqft)					0 Btuh
							Zone Envelope Subtotal:			15657 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)	CFM=		Load
	SensibleNatural		0.70		10168		1138	118.6		2208 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			6		X 230		+	2400		3780 Btuh
							Sensible Envelope Load:			21644 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.188)		4069 Btuh
							Sensible Zone Load			**25713 Btuh**

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

Windows	July excursion for System 1	721 Btuh
	Excursion Subtotal:	721 Btuh
Duct load		135 Btuh
	Sensible Excursion Load	**856 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

Code Only
Professional Version
Climate: North

6/27/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**22365 Btuh**
	Sensible Duct Load	4204 Btuh
	Total Sensible Zone Loads	**26569 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**26569 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4335 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	874 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6410 Btuh**
	TOTAL GAIN	**32979 Btuh**

EQUIPMENT

1. Central Unit	#	26000 Btuh

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

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Spec House
SW Hydraulic Way
Lake City, FL 32024-

Project Title:
Venture Point LLC - Hydraulic Way

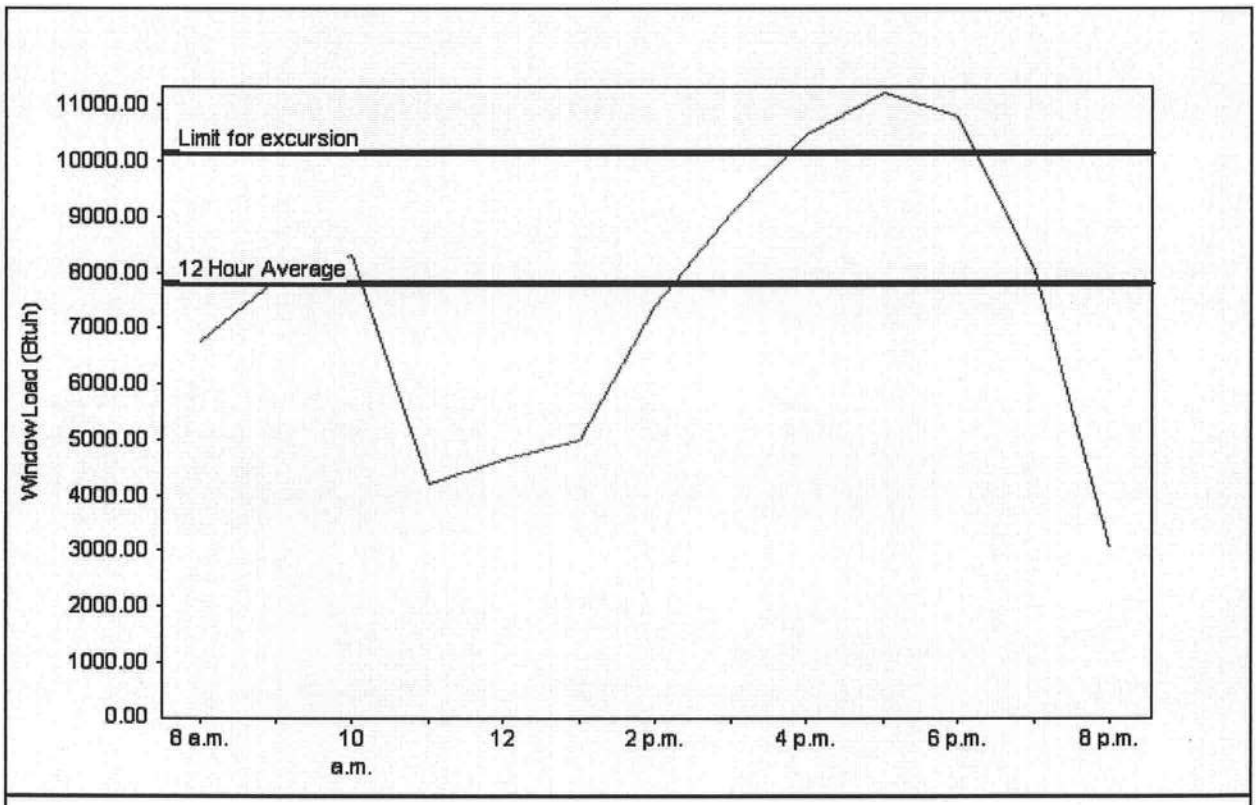
Code Only
Professional Version
Climate: North

6/27/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	7817 Btuh
Summer setpoint	75 F	Peak window load for July	11214 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	10163 Btu
Latitude	29 North	Window excursion (July)	1052 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

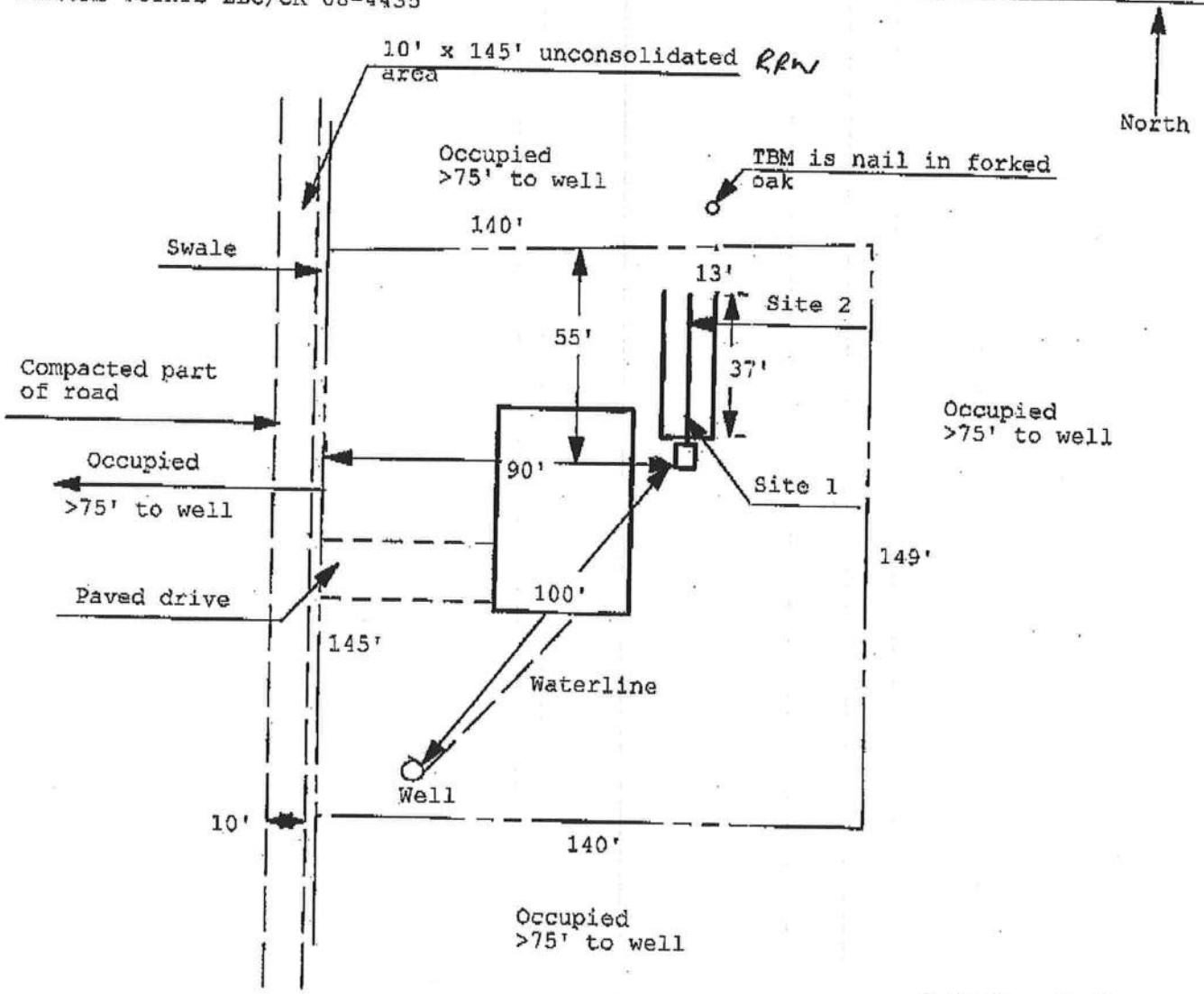
EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: _____

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: D8-0515

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

VENTURE POINTE LLC/CR 08-4435



1 inch = 40 feet

Site Plan Submitted By Land Land Date 8/5/08

Plan Approved ✓ Not Approved ____ Date 8/5/08

By Mark S Zander Col. Co. CPHU

Notes: ____

FORM 600A-2004R EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Venture Point LLC - Hydraulic Way**	Builder:	
Address:	**SW Hydraulic Way**	Permitting Office:	Columbia
City, State:	**Lake City, FL 32024-**	Permit Number:	27295
Owner:	**Spec House**	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: 26.0 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)	1271 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) 134.0 ft²	a. Electric Heat Pump	Cap: 26.0 kBtu/hr
b. SHGC:			HSPF: 7.70
(or Clear or Tint DEFAULT) 7b.	(Clear) 134.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=5.0, 164.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 50.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1138.0 ft²		EF: 0.90
b. N/A		b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	PT,
a. Under Attic	R=30.0, 1350.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 17658
Total base points: 19953

PASS

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

PREPARED BY: _____

DATE: 6/27/08

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Hydraulic Way, Lake City, FL, 32024-** 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	1271.0	18.59	4253.0	1.Double, Clear	W	1.5	8.0	30.0	38.52	0.96	1107.0	
				2.Double, Clear	W	1.5	8.0	6.0	38.52	0.96	221.0	
				3.Double, Clear	W	1.5	8.0	18.0	38.52	0.96	664.0	
				4.Double, Clear	W	1.5	8.0	20.0	38.52	0.96	738.0	
				5.Double, Clear	E	1.5	8.0	60.0	42.06	0.96	2416.0	
				As-Built Total:				**134.0**			**5146.0**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			13.0	1138.0	1.50		1707.0	
Exterior	1138.0	1.70	1934.6									
Base Total:	**1138.0**		**1934.6**	**As-Built Total:**				**1138.0**			**1707.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				40.0	4.10		164.0	
Exterior	40.0	6.10	244.0									
Base Total:	**40.0**		**244.0**	**As-Built Total:**				**40.0**			**164.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1271.0	1.73	2198.8	1. Under Attic			30.0	1350.0	1.73 X 1.00		2335.5	
Base Total:	**1271.0**		**2198.8**	**As-Built Total:**				**1350.0**			**2335.5**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	164.0(p)	-37.0	-6068.0	1. Slab-On-Grade Edge Insulation			5.0	164.0(p	-36.20		-5936.8	
Raised	0.0	0.00	0.0									
Base Total:			**-6068.0**	**As-Built Total:**				**164.0**			**-5936.8**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1271.0	10.21	12976.9					1271.0	10.21		12976.9	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Hydraulic Way, Lake City, FL, 32024-** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 15539.3			**Summer As-Built Points:**					**16392.6**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 26000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			16393	1.00	(1.09 x 1.147 x 0.91)	0.260	0.950	4606.6
15539.3	**0.3250**	**5050.3**	**16392.6**	**1.00**	**1.138**	**0.260**	**0.950**	**4606.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Hydraulic Way, Lake City, FL, 32024-** 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	1271.0	20.17	4614.0	1.Double, Clear	W	1.5	8.0	30.0	20.73	1.01	628.0	
				2.Double, Clear	W	1.5	8.0	6.0	20.73	1.01	125.0	
				3.Double, Clear	W	1.5	8.0	18.0	20.73	1.01	377.0	
				4.Double, Clear	W	1.5	8.0	20.0	20.73	1.01	419.0	
				5.Double, Clear	E	1.5	8.0	60.0	18.79	1.02	1149.0	
				As-Built Total:				**134.0**			**2698.0**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			13.0	1138.0	3.40		3869.2	
Exterior	1138.0	3.70	4210.6									
Base Total:	**1138.0**		**4210.6**	**As-Built Total:**				**1138.0**			**3869.2**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				40.0	8.40		336.0	
Exterior	40.0	12.30	492.0									
Base Total:	**40.0**		**492.0**	**As-Built Total:**				**40.0**			**336.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	1271.0	2.05	2605.6	1. Under Attic			30.0	1350.0	2.05 X 1.00		2767.5	
Base Total:	**1271.0**		**2605.6**	**As-Built Total:**				**1350.0**			**2767.5**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	164.0(p)	8.9	1459.6	1. Slab-On-Grade Edge Insulation			5.0	164.0(p	7.60		1246.4	
Raised	0.0	0.00	0.0									
Base Total:			**1459.6**	**As-Built Total:**				**164.0**			**1246.4**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1271.0	-0.59	-749.9					1271.0	-0.59		-749.9	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Hydraulic Way, Lake City, FL, 32024-** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**12631.9**	**Winter As-Built Points:**						**10167.2**
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 26000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
12631.9	**0.5540**	**6998.1**	10167.2 **10167.2**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.443 **0.443**	0.950 **0.950**	4971.2 **4971.2**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Hydraulic Way, Lake City, FL, 32024-** PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
5050	**6998**	**7905**	**19953**	**4607**	**4971**	**8081**	**17658**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **SW Hydraulic Way, Lake City, FL, 32024-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.5

The higher the score, the more efficient the home.

Spec House, SW Hydraulic Way, Lake City, FL, 32024-

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 26.0 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)	1271 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)	134.0 ft²		a. Electric Heat Pump	Cap: 26.0 kBtu/hr
	b. SHGC:					HSPF: 7.70
	(or Clear or Tint DEFAULT)	7b. (Clear)	134.0 ft²		b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=5.0, 164.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1138.0 ft²				EF: 0.90
	b. N/A				b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1350.0 ft²		15.	HVAC credits	PT,
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 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.

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:	**807184CurtisTony**	Builder:	
Address:	**209 SW Farlington Court**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	27295
Owner:	**Curtis Tony**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New		
2. Single family or multi-family	Single family		
3. Number of units, if multi-family	1		
4. Number of Bedrooms	3		
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	1989 ft²		
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 312.0 ft²		
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 312.0 ft²		
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 169.0(p) ft		
b. Raised Wood, Post or Pier	R=19.0, 48.0ft²		
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior	R=13.0, 1528.0 ft²		
b. Frame, Wood, Adjacent	R=13.0, 569.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1608.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 190.0 ft		
b. N/A			
12. Cooling systems			
a. Central Unit		Cap: 42.0 kBtu/hr	
		SEER: 13.00	
b. N/A			
c. N/A			
13. Heating systems			
a. Electric Heat Pump		Cap: 42.0 kBtu/hr	
		HSPF: 7.50	
b. N/A			
c. N/A			
14. Hot water systems			
a. Electric Resistance		Cap: 40.0 gallons	
		EF: 0.93	
b. N/A			
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)			
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)			

Glass/Floor Area: 0.16

Total as-built points: 28859
Total base points: 29609

PASS

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

PREPARED BY: _____

DATE: 8/28/08 EVAN BEAMSLEY

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: **209 SW Farlington Court, Lake City, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1989.0	20.04	7174.7	Double, Clear	N	9.5	6.0	12.0	19.20	0.65	149.0	
				Double, Clear	NW	10.0	8.0	10.0	25.97	0.60	155.7	
				Double, Clear	N	5.5	8.0	36.0	19.20	0.77	533.8	
				Double, Clear	N	4.5	4.0	12.0	19.20	0.69	159.3	
				Double, Clear	N	1.5	8.0	30.0	19.20	0.97	557.1	
				Double, Clear	S	7.5	10.0	36.0	35.87	0.57	730.0	
				Double, Clear	S	6.5	4.0	24.0	35.87	0.47	400.3	
				Double, Clear	W	0.0	0.0	64.0	38.52	1.00	2465.5	
				Double, Clear	W	0.0	0.0	16.0	38.52	1.00	616.4	
				Double, Clear	W	0.0	0.0	25.0	38.52	1.00	963.1	
				Double, Clear	N	1.5	4.0	9.0	19.20	0.88	152.3	
				Double, Clear	N	1.5	5.0	20.0	19.20	0.92	351.6	
				Double, Clear	NE	1.5	8.0	18.0	29.56	0.96	511.6	
				As-Built Total:				**312.0**			**7745.6**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	569.0	0.70	398.3	Frame, Wood, Exterior	13.0	1528.0	1.50	2292.0
Exterior	1528.0	1.70	2597.6	Frame, Wood, Adjacent	13.0	569.0	0.60	341.4
Base Total:	**2097.0**		**2995.9**	**As-Built Total:**		**2097.0**		**2633.4**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	55.0	1.60	88.0	Exterior Insulated	10.0	4.10	41.0
Exterior	70.0	4.10	287.0	Exterior Insulated	20.0	4.10	82.0
				Exterior Insulated	40.0	4.10	164.0
				Adjacent Insulated	20.0	1.60	32.0
				Adjacent Insulated	17.0	1.60	27.2
				Adjacent Wood	18.0	2.40	43.2
Base Total:	**125.0**		**375.0**	**As-Built Total:**	**125.0**		**389.4**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1342.0	1.73	2321.7	Under Attic	30.0	1608.0	1.73 X 1.00	2781.8
Base Total:	**1342.0**		**2321.7**	**As-Built Total:**		**1608.0**		**2781.8**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **209 SW Farlington Court, Lake City, FL,** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	169.0(p)	-37.0		-6253.0	Slab-On-Grade Edge Insulation	0.0	169.0(p	-41.20		-6962.8
Raised	48.0	-3.99		-191.5	Raised Wood, Post or Pier	19.0	48.0	0.77		36.8
Base Total:				**-6444.5**	**As-Built Total:**		**217.0**			**-6926.0**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	1989.0	10.21		20307.7			1989.0	10.21		20307.7
Summer Base Points: 26730.5					**Summer As-Built Points:**					**26931.9**
Total Summer Points	X System Multiplier	=	Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
					(sys 1: Central Unit 42000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
					26932	1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	8840.0
26730.5	**0.4266**		**11403.2**		**26931.9**	**1.00**	**1.250**	**0.263**	**1.000**	**8840.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **209 SW Farlington Court, Lake City, FL,** PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BWPM	= Points
.18	1989.0	12.74	4561.2

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
Double, Clear	N	9.5	6.0	12.0	24.58	1.02	301.8
Double, Clear	NW	10.0	8.0	10.0	24.30	1.03	249.8
Double, Clear	N	5.5	8.0	36.0	24.58	1.01	896.8
Double, Clear	N	4.5	4.0	12.0	24.58	1.02	300.8
Double, Clear	N	1.5	8.0	30.0	24.58	1.00	738.0
Double, Clear	S	7.5	10.0	36.0	13.30	2.27	1084.6
Double, Clear	S	6.5	4.0	24.0	13.30	3.37	1075.4
Double, Clear	W	0.0	0.0	64.0	20.73	1.00	1326.6
Double, Clear	W	0.0	0.0	16.0	20.73	1.00	331.7
Double, Clear	W	0.0	0.0	25.0	20.73	1.00	518.2
Double, Clear	N	1.5	4.0	9.0	24.58	1.01	222.5
Double, Clear	N	1.5	5.0	20.0	24.58	1.00	493.4
Double, Clear	NE	1.5	8.0	18.0	23.57	1.00	425.0
As-Built Total:				**312.0**			**7964.5**

WALL TYPES	Area X	BWPM	= Points
Adjacent	569.0	3.60	2048.4
Exterior	1528.0	3.70	5653.6
Base Total:	**2097.0**		**7702.0**

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	13.0	1528.0	3.40	5195.2
Frame, Wood, Adjacent	13.0	569.0	3.30	1877.7
As-Built Total:		**2097.0**		**7072.9**

DOOR TYPES	Area X	BWPM	= Points
Adjacent	55.0	8.00	440.0
Exterior	70.0	8.40	588.0
Base Total:	**125.0**		**1028.0**

Type	Area X	WPM	= Points
Exterior Insulated	10.0	8.40	84.0
Exterior Insulated	20.0	8.40	168.0
Exterior Insulated	40.0	8.40	336.0
Adjacent Insulated	20.0	8.00	160.0
Adjacent Insulated	17.0	8.00	136.0
Adjacent Wood	18.0	11.50	207.0
As-Built Total:	**125.0**		**1091.0**

CEILING TYPES	Area X	BWPM	= Points
Under Attic	1342.0	2.05	2751.1
Base Total:	**1342.0**		**2751.1**

Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	30.0	1608.0	2.05 X 1.00	3296.4
As-Built Total:		**1608.0**		**3296.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **209 SW Farlington Court, Lake City, FL,** PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	169.0(p)	8.9	1504.1	Slab-On-Grade Edge Insulation	0.0	169.0(p	18.80		3177.2
Raised	48.0	0.96	46.1	Raised Wood, Post or Pier	19.0	48.0	0.88		42.0
Base Total:			**1550.2**	**As-Built Total:**		**217.0**			**3219.2**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	1989.0	-0.59	-1173.5			1989.0	-0.59		-1173.5
Winter Base Points:			**16418.9**	**Winter As-Built Points:**					**21470.5**
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 42000 btuh ,EFF(7.5) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
				21470.5	1.000	(1.069 x 1.169 x 1.00)	0.455	1.000	12199.1
16418.9	**0.6274**	**10301.2**		**21470.5**	**1.00**	**1.250**	**0.455**	**1.000**	**12199.1**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **209 SW Farlington Court, Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
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
11403	**10301**	**7905**	**29609**	**8840**	**12199**	**7820**	**28859**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **209 SW Farlington Court, Lake City, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.2

The higher the score, the more efficient the home.

Curtis Tony, 209 SW Farlington Court, Lake City, FL,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 42.0 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?	Yes				
6.	Conditioned floor area (ft²)	1989 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) 312.0 ft²			a. Electric Heat Pump	Cap: 42.0 kBtu/hr
	b. SHGC:					HSPF: 7.50
	(or Clear or Tint DEFAULT)	7b. (Clear) 312.0 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 169.0(p) ft			c. N/A	
	b. Raised Wood, Post or Pier	R=19.0, 48.0ft²				
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1528.0 ft²				EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 569.0 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, 1608.0 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: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 190.0 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.

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1TJ28228Z0109155953

Truss Fabricator:	Anderson Truss Company
Job Identification:	8-179--Isaac Construction NICKELSON -- , **
Truss Count:	30
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.36.
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 - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

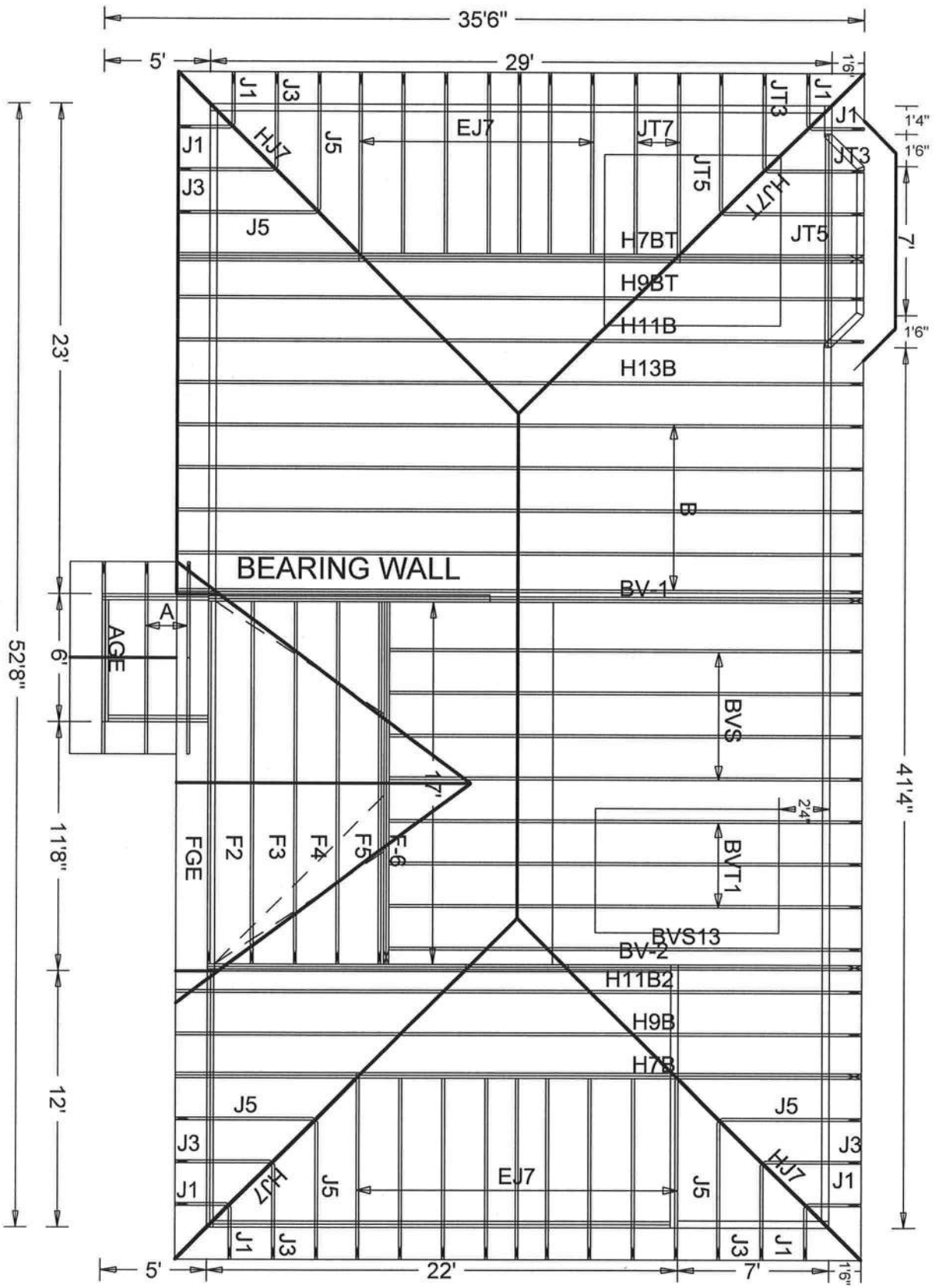
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: A11015EE-GBLLETIN-BRCLBSUB-

Seal Date: 07/09/2008

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

#	Ref Description	Drawing#	Date
1	95608--A	08191011	07/09/08
2	95609--AGE	08191003	07/09/08
3	95610--H7B	08191021	07/09/08
4	95611--H11B	08191015	07/09/08
5	95612--H13B	08191018	07/09/08
6	95613--B	08191019	07/09/08
7	95614--H9B	08191022	07/09/08
8	95615--H11B2	08191023	07/09/08
9	95616--BVS13	08191020	07/09/08
10	95617--BVT1	08191013	07/09/08
11	95618--BVS	08191002	07/09/08
12	95619--H7BT	08191010	07/09/08
13	95620--H9BT	08191006	07/09/08
14	95621--BV-2	08191130	07/09/08
15	95622--BV-1	08191131	07/09/08
16	95623--F-6	08191001	07/09/08
17	95624--FGE	08191134	07/09/08
18	95625--F2	08191135	07/09/08
19	95626--F3	08191127	07/09/08
20	95627--F4	08191128	07/09/08
21	95628--F5	08191129	07/09/08
22	95629--EJ7	08191009	07/09/08
23	95630--J1	08191008	07/09/08
24	95631--HJ7T	08191017	07/09/08
25	95632--HJ7	08191004	07/09/08
26	95633--J3	08191007	07/09/08
27	95634--J5	08191005	07/09/08
28	95635--JT3	08191012	07/09/08
29	95636--JT5	08191014	07/09/08
30	95637--JT7	08191016	07/09/08



JOB NO:	JOB DESCRIPTION:: Isaac Construction /: NICKELSON	
8-179		
PAGE NO:		
1 OF 1		

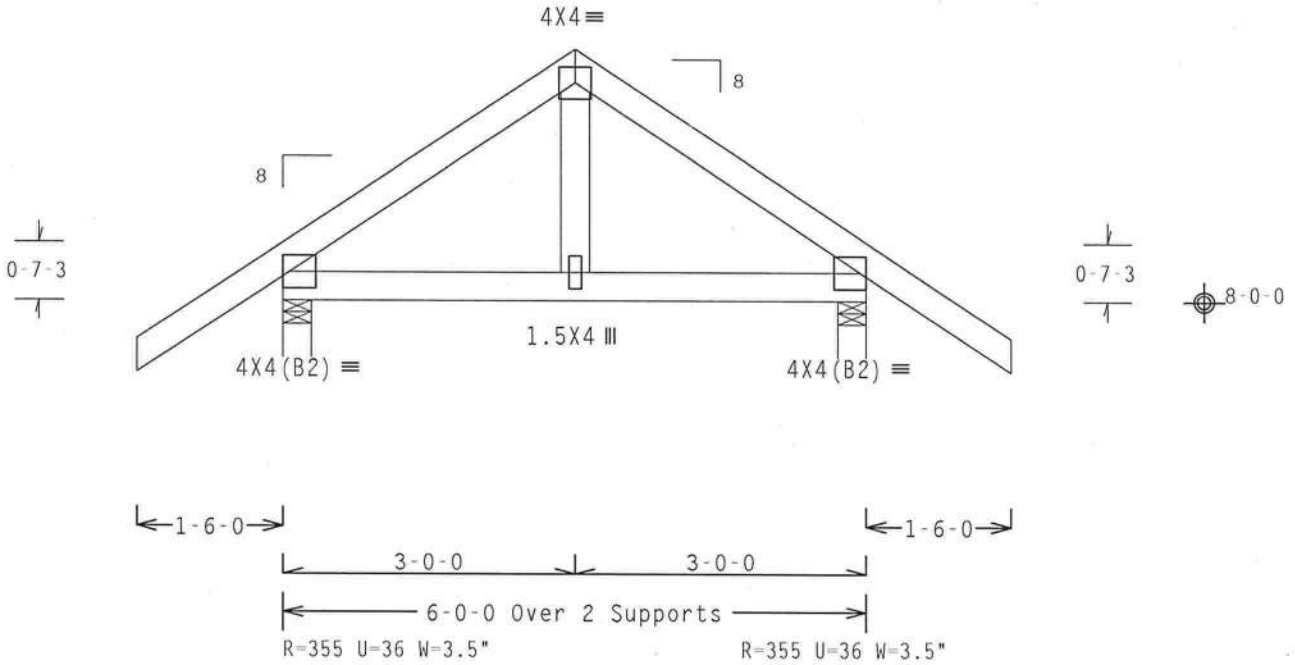
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.04

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 09 '08

TC LL	20.0 PSF	REF R8228- 95608
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191011
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 35291
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

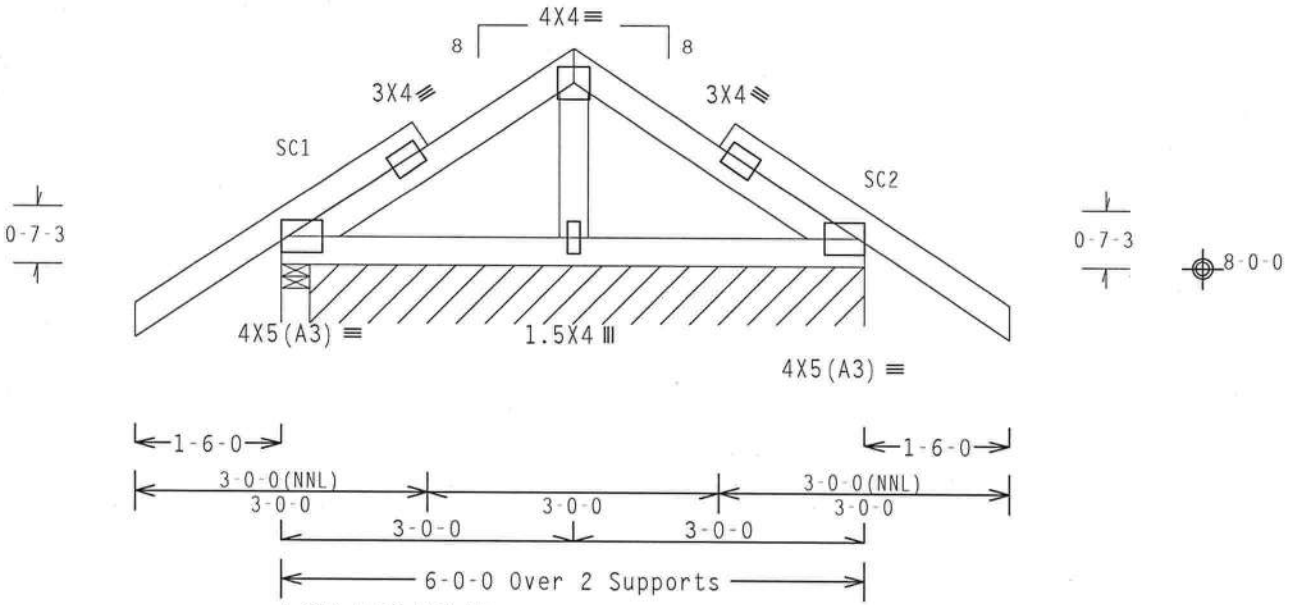
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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JAMES F. COLLINS, JR. LICENSE - No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 09 08

TC LL	20.0 PSF	REF R8228- 95609
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191003
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35295
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Negative reaction(s) of -222# MAX. (See below) from a non-wind load case requires uplift connection.

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

Roof overhang supports 2.00 psf soffit load.

#1 hip supports 7-0-0 jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

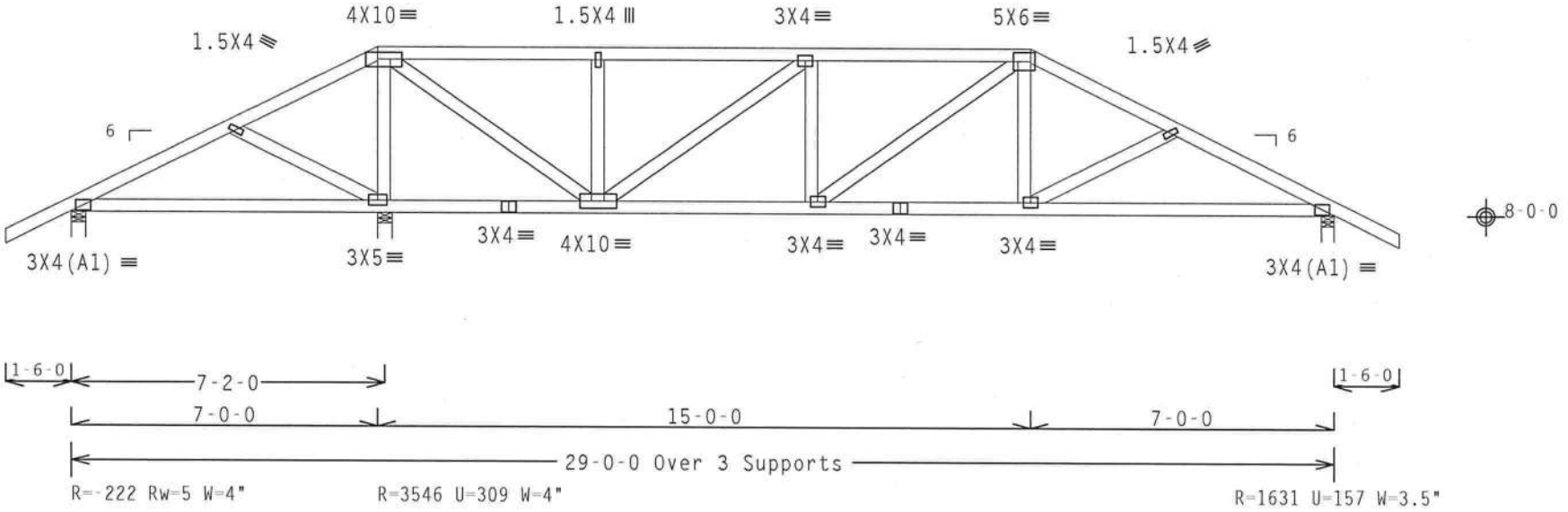
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3"._min.)_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.

Wind reactions based on MWFRS pressures.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang.
Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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Haines City, FL 33844
FL COA #0278

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

Jul 0[illegible]

TC LL	20.0 PSF	REF R8228- 95610
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191021
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35385
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

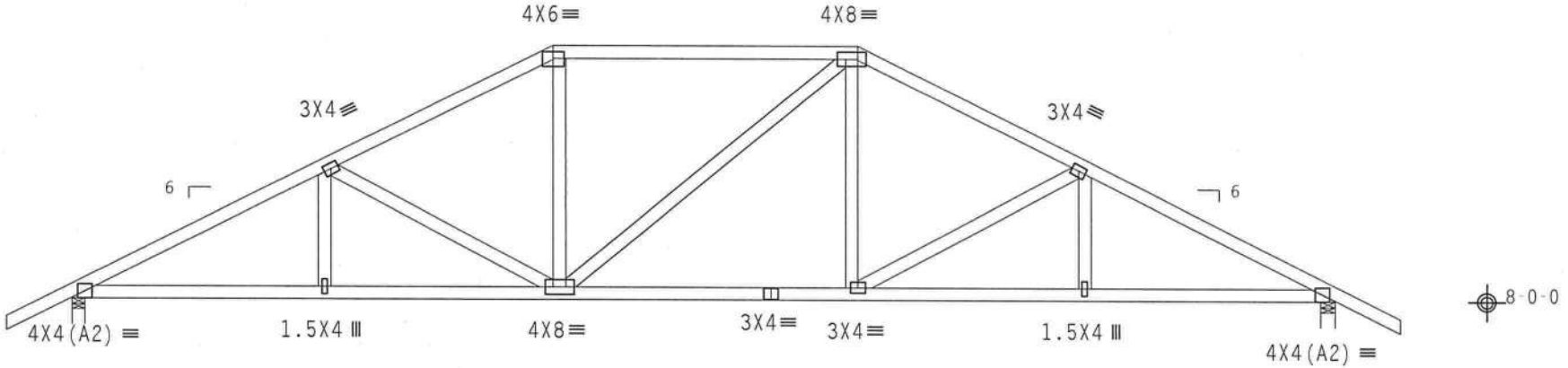
Roof overhang supports 2.00 psf soffit load.

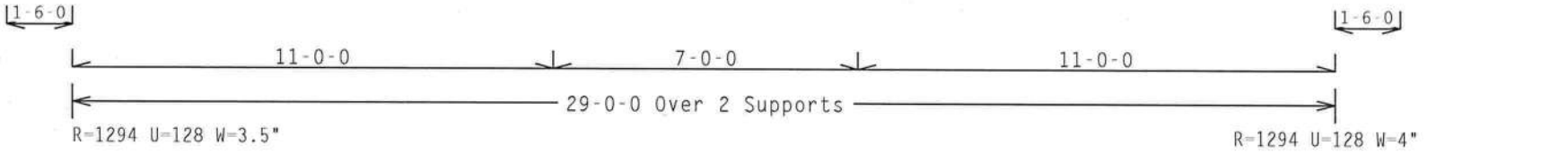
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 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. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 09 '08

TC LL	20.0 PSF	REF R8228- 95611
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191015
BC LL	0.0 PSF	HC-ENG JB/AP *
TOT.LD.	40.0 PSF	SEQN- 35363
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

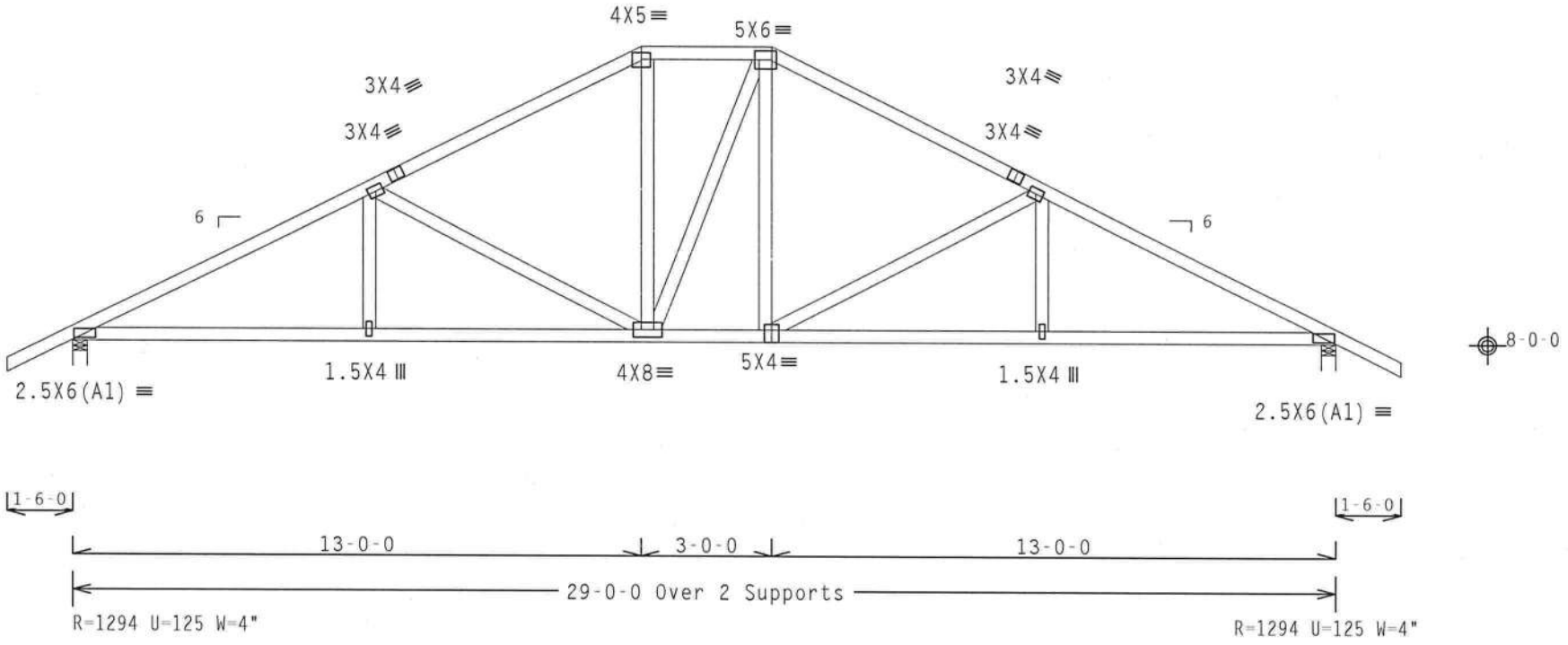
Roof overhang supports 2.00 psf soffit load.

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 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. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.0424 10

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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FL COA #0278

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Jul

TC LL	20.0 PSF	REF R8228- 95612
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191018
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35368
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

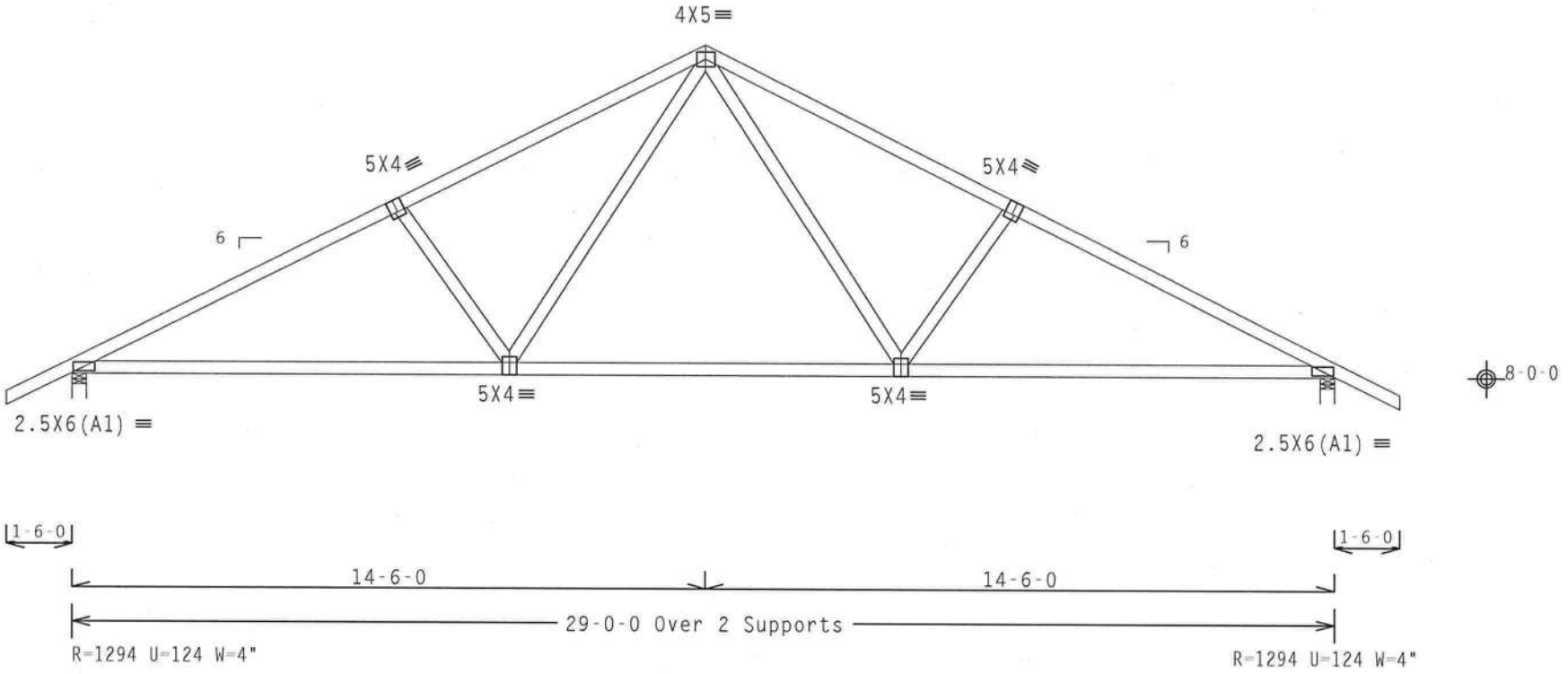
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.04

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL CO[illegible]278

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

Jul 0[illegible]08

TC LL	20.0 PSF	REF R8228- 95613
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191019
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35378
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

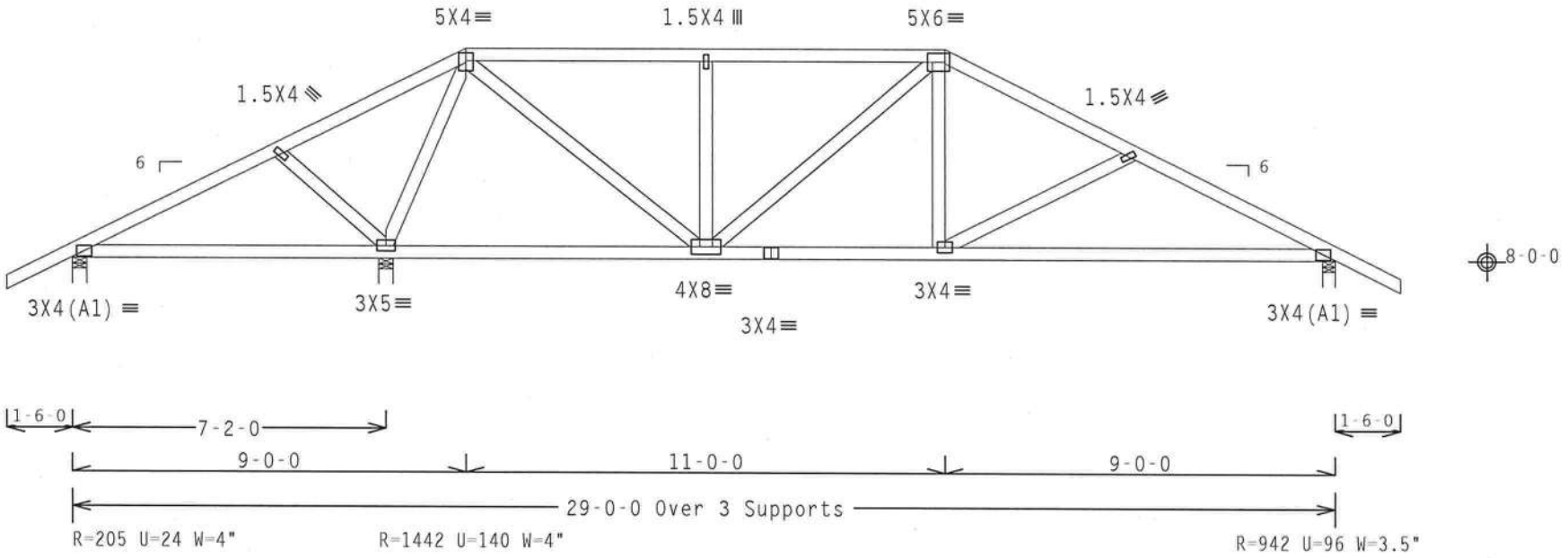
Roof overhang supports 2.00 psf soffit load.

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 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. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.043

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

TC LL	20.0 PSF	REF R8228- 95614
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191022
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35390
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

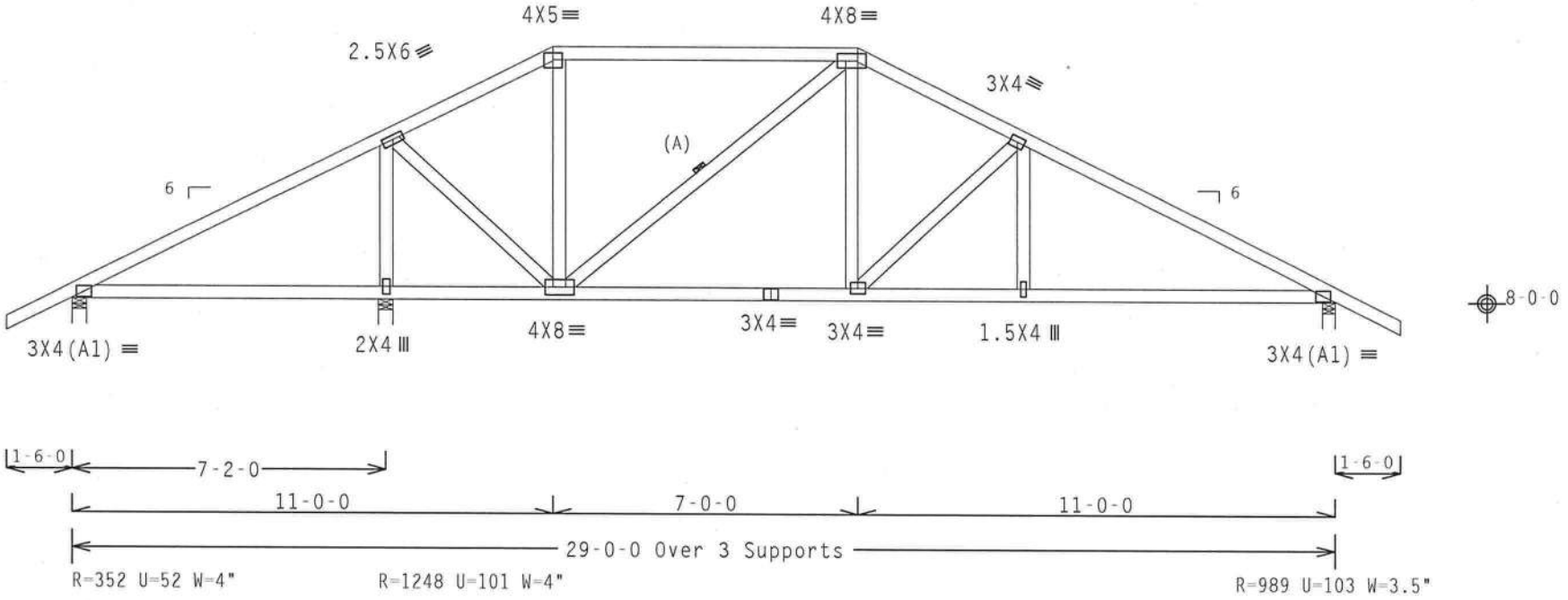
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.043

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 09 '08

TC LL	20.0 PSF	REF R8228- 95615
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191023
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35399
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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

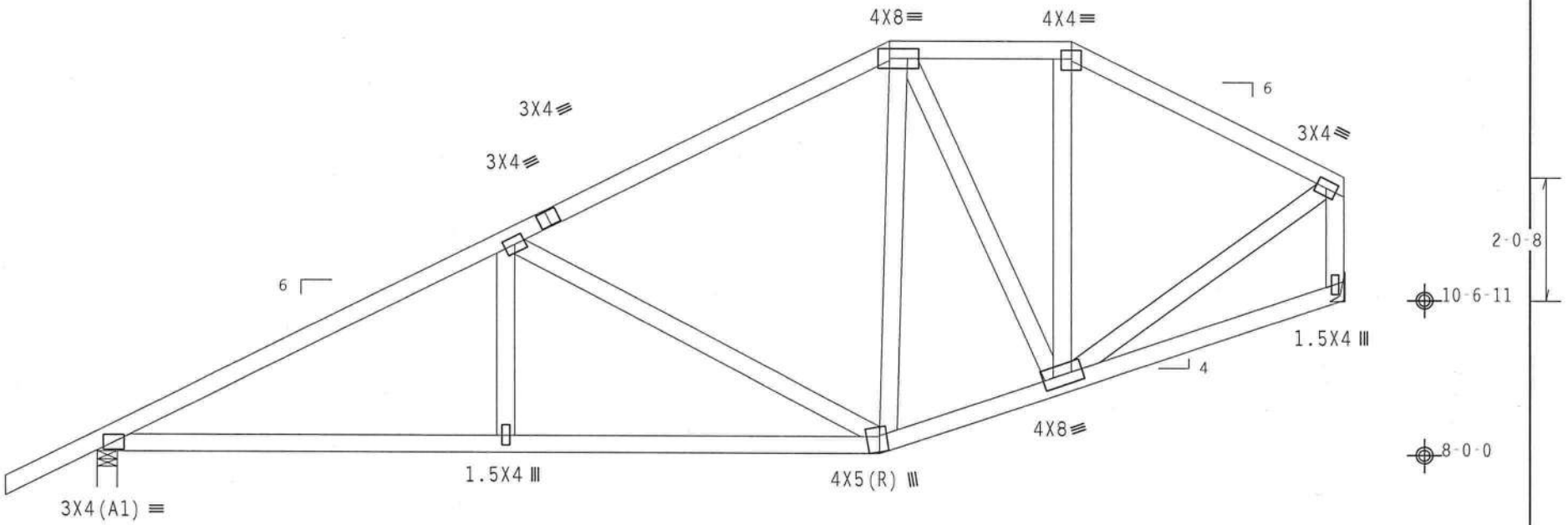
Shim all supports to solid bearing.

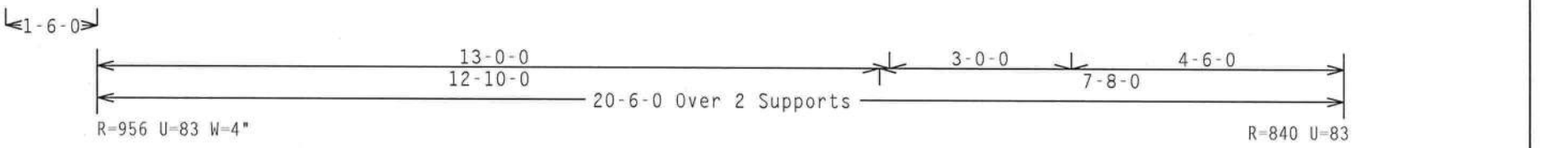
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.0

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/-

Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Jul 09 08

TC LL	20.0 PSF	REF R8228- 95616
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191020
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35405
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense :T1 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

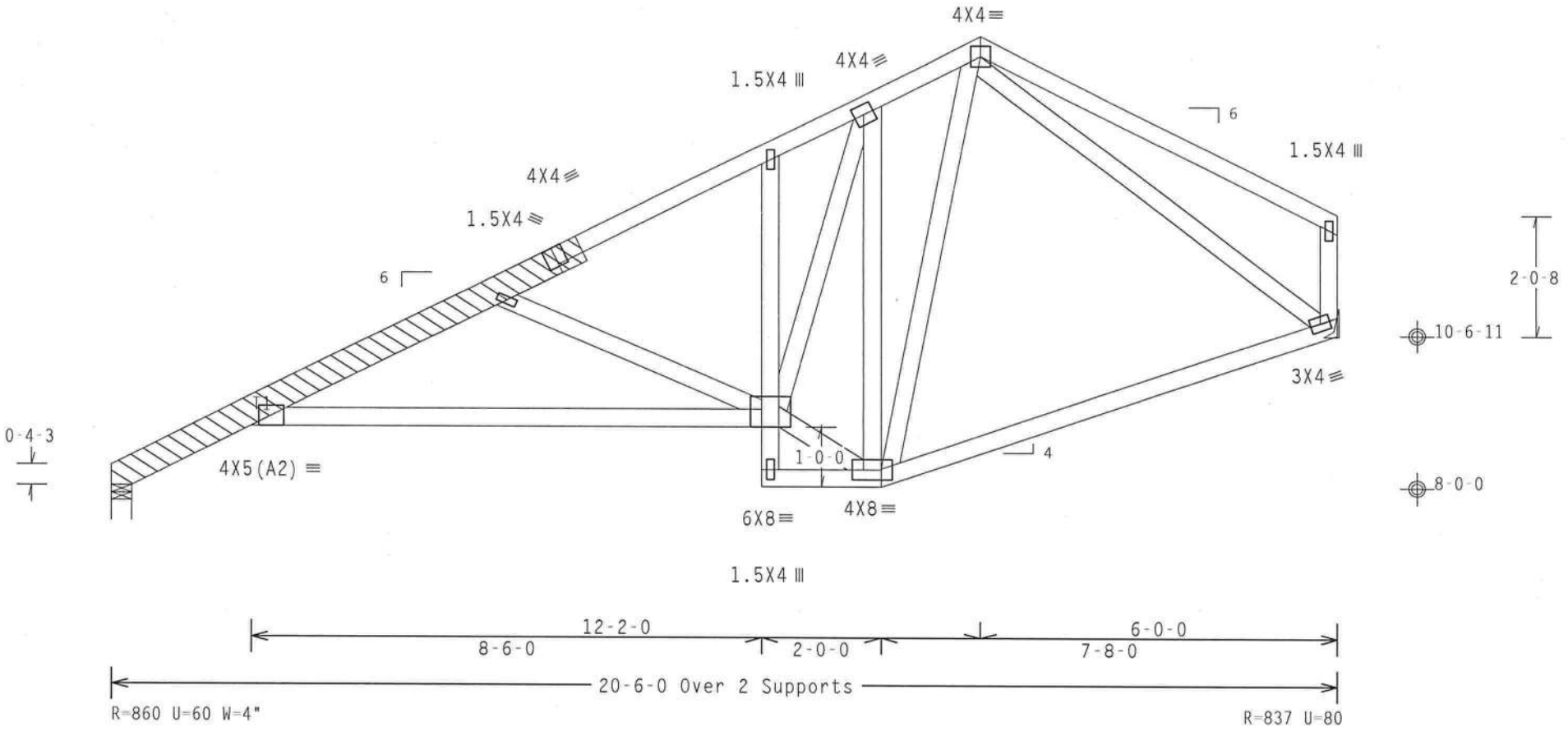
(1) 2x6x8-9-7 SP #2 scab at left end. Attach scab to face of chord with: 10d_Box_or_Gun_(0.128"x3"_min.)_nails @ 8" OC, plus additional nail clusters at : BRG.: (3), heel: (5), 1st panel point: (2).

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.

Right end vertical not exposed to wind pressure.

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 0[illegible]

TC LL	20.0 PSF	REF R8228- 95617
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191013
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35413
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

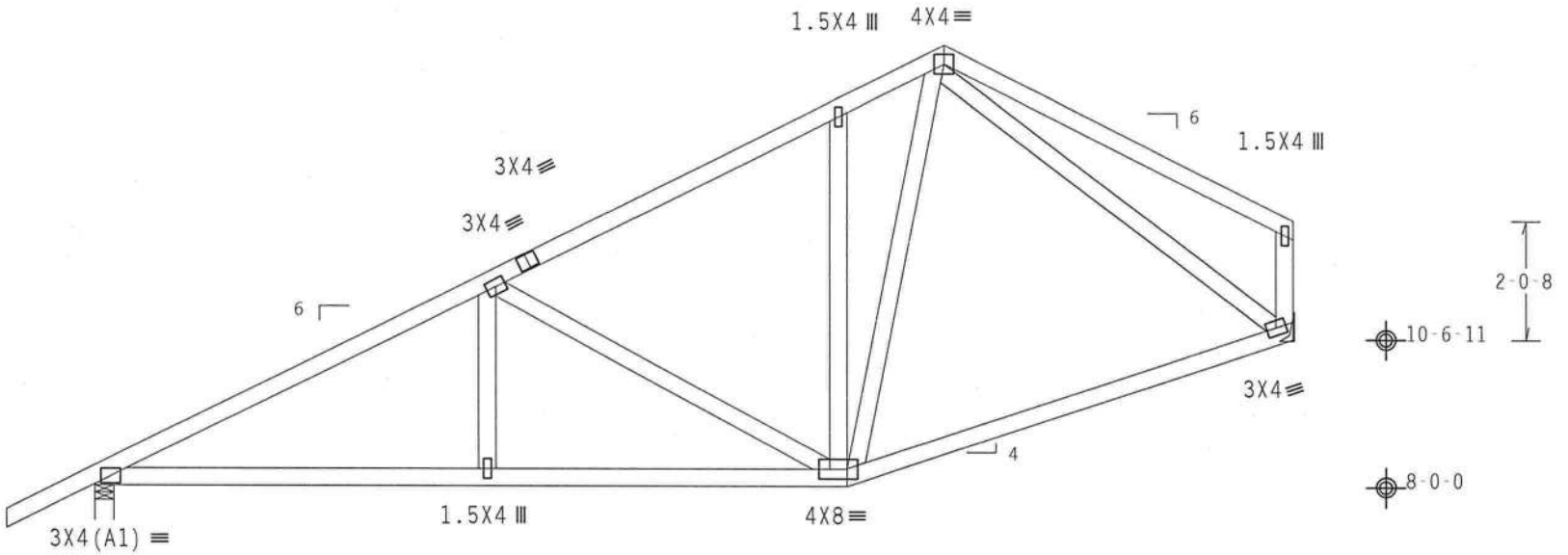
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

Right end vertical not exposed to wind pressure.

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.0424.10

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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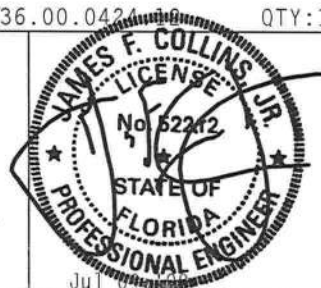


Jul

TC LL	20.0 PSF	REF R8228- 95618
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191002
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35418
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x6 SP #1 Dense :T2 2x6 SP #2:
:T3 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

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.

Calculated horizontal deflection is 0.11" due to live load and 0.18" due to dead load.

#1 hip supports 7-0-0 jacks with no webs.

(1) 2x6x6-3-5 SP #1 Dense scab at left end. Attach scab to face of chord with: 10d_Box_or_Gun_(0.128"x3"_min.)_nails @ 8" OC, plus additional nail clusters at : BRG.: (4), heel: (8), 1st panel point: (5).

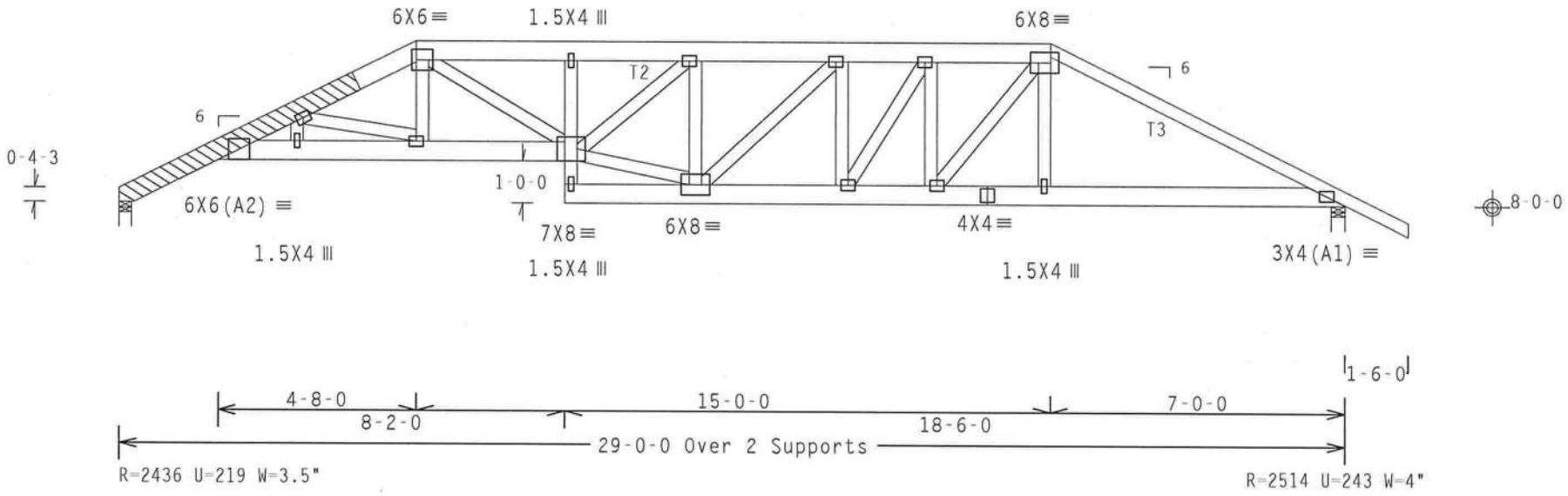
3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3"_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Roof overhang supports 2.00 psf soffit load.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.0424 18 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Ju

TC LL	20.0 PSF	REF	R8228- 95619
TC DL	10.0 PSF	DATE	07/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08191010
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	35351
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1TJ28228Z01

Top chord 2x4 SP #2 Dense :T1 2x6 SP #1 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.11" due to live load and 0.17" due to dead load.

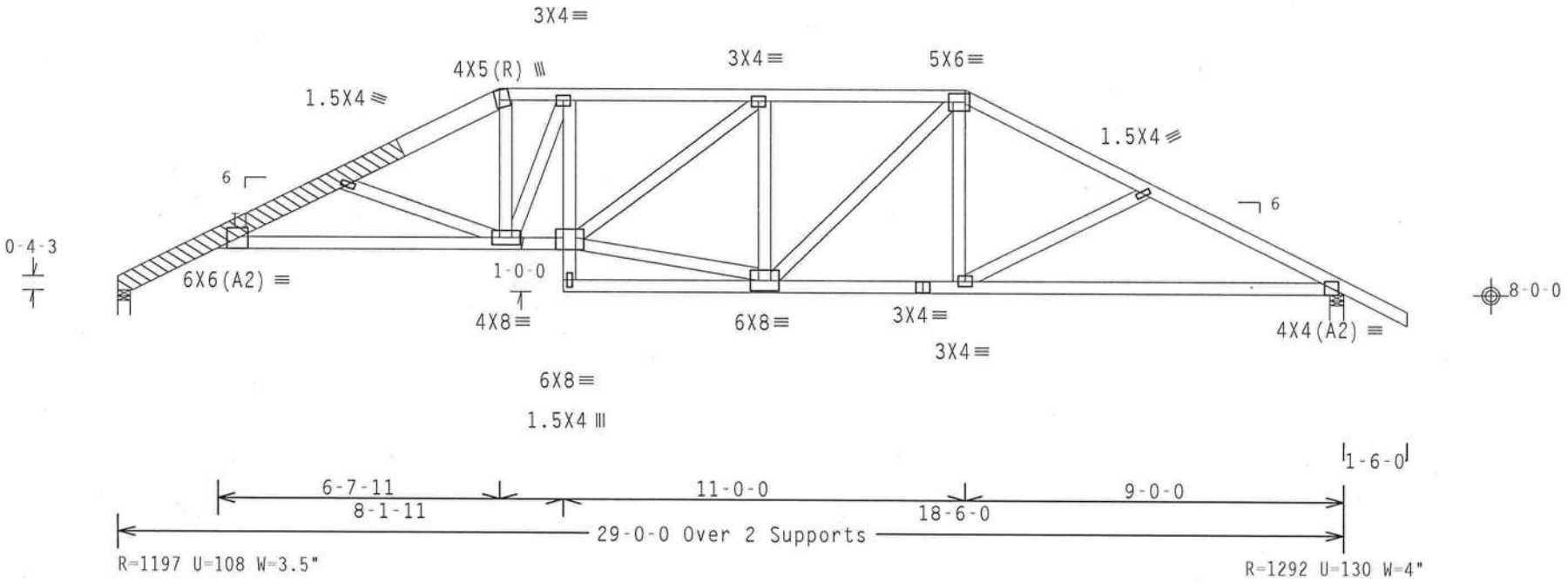
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(2) 2x6x7-5-15 SP #1 Dense scabs at left end. Attach one scab to each outer face of chord with: 10d_Box_or_Gun_(0.128"x3"_min.)_nails @ 8" OC, Plus additional nail clusters at : BRG.: (3), heel: (6), 1st panel point: (3).

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.

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.00.0424 10 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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
Jul 8

TC LL	20.0 PSF	REF R8228- 95620
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191006
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35358
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B1 2x4 SP #2 Dense:
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	62 PLF	at -1.50 to	62 PLF	at 12.08
TC - From	62 PLF	at 12.08 to	62 PLF	at 16.92
TC - From	62 PLF	at 16.92 to	62 PLF	at 29.00
BC - From	4 PLF	at -1.50 to	4 PLF	at 0.00
BC - From	20 PLF	at 0.00 to	20 PLF	at 12.83
BC - From	21 PLF	at 12.83 to	21 PLF	at 20.75
BC - From	21 PLF	at 20.75 to	21 PLF	at 29.00

BC - 4339 LB Conc. Load at 20.63
BC - 722 LB Conc. Load at 20.94
BC - 725 LB Conc. Load at 22.94
BC - 728 LB Conc. Load at 24.94
BC - 716 LB Conc. Load at 26.94

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" 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.

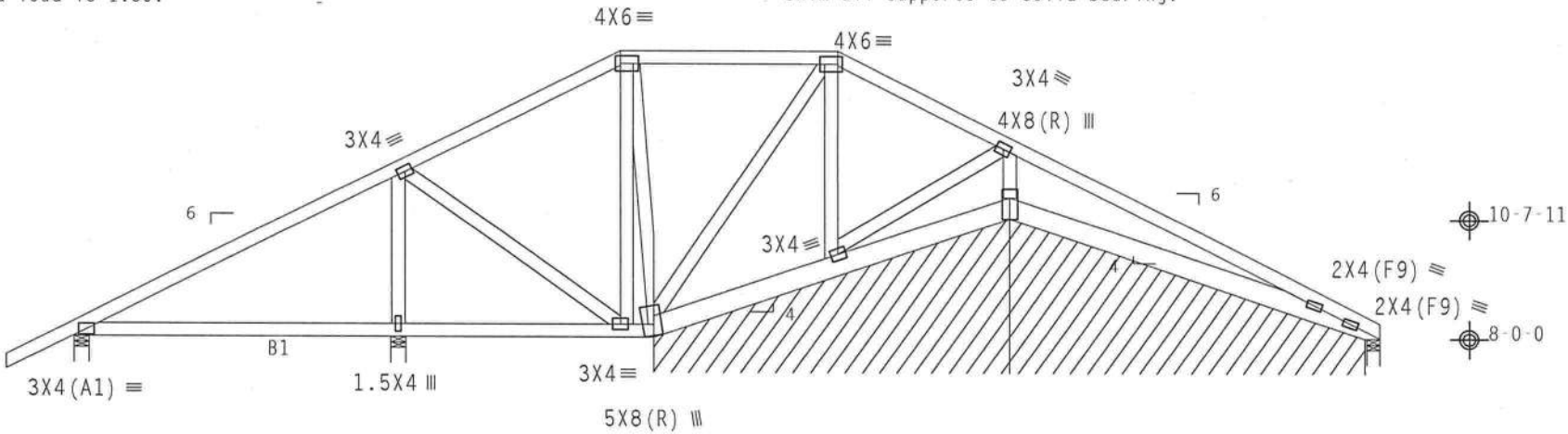
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

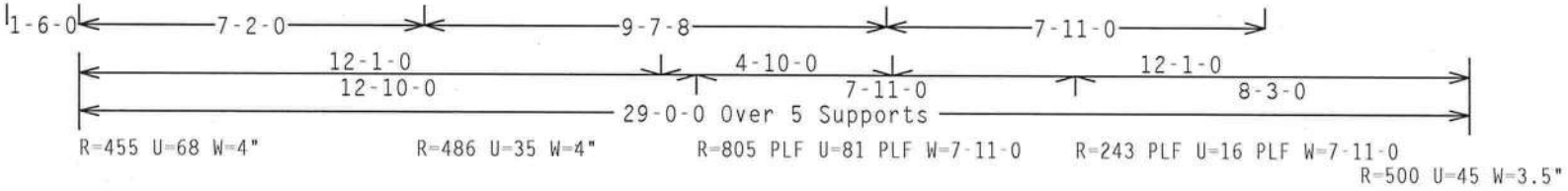
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

Shim all supports to solid bearing.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.00.0424.18 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

TC LL	20.0 PSF	REF	R8228- 95621
TC DL	10.0 PSF	DATE	07/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08191130
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	35540
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B1 2x4 SP #2 Dense:
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 14.50
TC - From 62 PLF at 14.50 to 62 PLF at 29.00
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.83
BC - From 21 PLF at 12.83 to 21 PLF at 20.75
BC - From 21 PLF at 20.75 to 21 PLF at 29.00
BC - 3734 LB Conc. Load at 20.62
BC - 722 LB Conc. Load at 20.94
BC - 725 LB Conc. Load at 22.94
BC - 728 LB Conc. Load at 24.94
BC - 716 LB Conc. Load at 26.94

Roof overhang supports 2.00 psf soffit load.

Shim all supports to solid bearing.

2 COMPLETE TRUSSES REQUIRED

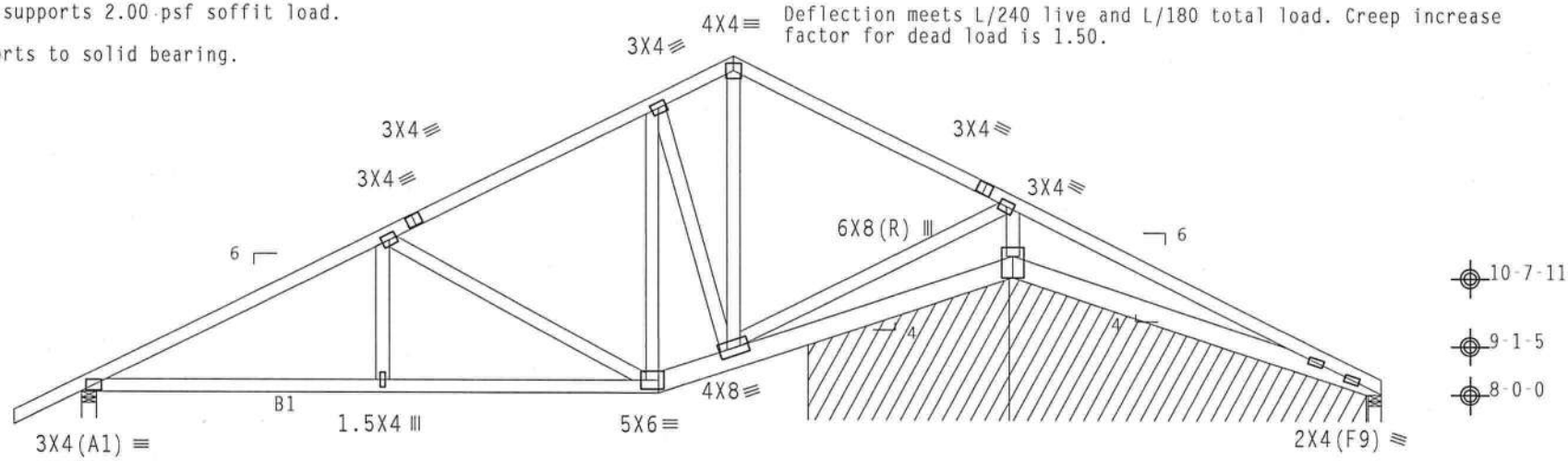
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 6.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

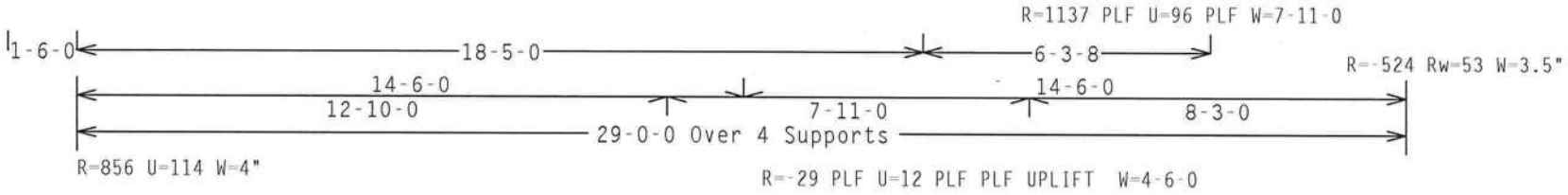
Negative reaction(s) of -523# MAX. (See below) from a non-wind load case requires uplift connection.

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.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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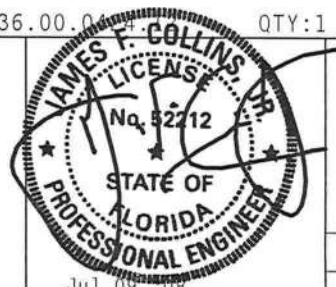


TC LL	20.0 PSF	REF R8228- 95622
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191131
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35536
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W2, W8 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 17.00
BC - From 20 PLF at 0.00 to 20 PLF at 17.00
BC - 840 LB Conc. Load at 0.73, 8.73, 10.73, 12.73, 14.73
BC - 837 LB Conc. Load at 2.73, 4.73, 6.73

Wind reactions based on MWFRS pressures.

Max JT VERT DEFL: LL: 0.22" DL: 0.34" recommended camber 1/2"

Truss must be installed as shown with top chord up.

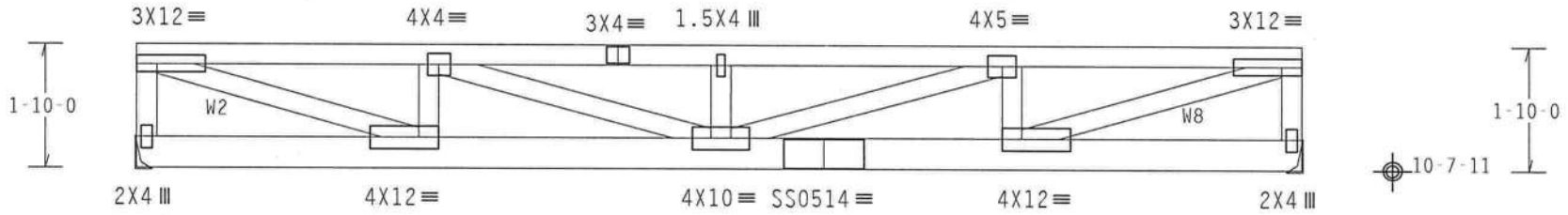
2 COMPLETE TRUSSES REQUIRED

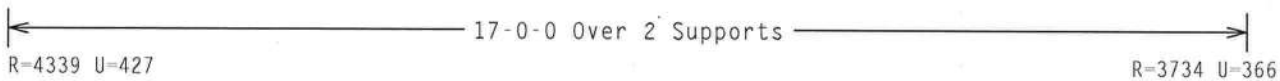
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3"_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.00.042 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA 40278

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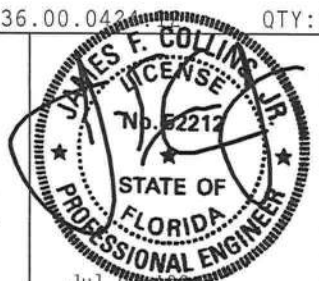


Jul 0

TC LL	20.0 PSF	REF R8228- 95623
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191001
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35466
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

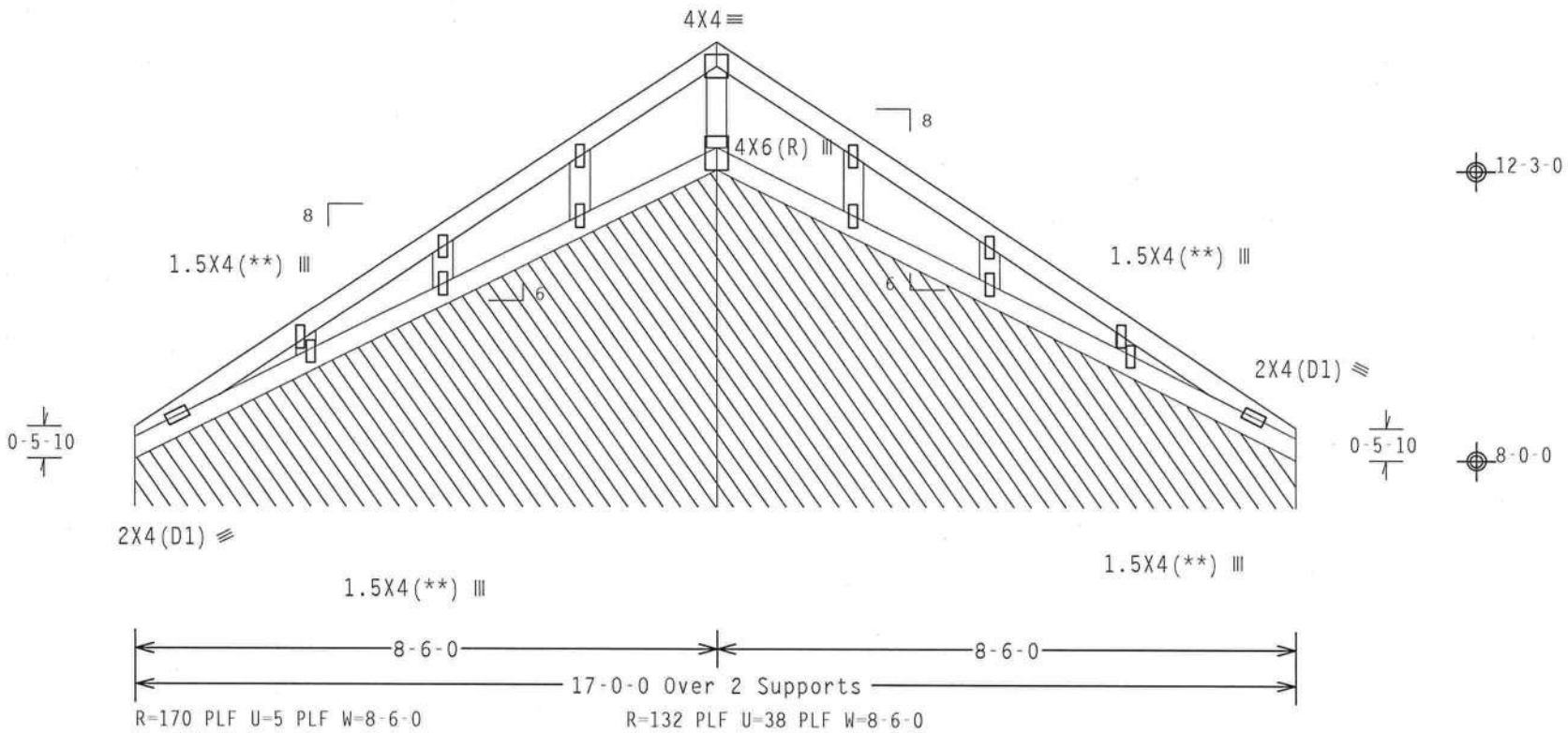
Shim all supports to solid bearing.

(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning 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

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS JR. LICENSE No. 51212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul

TC LL	20.0 PSF	REF	R8228- 95624
TC DL	10.0 PSF	DATE	07/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08191134
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	35508
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1TJ28228Z01

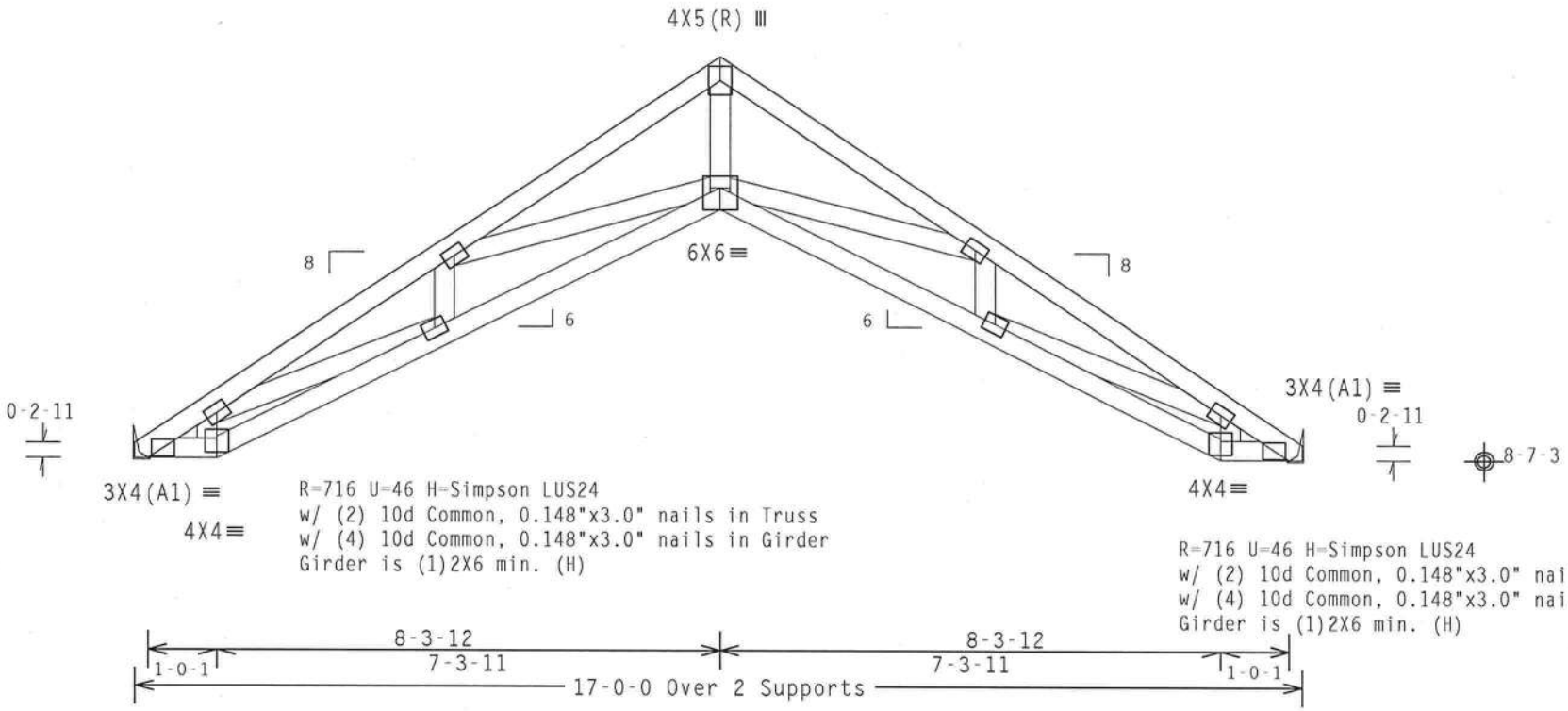
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Calculated horizontal deflection is 0.10" due to live load and 0.17" due to dead 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

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.042

QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Jul

TC LL	20.0 PSF	REF R8228- 95625
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191135
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35512
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

(8-179--Isaac Construction NICKELSON -- , ** - F3)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Max JT VERT DEFL: LL: 0.11" DL: 0.20" recommended camber 3/8"

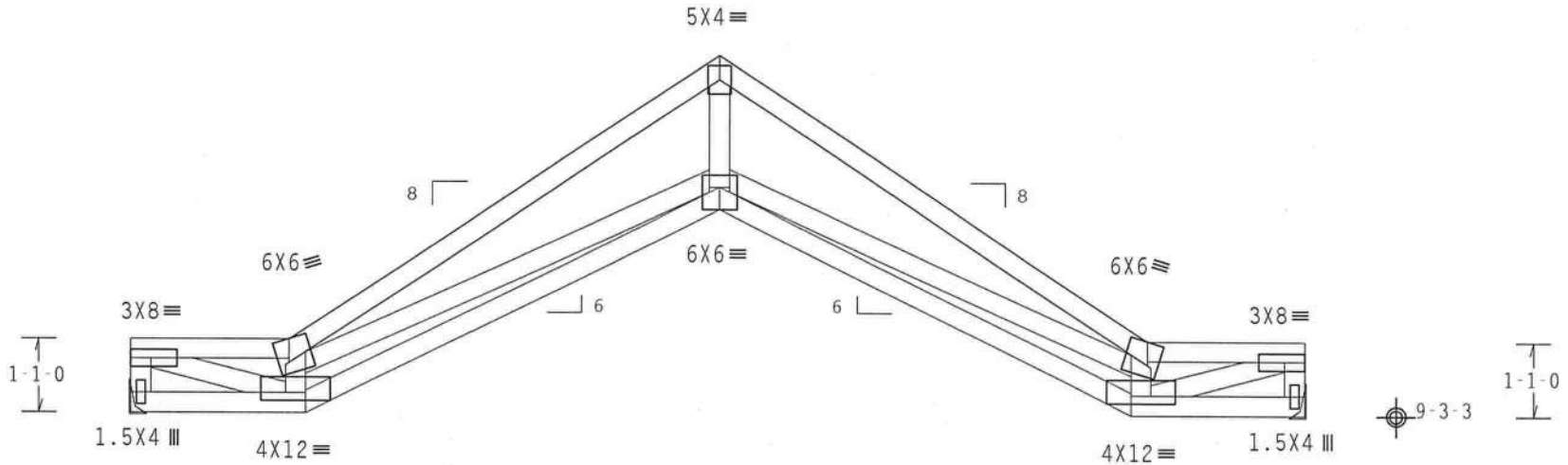
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Provide for complete drainage of roof.

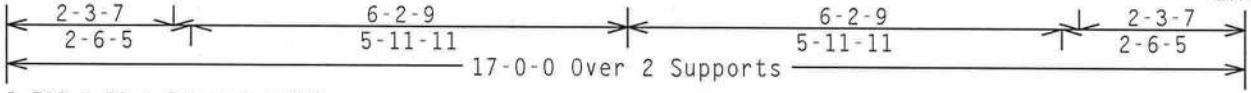
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=728 U=51 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. (H)



R=728 U=51 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. (H)

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 09 08

TC LL	20.0 PSF	REF R8228- 95626
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191127
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35517
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Max JT VERT DEFL: LL: 0.12" DL: 0.20" recommended camber 3/8"

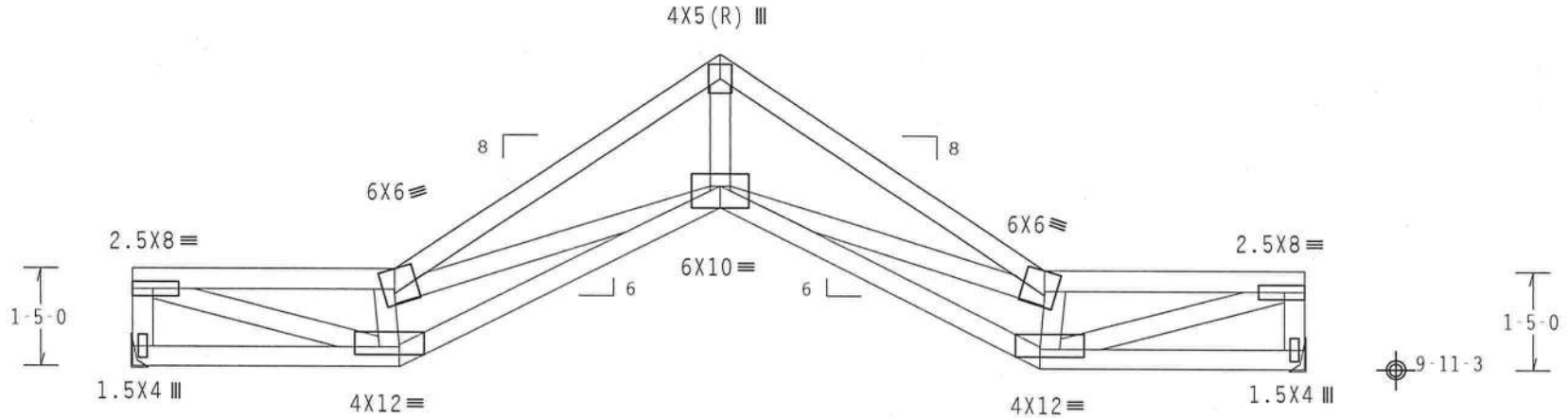
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

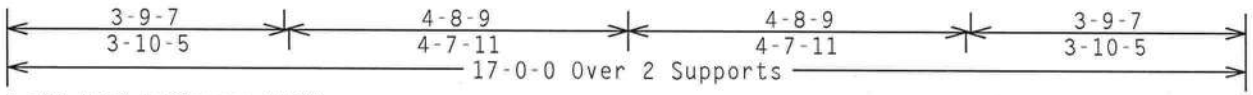
Provide for complete drainage of roof.

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. Creep increase factor for dead load is 1.50.





R=725 U=56 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. (H)

R=725 U=56 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. (H)

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.00.0424.12

QTY:1 FL/-74/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Ju

TC LL	20.0 PSF	REF R8228- 95627
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191128
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35521
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

(8-179--Isaac Construction NICKELSON -- , ** - F5)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Max JT VERT DEFL: LL: 0.11" DL: 0.19" recommended camber 3/8"

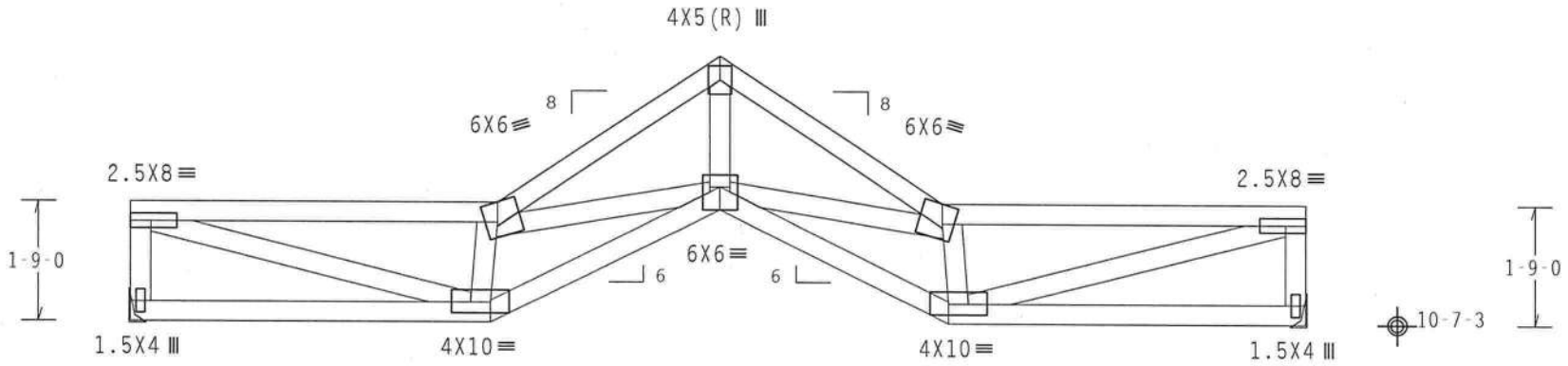
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

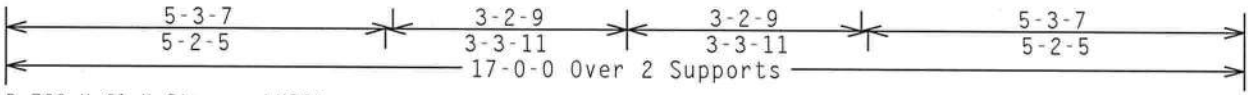
Provide for complete drainage of roof.

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. Creep increase factor for dead load is 1.50.





R=722 U=61 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. (H)

R=722 U=61 H=Simpson LUS24
w/ (2) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. (H)

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.042

PLT TYP. Wave

QTY.1 FL/-/4/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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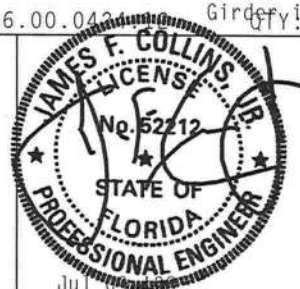


Jul

TC LL	20.0 PSF	REF R8228- 95628
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191129
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35525
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

(8-179--Isaac Construction NICKELSON -- , ** - EJ7)

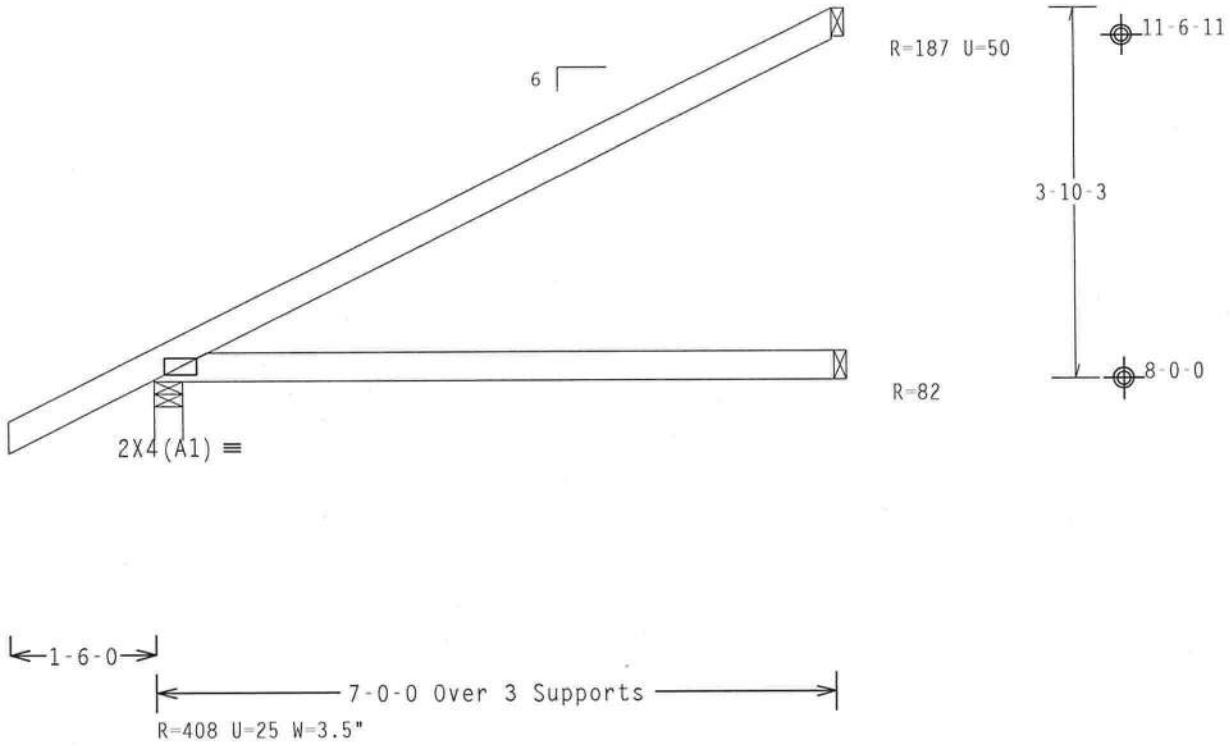
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL 278

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
Jul 09 '08

TC LL	20.0 PSF	REF	R8228- 95629
TC DL	10.0 PSF	DATE	07/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08191009
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	35264
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TJ28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

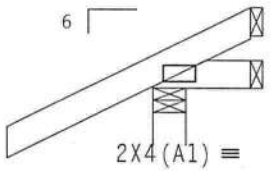
Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

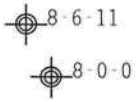
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

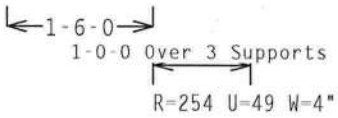
Wind reactions based on MWFRS pressures.

R=-56 Rw=25 U=41



R=-15 Rw=14 U=13





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.0424 J0

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS, JR. LICENSE No. 42212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul

TC LL	20.0 PSF	REF R8228- 95630
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191008
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35270
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

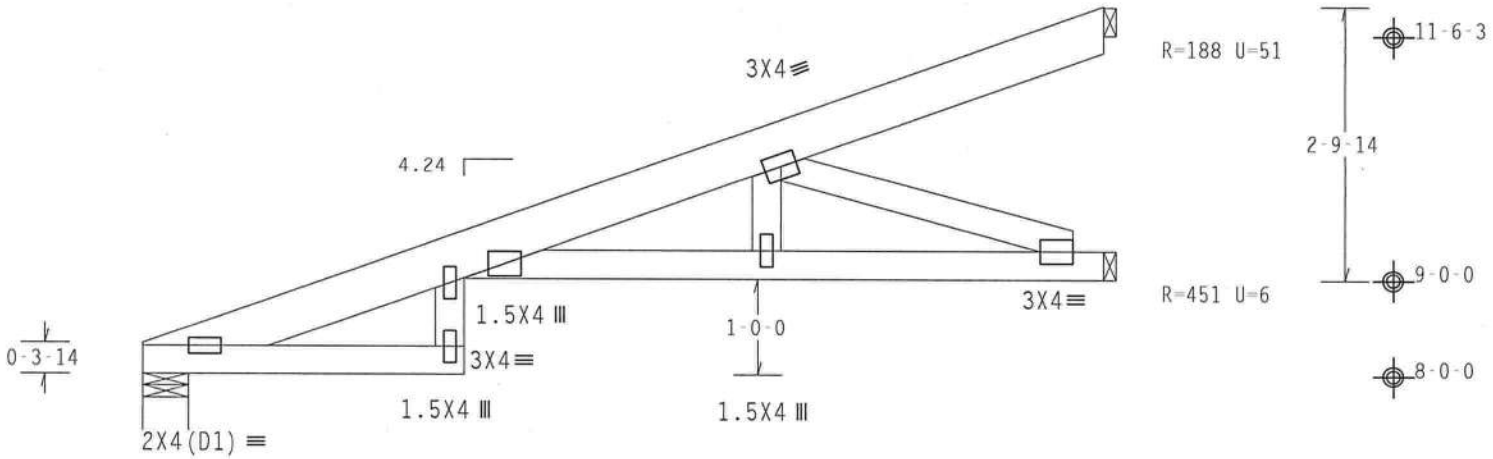
Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Hipjack supports 7-0-0 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.043

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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
Jul 09 '08

TC LL	20.0 PSF	REF R8228- 95631
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191017
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35317
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1TJ2822ZO1

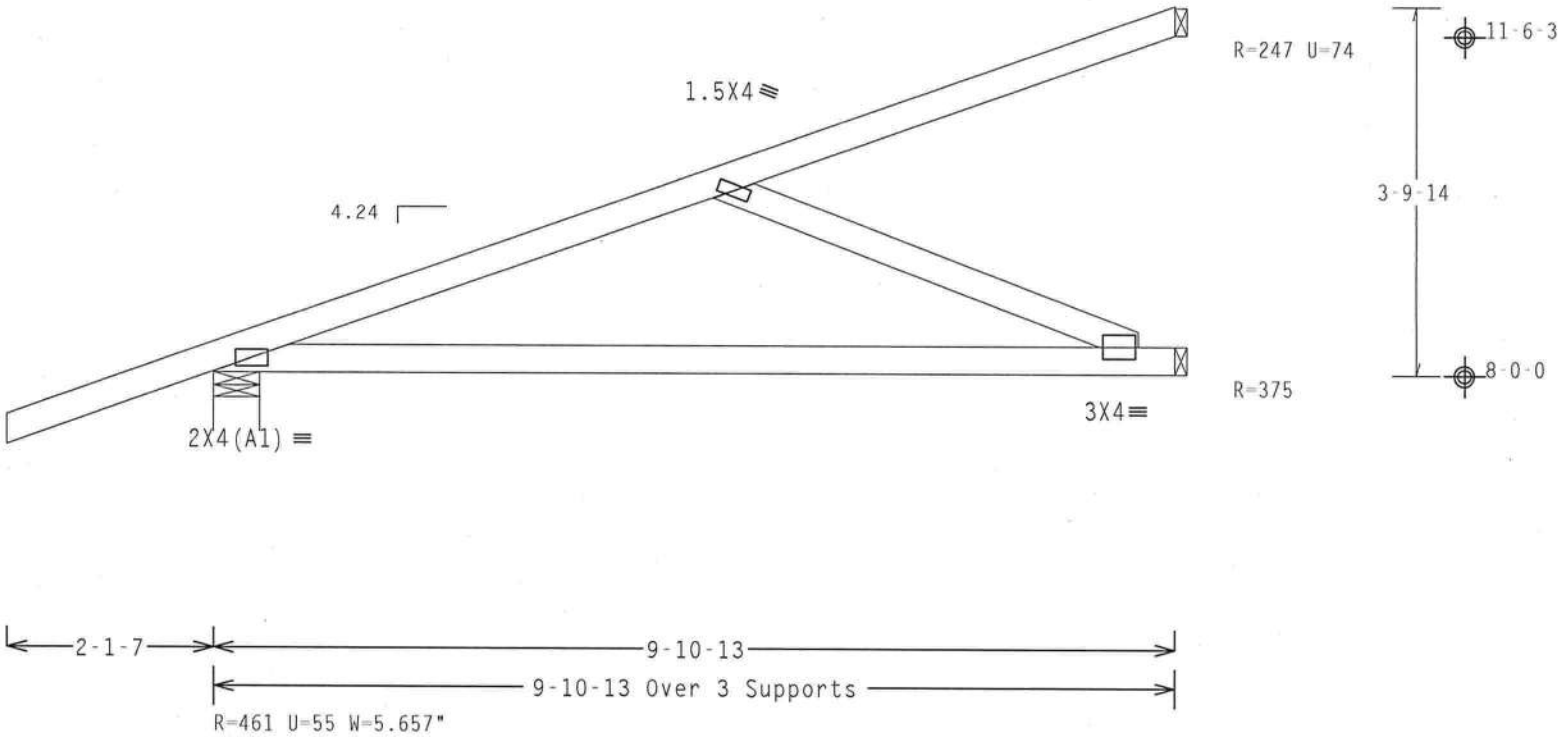
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Hipjack supports 7-0-0 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.0424.12

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Jul

TC LL	20.0 PSF	REF R8228- 95632
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191004
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35287
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1TJ28228Z01

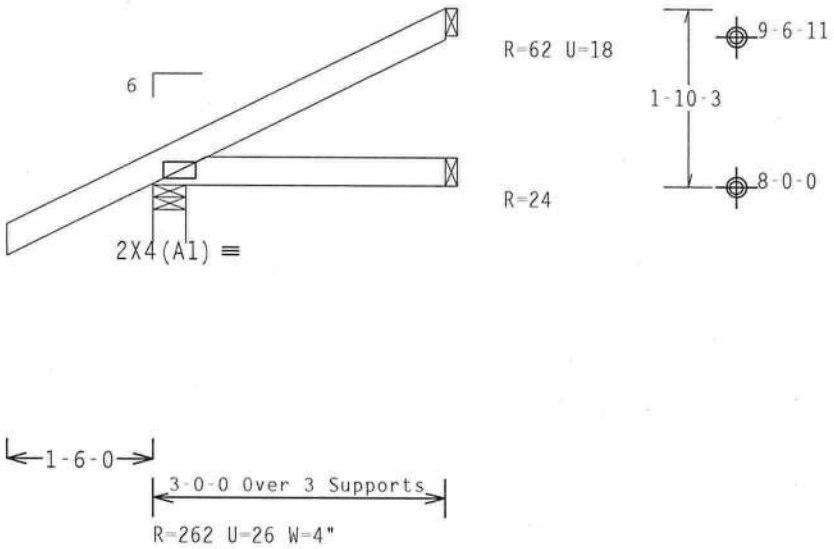
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.040

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Jul 0[illegible]08

TC LL	20.0 PSF	REF R8228- 95633
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191007
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35277
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

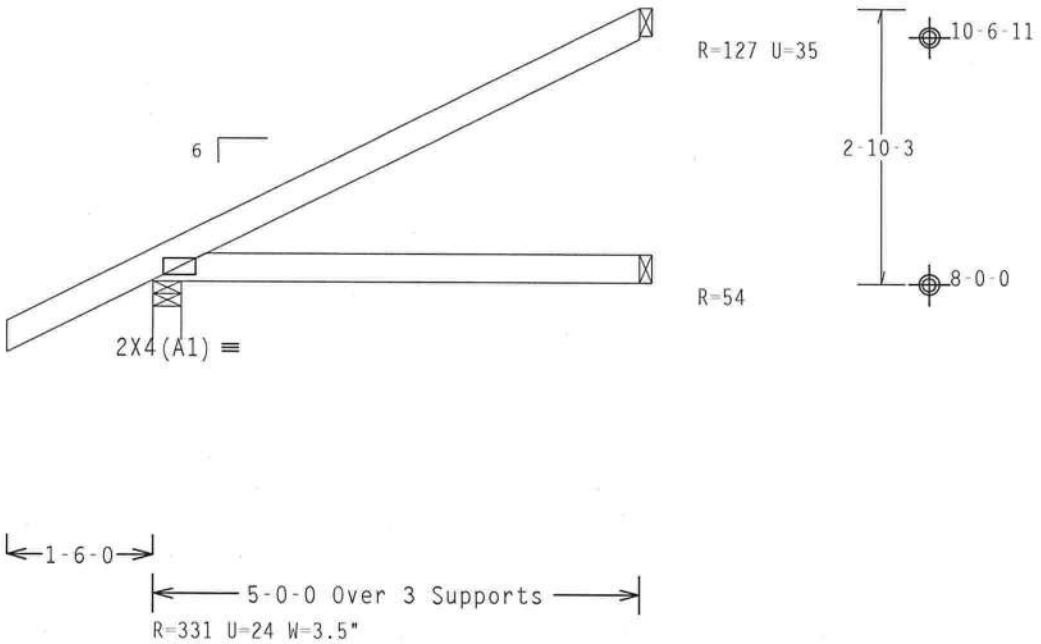
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.042

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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
Jul 0

TC LL	20.0 PSF	REF R8228- 95634
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191005
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35281
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

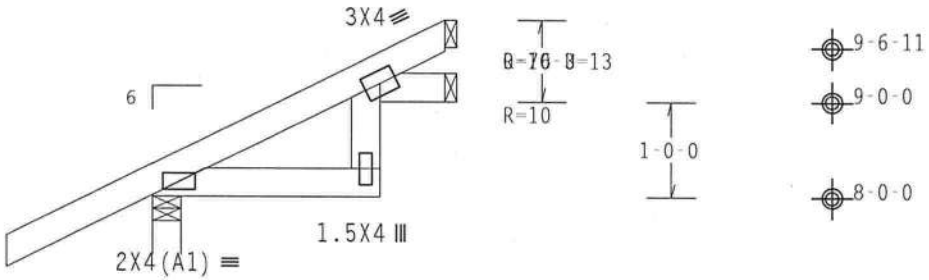
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.04 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 09 '08

TC LL	20.0 PSF	REF R8228- 95635
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191012
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 35299
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

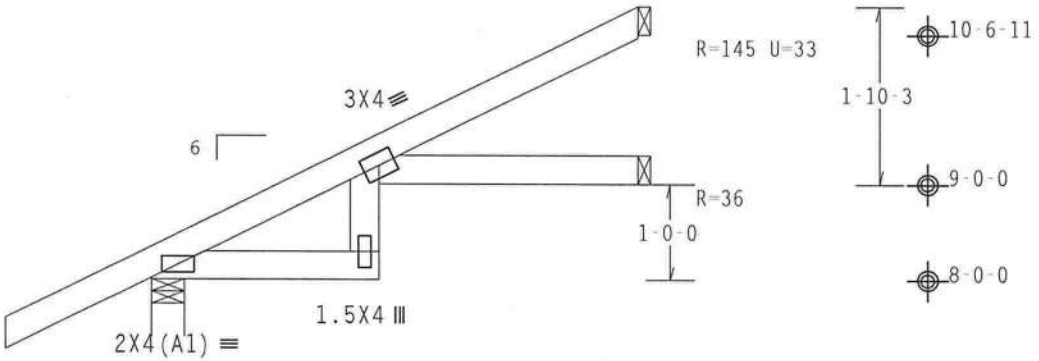
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

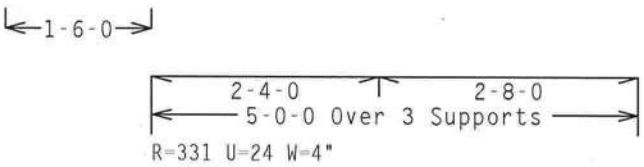
Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.00.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Ju

TC LL	20.0 PSF	REF	R8228- 95636
TC DL	10.0 PSF	DATE	07/09/08
BC DL	10.0 PSF	DRW	HCUSR8228 08191014
BC LL	0.0 PSF	HC-ENG	WHK/WHK *
TOT.LD.	40.0 PSF	SEQN-	35303
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TJ28228Z01

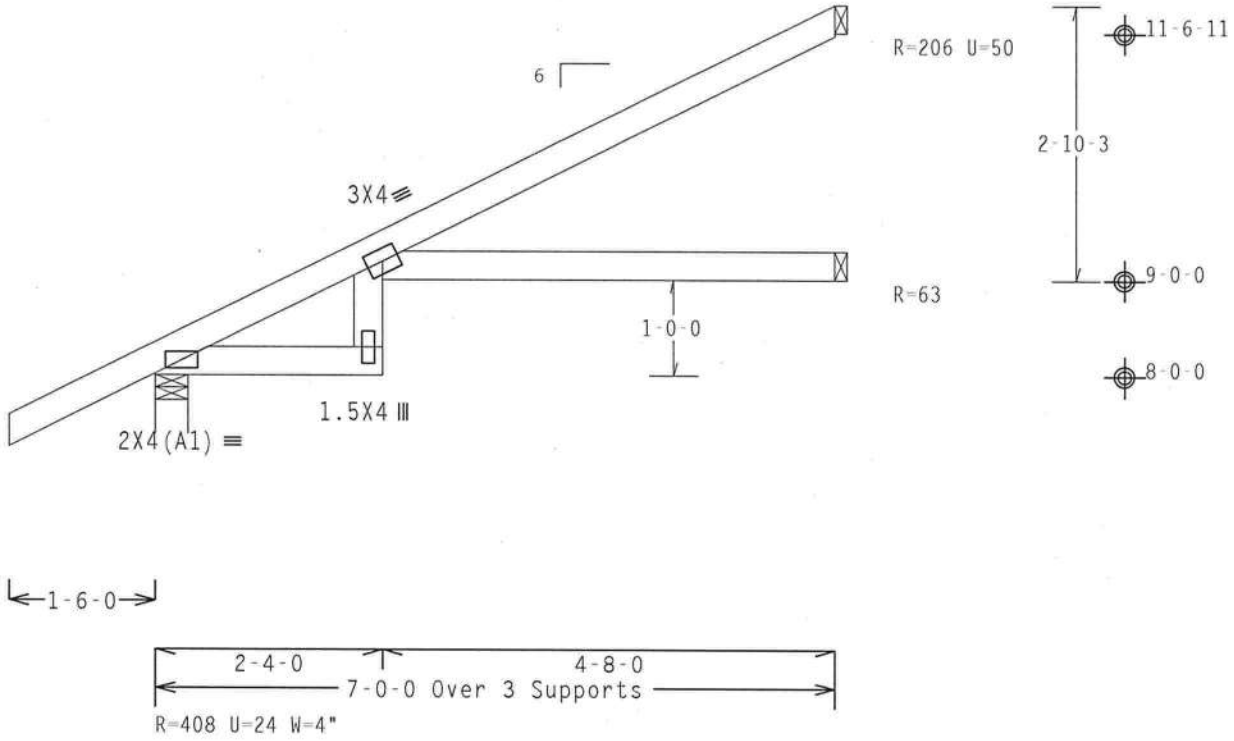
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.00.04

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 07,2008

TC LL	20.0 PSF	REF R8228- 95637
TC DL	10.0 PSF	DATE 07/09/08
BC DL	10.0 PSF	DRW HCUSR8228 08191016
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 35307
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TJ28228Z01

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	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

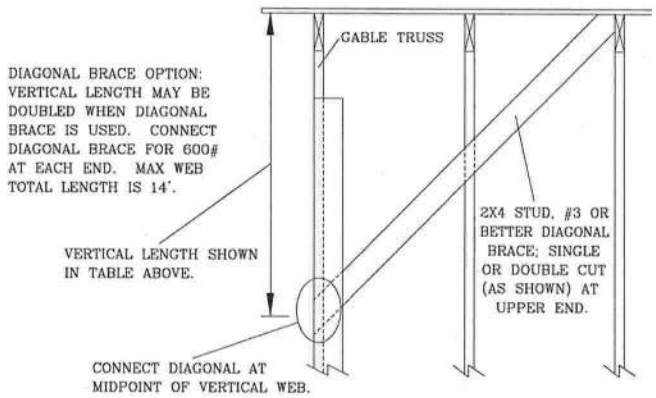
SOUTHERN PINE
#3
STUD
STANDARD

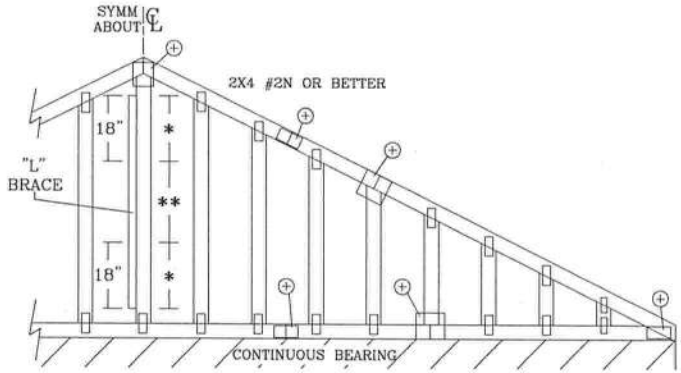
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 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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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,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.

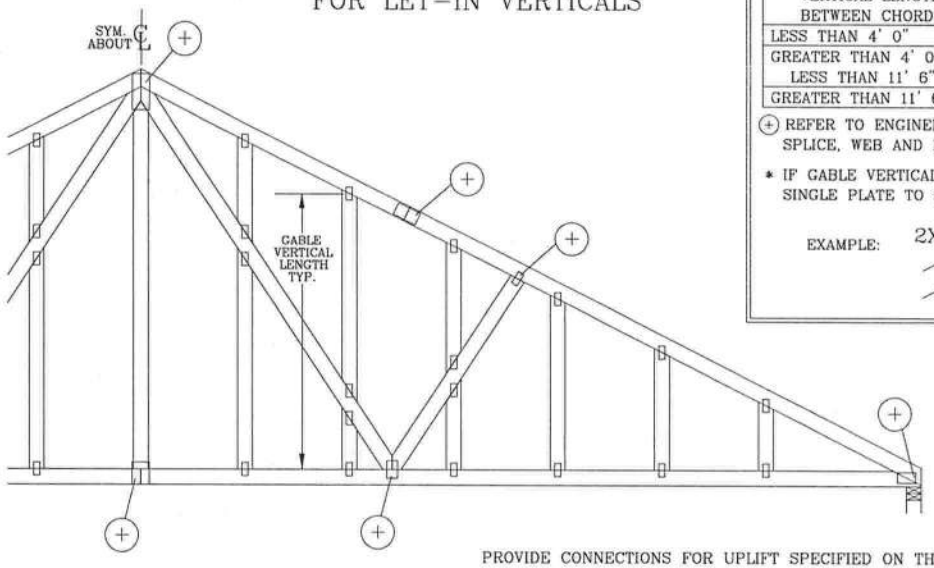
JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

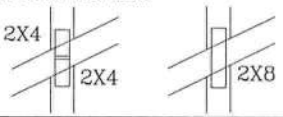


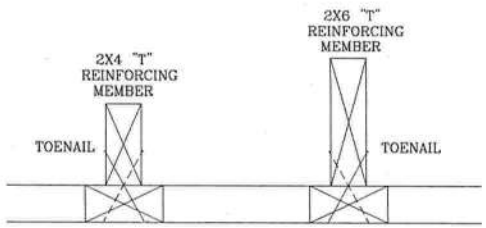
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

(+) 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:





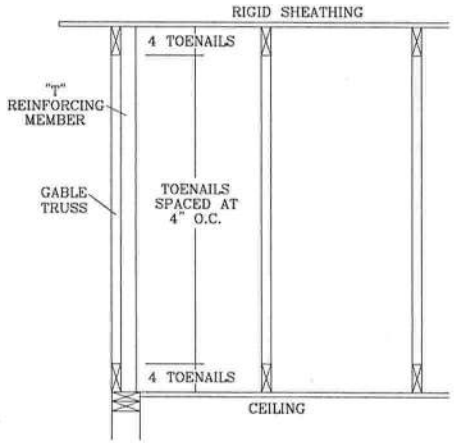
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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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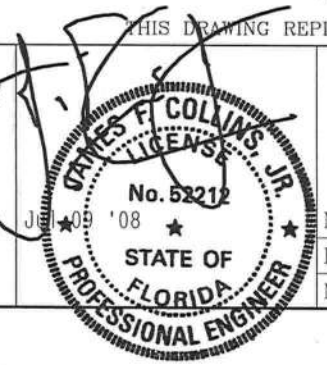


JAN 09 '08

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.

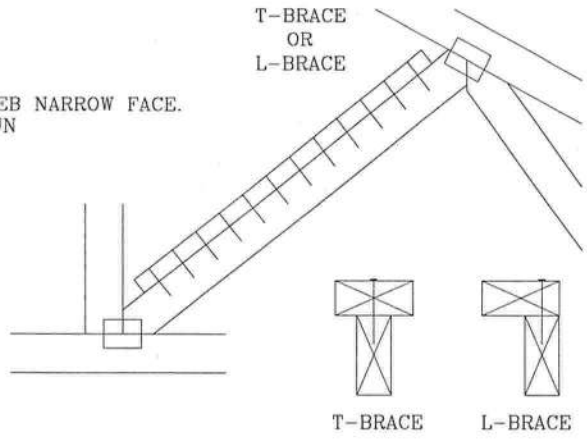
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

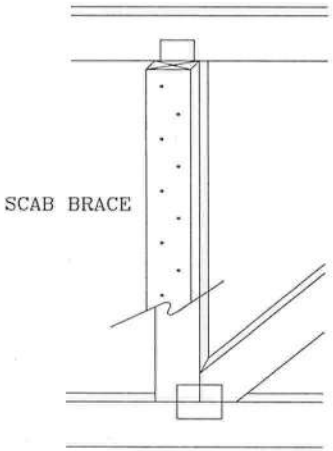
T-BRACING OR L-BRACING:

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

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

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			

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.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. **Exterior Doors**			
A. Swinging	Plast Pro, Inc	3068 &6068 Fiberglass	4760.1 & 4760.2
B. Sliding	Capital	8065	7055.1
C. Sectional	Raynor	Classic Sectional Garage Door	FL-3070
D. Roll Up	Jasnus	Model 3100-Rolling Sheet Door	FL-2274
E. Automatic			
F. Other			
2. **Windows**			
A. Shingle Hung	Capital	48x84	6029.7
B. Horizontal Slider	Capital	126x59	6024.4
C. Casement			
D. Double Hung	Danvid	Single Hung Windows	FL1369
E. Fixed	Capital	96x72	6028.20
F. Awning			
G. Pass Through			
H. Projected			
I. Mullion			
J. Wind Breaker			
K. Dual Action			
L. Other			
3. Panel Wall			
A. Siding	Alcoa	Vinyl Siding	FL1621
B. Soffits	ASI Building Pro	Aluminum & Vinyl Soffit	FL5546 1&2
C. Eifs			
D. Storefronts			
E. Curtain Walls			
F. Wall Louver			
G. Glass Block			
H. Membrane			
I. Greenhouse			
J. Other			
4. Roofing Products			
A. Asphalt Shingles	Tamko	30 Year shingles asphalt	FL373
B. Underlayments			
C. Roofing Fasteners			
D. Non-Structural Metal Roofing			
E. Wood Shingles and Shakes			
F. Roofing Tiles			
G. Roofing Insulation			
H. Water Proofing			
I. Built Up Roofing-Roofing System			
J. Modified Bitumen			

K. Single Ply Roof System			
L. Roofing Slate			
M. Cements-Adhesives Coating			
N. Liquid Applied Roof System			
O. Roof Tile Adhesives			
P. Spray Applied Polyurethane Roof			
Q. Other			
5. Shutters			
A. Accordion			
B. Bahama			
C. Storm Panels			
D. Colonial			
E. Roll Up			
F. Equipment			
G. Others			
6. Skylights			
A. Skylights			
B. Other			
7. Structural Components			
A. Wood Connectors/Anchors	Simpson Strong	Wood Connectors/Anchors	FL1474
B. Plastics			
C. Deck-Roof			
D. Wall			
E. Sheds			
F. Truss Plates	Alpine Engineered	Pro Built-Alpine Truss Plates	FL1999
G. Engineered Lumber	LPEWP	Laminated Beams, I Joist	FL1511
H. Railing			
I. Coolers/Freezers			
J. Concrete Admixtures			
K. Material			
L. Insulation Forms			
M. Other			
8. New Exterior Envelope Products			
A.			
B.			

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 must be available to the inspector on the job site;
1) Copy of the product approval. 2) The performance characteristics, which the product was tested and certified to comply with. 3) Copy of the applicable manufactures installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Samantha Harrington

Applicant Signature Date

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001666

DATE: 08/29/2008 BUILDING PERMIT NO. 27295

APPLICANT BARBARA WEBSTER PHONE 719-7143

ADDRESS 125 SW MIDTOWN PLACE LAKE CITY FL 32055

OWNER VENTURE POINTE, LLC PHONE 755-0808

ADDRESS 198 SW HYDRAULIC WAY LAKE CITY FL 32024

CONTRACTOR ISAAC CONSTRUCTION PHONE 719-7143

LOCATION OF PROPERTY 47S, TL ON HYDRAULIC WAY, 3RD LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 35-4S-16-03281-004

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 Barbara Webster

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: No Culvert Needed No Ditches on Hydraulic Way

SIGNED: [signature] DATE: 09-03-08

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

#27295

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

07 OCTOBER 2008

JOHNNY KERCE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: MODEL 1187 for VENTURE POINTE, L.L.C.

DEAR SIR:

PLEASE BE ADVISED THAT THE OWNER OF THE ABOVE REFERENCED PROJECT HAS ELECTED TO USE AN "ALL-THREAD" ROD TIE-DOWN SYSTEM IN LIEU OF THE VARIOUS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR SAME. THE TIE-ROD METHOD SHALL BE EMPLOYED TO ANCHOR THE WALL PLATE TO THE FOUNDATION ONLY.

PLEASE REFER TO THE ATTACHED DRAWING FOR PLACEMENT OF ALL EXTERIOR WALL AND INTERIOR BEARING WALL TIE-RODS. PROVIDE A TIE-ROD AT EACH OF THE FOLLOWING LOCATIONS:

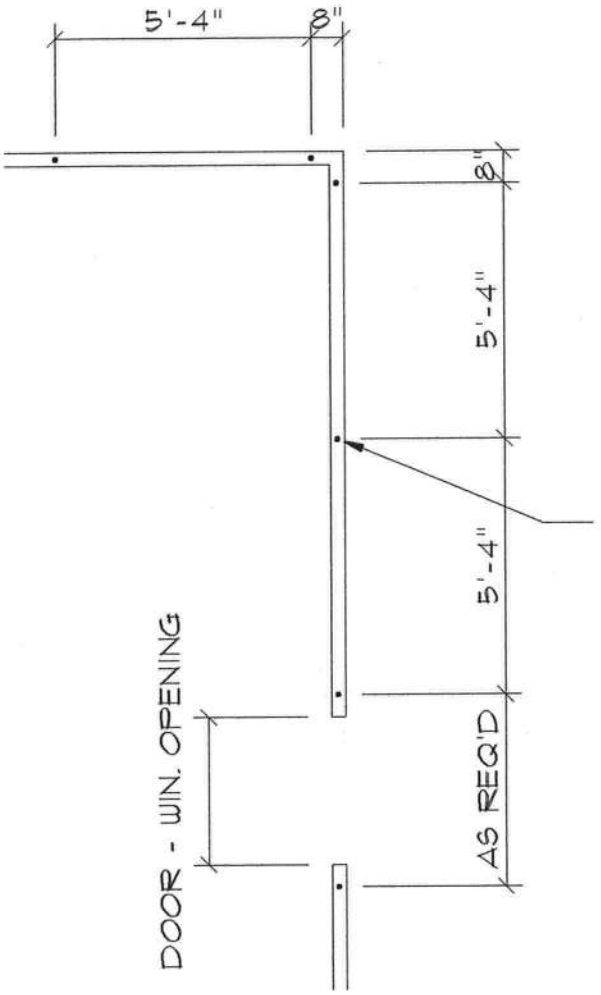
WITHIN 8" OF ALL CORNERS (BOTH WALLS)
WITHIN 8" OF ALL DOOR AND/OR WINDOW OPENINGS, EA. SIDE
AT 64" O.C. ALONG ALL WALL RUNS

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021



PROVIDE A-307 ALL-THREAD ROD WITH 5" EMBEDMENT IN SLAB, EXTENDING TO THE TOP PLATE, WITH 2" X 2" X 1/8" SQ. WASHERS FOR ALL LOADS UPTO 1.5K OR 3" X 3" X 1/8" WASHERS FOR LOADS UP TO 3.75K PLACE RODS PER DIAGRAM: WITHIN 8" OF CORNERS, ALONG SIDE OF WALL OPENINGS AND AT 48" O.C., MAXIMUM ALONG ALL WALL RUNS.

PLACE ALL-THREAD ROD IN CURED CONCRETE SLAB, IN DRILLED 5/8"ϕ X 5" HOLES, CLEARED OF ALL CHIPS AND DUST. SET WITH "SIMPSON" 2-PART EPOXY "SET"

ALL THREAD WALL TIE-DOWN

SCALE: 1/4" = 1'-0"

RE: MODEL 1187, for VENTURE POINTE, L.L.C.
PERMIT Nr.: _____

AR7005 07 Oct 2K8

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

#27295

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1795 City Lake City State FL Zip 32056
Company Business License No. JB108476 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Isaac Const. Company Phone No. 719-7143

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Isaac Nickelson Residence
198 SW Hydraulic Way
Lake City, FL 32024

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside \ Inside \ Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 9/15/08
Brand Name of Product(s) Used Biten XTS
EPA Registration No. 53883-189
Approximate Final Mix Solution % .06
Approximate Size of Treatment Area: Sq. ft. 1500 Linear ft. 178 Linear ft. of Masonry Voids 178
Approximate Total Gallons of Solution Applied 360 gals.
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments

Name of Applicator(s) S. Gregory Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [signature] Date 9/15/08

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

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 35-4S-16-03281-004 **Building permit No.** 000027295

Use Classification SFD,UTILITY **Fire:** 51.36

Permit Holder ISAAC CONSTRUCTION **Waste:** 134.00

Owner of Building VENTURE POINTE, LLC **Total:** 185.36

Location: 198 SW HYDRAULIC WAY, LAKE CITY, FL

Date: 02/09/2009

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

27295 10939 PPR 10940 culvert waiver 10941 impact fee

FEES:

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

EMS IMPACT FEE 10300003632210 $29.88

FIRE PROTECTION IMPACT FEE 10200003632220 $78.63

CORRECTIONS IMPACT FEE 00100003632200 $409.16

SCHOOL IMPACT FEE 00100003632900 $1,500.00

TOTAL FEES CHARGED $3,063.67 CHECK NUMBER 10941