Columbia County Building Permit Application

For Office Use Only Application # 0812-34 Date Received 12-22-08 By LH Permit # 1701/27549

Zoning Official BLK Date 30-12-08 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1ft abv Rd River N/A Plans Examiner LWR Date 12-29-08

Comments

NOC EH Deed or PA Site Plan State Road Info Parent Parcel # 28-4S-17-08832-004

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

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

School $1,500.00 = TOTAL $3,063.67

Septic Permit No. Fax 386-755-2422

Name Authorized Person Signing Permit KEVIN BEDENBAUGH Phone 386-792-4061

Address 232 NW CHADLEY LN. LAKE CITY FL 32055

Owners Name Destiny Lee Phone 386-965-1499

911 Address 743 SW Wendy Terrace Lake City, FL 32025.

Contractors Name KEVIN BEDENBAUGH Phone 386-792-4061

Address 232 NW CHADLEY LN LAKE CITY, FL 32055

Fee Simple Owner Name & Address

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address MARK DISOSWAY BOB 868 LAKE CITY, FL 32056

Mortgage Lenders Name & Address Peoples STATE BANK 350 SW MAIN Blvd. LAKE CITY, FL 32025

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

Property ID Number 28-4S-17-08832-017 Estimated Cost of Construction 80,000

Subdivision Name N/A Lot Block Unit Phase

Driving Directions 41 S, Turn (R) on CR 242, Turn (L) on Wendy Terrace. 6/10 mile on Left.

Number of Existing Dwellings on Property 0

Construction of Single Family new residence. Total Acreage 1 Lot Size

Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive Total Building Height 19'

Actual Distance of Structure from Property Lines - Front 110 Side 32 Side 32 Rear 200

Number of Stories 1 Heated Floor Area 1736 Total Floor Area 2216 Roof Pitch 5/12

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.

Spoke to Kevin 12/30/08

Columbia County Building Permit Application

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

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

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

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

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

Destiny Lee
Owners Signature

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

Kevin Bedenbaugh
Contractor's Signature (Permitee)

Contractor's License Number RB0066597
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24th **day of** December **20**08.
Personally known ✓ **or Produced Identification** _____

Marie Crawford
State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC-STATE OF FLORIDA
Marie Crawford
Commission # DD533398
Expires: MAR. 26, 2010
Bonded Thru Atlantic Bonding Co., Inc.

Inst. Number: 200812021671 Book: 1163 Page: 539 Date: 12/2/2008 Time: 3:33:00 PM Page 1 of 2

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Parcel Identification No.
08832-004 (Parent Parcel)

Recording Fee $ 18.50
Documentary Stamp $ 0.70
Consideration $ _____

Inst:200812021671 Date:12/2/2008 Time:3:33 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1163 P:539

CORRECTIVE WARRANTY DEED

THIS INDENTURE, made this 24th day of November 2008, BETWEEN ARTHUR N. BEDENBAUGH and his wife, JANIE L. BEDENBAUGH, whose post office address is 396 SE Bedenbaugh Lane, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantor*, and DESTINY L. LEE and BRENT F. WHITCOMB, as Joint Tenants with Right of Survivorship, whose post office address is 729 SW Wendy Terrace, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Commence at the NW Corner of the NE ¼ of the SW ¼ of Section 28, Township 4 South, Range 17 East, Columbia County, Florida and run S 00°33'06" E, along the West line of the East ½ of said SW ¼, 690.29 feet; thence N 88°13'12" E, 38.78 feet to the East Right-of-Way line of SW Wendy Terrace to the Point of Beginning; thence S 00°10'48" E, along said Right-of-Way line, 130.04 feet; thence N 88°13'12" E, 335.10 feet; thence N 00°10'48" W, 130.04 feet; thence S 88°13'12" W, 335.10 feet to the Point of Beginning.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

N.B. This deed is recorded to correct an error in the legal description contained in Warranty Deed recorded in O.R. Book 1161, Page 2522.

Inst. Number: 200812021671 Book: 1163 Page: 540 Date: 12/2/2008 Time: 3:33:00 PM Page 2 of 2

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

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

Signed, sealed and delivered
in our presence:

Lisa C Ogburn
(First Witness)

Lisa C. Ogburn
Printed Name

Myrtle Ann McElroy
(Second Witness)

Myrtle Ann McElroy
Printed Name

Arthur N. Bedenbaugh (SEAL)
Arthur N. Bedenbaugh

Janie L. Bedenbaugh (SEAL)
Janie L. Bedenbaugh

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 24th day of November, 2008, by Arthur N. Bedenbaugh and his wife, Janie L. Bedenbaugh, who are personally known to me or who have produced _____ as identification and who did not take an oath.

My Commission Expires:

Lisa C Ogburn
Notary Public

LISA C. OGBURN
MY COMMISSION # DD 787010
EXPIRES: May 6, 2012
Bonded Thru Notary Public Underwriters

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

Arthur Bedenbaugh, the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and Destiny Lee, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as Grandchild, and both individuals being first duly sworn according to law, depose and say:

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

2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. 28-4S-17-08832-004.

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

4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 28-4S-17-08832-017.

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

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

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

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

Arthur N. Bedenbaugh
Owner

Destiny Lee
Family Member

Arthur N. Bedenbaugh
Typed or Printed Name

Destiny Lee
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 30th day of December, 20 08, by Arthur Nelson Bedenbaugh (Owner) who is personally known to me or has produced FL DL # B351054222930 as identification.

Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Marie Crawford
Commission # DD533398
Expires: MAR. 26, 2010
Bonded Thru Atlantic Bonding Co., Inc.

Subscribed and sworn to (or affirmed) before me this 30th day of December, 20 08, by Destiny Lee (Family Member) who is personally known to me or has produced FA. DL. 052740519 as identification.

Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Marie Crawford
Commission # DD533398
Expires: MAR. 26, 2010
Bonded Thru Atlantic Bonding Co., Inc.

Columbia County, Florida
Planning & Zoning Department

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

To: Kevin Bedenbaugh

Fax: 386.755.2422

From : Brian L. Kepner, County Planner

Fax: 386.758.2160

Number of Pages : 1

Date : 29 December 2008

Sorry about the name being incorrect

RE: Building Permit Application 0812-34, Destiny Lee

Dear Kevin:

The above referenced building permit property is located within an Agriculture-3 (A-3) zoning district. This zoning district requires a minimum of five (5) acres for one (1) dwelling unit. Under the County's Land Development Regulations (LDR's) a Special Family Lot Permit can be issued to a family member being, brother, sister, parent, grandparent, child, adopted child or grandchild. By the copy of the deed that accompanies the application, I am assuming that this is indeed the situation. In order for a building permit to be issued for a Special Family Lot, the enclosed affidavit has to be completed by the family members and the original returned to this office.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.754.7119.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Enclosure

Confidentiality Notice: This facsimile transmission is confidential and is intended only for the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

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: 11/24/2008 **DATE ISSUED:** 12/3/2008

ENHANCED 9-1-1 ADDRESS:

743 SW WENDY TER

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

28-4S-17-08832-017

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.

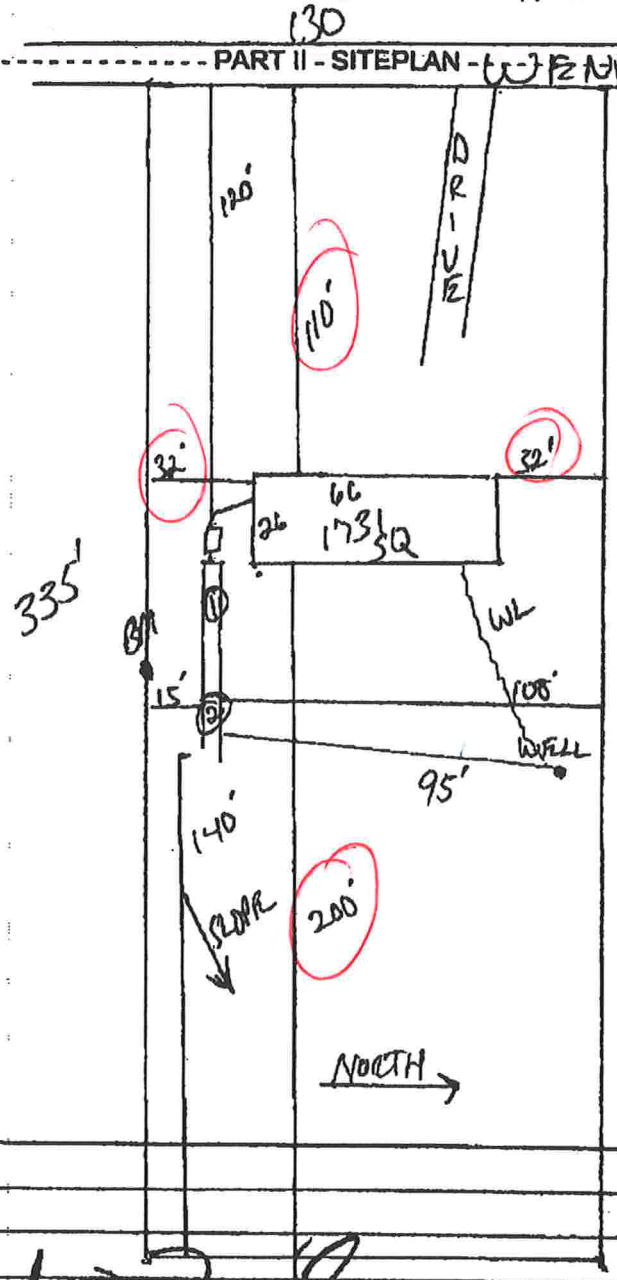
1335

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

Permit Application Number 08-0759

PART II - SITEPLAN - UPDATED PLAN

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Rocky Tyler

Plan Approved ✓ Not Approved ____ MASTER CONTRACTOR

By Mona Lisa Date 12-18-08

Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

08-0755

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

PERMIT NO. 904377
DATE PAID: 12/9/08
FEE PAID: 310.00
RECEIPT #: 1081172

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] ______

APPLICANT: Lee, Destiny

AGENT: ROCKY FORD, A & B CONSTRUCTION TELEPHONE: 386-497-2311

MAILING ADDRESS: P.O. BOX 39 FT. WHITE, FL, 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: na BLOCK: na SUB: na PLATTED: ______

PROPERTY ID #: 28-4S-17-08832-017 ZONING: ______ I/M OR EQUIVALENT: [Y / (N)]

PROPERTY SIZE: 1 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: — FT

PROPERTY ADDRESS: SW Wendy Terr, Lake City, FL, 32025

DIRECTIONS TO PROPERTY: 441 South, TR on CR 242, TL on Wendy Terr, of 43rd Road and 278th Terr, 7/10th mile to property on left, Just past address 729

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	4	1731	
2				
3				

[N] Floor/Equipment Drains [N] Other (Specify) ______

SIGNATURE: Rocky D Ford DATE: 12/5/2008

DH 4015, 10/97 (Previous Editions May Be Used)

08-0757

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

PERMIT NO. 904377
DATE PAID: 12-9-08
FEE PAID: 310.00
RECEIPT #: 1084772

CONSTRUCTION PERMIT FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Lee, Destiny

PROPERTY ADDRESS: SW Wendy Terr, Lake City, FL, 32025

LOT: na BLOCK: na SUBDIVISION: na

PROPERTY ID #: 28-4S-17-08832-017 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER] [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [1050] GALLONS / GPD SEPTIC TANK/AEROBIC UNIT CAPACITY MULTI-CHAMBERED/IN-SERIES [ ]
A [ ] GALLONS / GPD _____ CAPACITY MULTI-CHAMBERED/IN-SERIES [ ]
N [ ] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
K [ ] GALLONS DOSING TANK CAPACITY [ ] GALLONS @ [ ] DOSES PER 24 HRS # PUMPS [ ]

D [445] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
R [ ] SQUARE FEET _____ SYSTEM
A TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ] _____
I CONFIGURATION: [X] TRENCH [ ] BED [ ] _____
N
F LOCATION OF BENCHMARK: NAIL IN PINE TREE SOUTH OF SITE
I ELEVATION OF PROPOSED SYSTEM SITE [12] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [42] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [NA] INCHES EXCAVATION REQUIRED: [NA] INCHES

O _____
T _____
H _____
E _____
R _____

SPECIFICATIONS BY: Rocky D Fry TITLE: MASTER CONTRACTOR

APPROVED BY: Mark A Lee TITLE: Env. Manager Columbia CHD

DATE ISSUED: 12-18-08 EXPIRATION DATE: 6-18-10

DH 4016, 10/97 (Previous Editions May Be Used)

A & B Well Drilling, Inc.

5673 NW Lake Jeffery Road
Lake City, FL, 32055
386-758-3409

12/17/2008

To: Columbia County Building Department

Description of well to be installed for Customer: Destiny Lake
Located at Address: S.W. Wendy Terrace

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

William Bias
William Bias

Faxed on 12-17-08

DEC-17-2008 09:23P FROM:A & B CONSTRUCTION 3869974886 TO: P.2

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:	**812165PlumbLevelLeeDestiny**	Builder:	**Plumb Level Construction**
Address:	**Wendy Road**	Permitting Office:	Columbia Co.
City, State:	**Lake City, Fl**	Permit Number:	27549
Owner:	**Destiny Lee**	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: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	1736 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) 176.0 ft²	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
b. SHGC:			HSPF: 7.80
(or Clear or Tint DEFAULT)	7b. (Clear) 176.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 180.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1224.0 ft²		EF: 0.93
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	
a. Under Attic	R=30.0, 1808.0 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, 150.0 ft		
b. N/A			

Glass/Floor Area: 0.10	Total as-built points: 24135 Total base points: 28316	PASS

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

PREPARED BY: _____

DATE: EVAN BEAMSLEY 12/16/08

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: **Wendy Road, 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	1736.0	20.04	6262.1	Double, Clear	N	1.5	0.0	16.0	19.20	0.92	281.3	
				Double, Clear	N	1.5	4.0	9.0	19.20	0.88	152.3	
				Double, Clear	N	12.0	6.0	15.0	19.20	0.62	179.5	
				Double, Clear	N	1.5	6.0	15.0	19.20	0.94	270.3	
				Double, Clear	S	1.5	6.0	30.0	35.87	0.86	921.2	
				Double, Clear	S	8.0	6.0	60.0	35.87	0.48	1041.7	
				Double, Clear	W	0.0	0.0	15.0	38.52	1.00	577.9	
				Double, Clear	W	0.0	0.0	16.0	38.52	1.00	616.4	
				As-Built Total:				**176.0**			**4040.6**	
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1224.0	1.50		1836.0	
Exterior	1224.0	1.70	2080.8									
Base Total:	**1224.0**		**2080.8**	**As-Built Total:**				**1224.0**			**1836.0**	
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	4.10		164.0	
Exterior	40.0	4.10	164.0									
Base Total:	**40.0**		**164.0**	**As-Built Total:**				**40.0**			**164.0**	
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points	
Under Attic	1736.0	1.73	3003.3	Under Attic			30.0	1808.0	1.73 X 1.00		3127.8	
Base Total:	**1736.0**		**3003.3**	**As-Built Total:**				**1808.0**			**3127.8**	
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Slab	180.0(p)	-37.0	-6660.0	Slab-On-Grade Edge Insulation			0.0	180.0(p	-41.20		-7416.0	
Raised	0.0	0.00	0.0									
Base Total:			**-6660.0**	**As-Built Total:**				**180.0**			**-7416.0**	
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points	
	1736.0	10.21	17724.6					1736.0	10.21		17724.6	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Wendy Road, Lake City, Fl,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 22574.7			**Summer As-Built Points:**					**19477.0**
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 30000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			19477	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	5817.6
22574.7	**0.4266**	**9630.4**	**19477.0**	**1.00**	**1.138**	**0.263**	**1.000**	**5817.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Wendy Road, Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	**1736.0**	**12.74**	**3981.0**	Double, Clear	N	1.5	0.0	16.0	24.58	1.00	394.7	
				Double, Clear	N	1.5	4.0	9.0	24.58	1.01	222.5	
				Double, Clear	N	12.0	6.0	15.0	24.58	1.03	377.9	
				Double, Clear	N	1.5	6.0	15.0	24.58	1.00	369.5	
				Double, Clear	S	1.5	6.0	30.0	13.30	1.12	445.8	
				Double, Clear	S	8.0	6.0	60.0	13.30	3.15	2512.7	
				Double, Clear	W	0.0	0.0	15.0	20.73	1.00	310.9	
				Double, Clear	W	0.0	0.0	16.0	20.73	1.00	331.7	
				As-Built Total:				**176.0**			**4965.8**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1224.0	3.40		4161.6	
Exterior	1224.0	3.70	4528.8									
Base Total:	**1224.0**		**4528.8**	**As-Built Total:**				**1224.0**			**4161.6**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	8.40		336.0	
Exterior	40.0	8.40	336.0									
Base Total:	**40.0**		**336.0**	**As-Built Total:**				**40.0**			**336.0**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1736.0	2.05	3558.8	Under Attic			30.0	1808.0	2.05 X	1.00	3706.4	
Base Total:	**1736.0**		**3558.8**	**As-Built Total:**				**1808.0**			**3706.4**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	180.0(p)	8.9	1602.0	Slab-On-Grade Edge Insulation			0.0	180.0(p	18.80		3384.0	
Raised	0.0	0.00	0.0									
Base Total:			**1602.0**	**As-Built Total:**				**180.0**			**3384.0**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	1736.0	-0.59	-1024.2					1736.0	-0.59		-1024.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Wendy Road, Lake City, Fl,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**12982.4**	**Winter As-Built Points:**					**15529.5**
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 30000 btuh ,EFF(7.8) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
12982.4	0.6274	8145.1	15529.5	1.00	1.162	0.437	1.000	7890.3

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Wendy Road, Lake City, Fl,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4		2635.00	10540.0	40.0	0.93	4	1.00	2606.67	1.00	10426.7	
				As-Built Total:						**10426.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9630	**8145**	**10540**	**28316**	**5818**	**7890**	**10427**	**24135**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Wendy Road, Lake City, Fl,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.1

The higher the score, the more efficient the home.

Destiny Lee, Wendy Road, Lake City, Fl,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 30.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	4			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	1736 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) 176.0 ft²			a. Electric Heat Pump	Cap: 30.0 kBtu/hr
	b. SHGC:					HSPF: 7.80
	(or Clear or Tint DEFAULT)	7b. (Clear) 176.0 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 180.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1224.0 ft²				EF: 0.93
	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, 1808.0 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: Interior	Sup. R=6.0, 150.0 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.

27549

March 18, 2009

Mr. Randy Jones
Columbia County Building Department

Subject: Finished Floor Elevation
743 SW Wendy Terrace
Parcel 28-4S-17-08832-017

Dear Mr. Jones:

I have visited the subject site to check the floor elevation of the building being constructed by Plumb Level Construction for Destiny L. Lee. If the adjacent ground around all sides of the building is graded to direct the runoff around and away from the building and the natural runoff of storm water continues toward the north and east, there should not be any flooding problems associated with the floor elevation of the building.

Sincerely,

Arthur N. Bedenbaugh

Arthur N. Bedenbaugh
FL. P.E. No. 9162
637 SW Hillcrest St.
Lake City, FL 32025
(386) 752-5846

AFN - Meggie

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001701

DATE: 12/31/2008 BUILDING PERMIT NO. 27549

APPLICANT KEVIN BEDENBAUGH PHONE 386 792-4061

ADDRESS 232 NW CHADLEY LANE LAKE CITY FL 32055

OWNER DESTINY LEE PHONE 386 965-1499

ADDRESS 729 SW WENDY TERR LAKE CITY FL 32055

CONTRACTOR KEVIN BEDENBAUGH PHONE 386 792-4061

LOCATION OF PROPERTY 41S, TR ON CR 242, TL ON WENDY TERR., 6/10 OF MILE ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 28-4S-17-08832-017

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: Kevin Bedenbaugh

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:

___V___ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

SIGNED: Rudy Tate DATE: 1-12-09

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

COLUMBIA COUNTY GATEWAY TO FLORIDA

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 28-4S-17-08832-017 **Building permit No.** 000027549

Use Classification SFD,UTILITY **Fire:** 44.94

Permit Holder KEVIN BEDENBAUGH **Waste:** 117.25

Owner of Building DESTINY LEE **Total:** 162.19

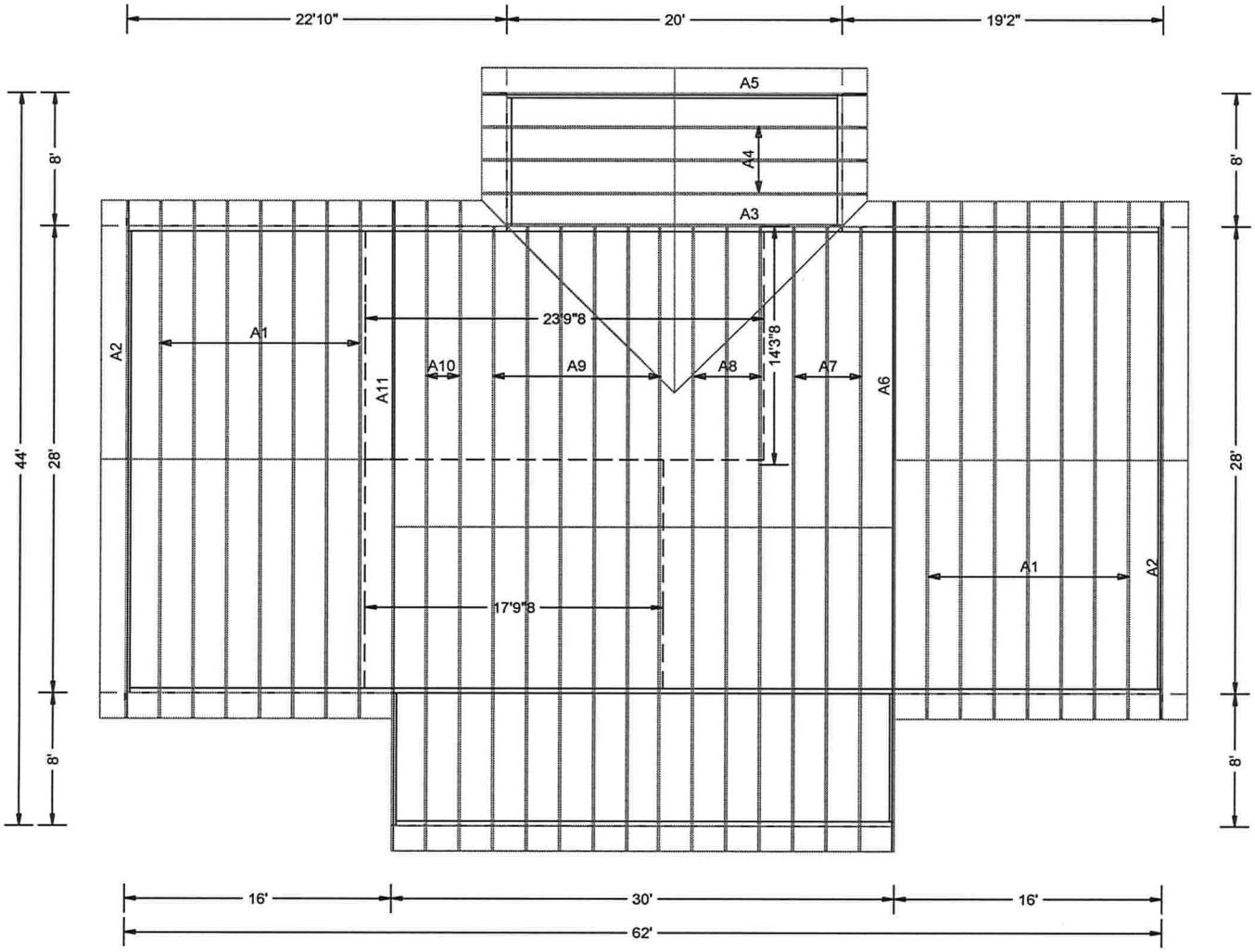
Location: 743 SW WENDY TERR, LAKE CITY, FL

Date: 03/23/2009

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Scale: 3/32" = 1'

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

ROOF PITCH:5/12
CLG PITCH: (1) 3/12 VAULT
OVERHANG:18"
LOADING:40/SHGL
WIND LOAD:110
EXT WALLS:2X4X8'
DATE:12/23/2008

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

Job Name: Destiny Lee Residence
Customer: Plumb Level Construction
Designer: Cindy Gude-Weitzel

JOB NO:
5898

PAGE NO:
1 OF 1

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:1TNP215-Z0123090644

Truss Fabricator:	W.B. Howland
Job Identification:	5898-/Destiny Lee Residence /Plumb Level Construction -- , **
Truss Count:	11
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	FBC CODE/TPI-2002(STD)
Engineering Software:	Alpine Software,Version 7.38.
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: HCUSR215

Details: A11015EE-GBLLETIN-A11015EC-

Seal Date: 12/23/2008

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

#	Ref	Description	Drawing#	Date
1	31628--A1		08358001	12/23/08
2	31629--A2		08358002	12/23/08
3	31630--A3		08358010	12/23/08
4	31631--A4		08358011	12/23/08
5	31632--A5		08358003	12/23/08
6	31633--A6		08358004	12/23/08
7	31634--A7		08358005	12/23/08
8	31635--A8		08358006	12/23/08
9	31636--A9		08358007	12/23/08
10	31637--A10		08358008	12/23/08
11	31638--A11		08358009	12/23/08

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
 Document ID:1TNP215-Z0123090644

Truss Fabricator:	W.B. Howland
Job Identification:	5898-/Destiny Lee Residence /Plumb Level Construction -- , **
Truss Count:	1
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	FBC CODE/TPI-2002(STD)
Engineering Software:	Alpine Software,Version 7.38.
Structural Engineer of Record:	
Address:	
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: HCUSR215

Seal Date: 12/23/2008

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	31629--A2		08358002	12/23/08

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A1)

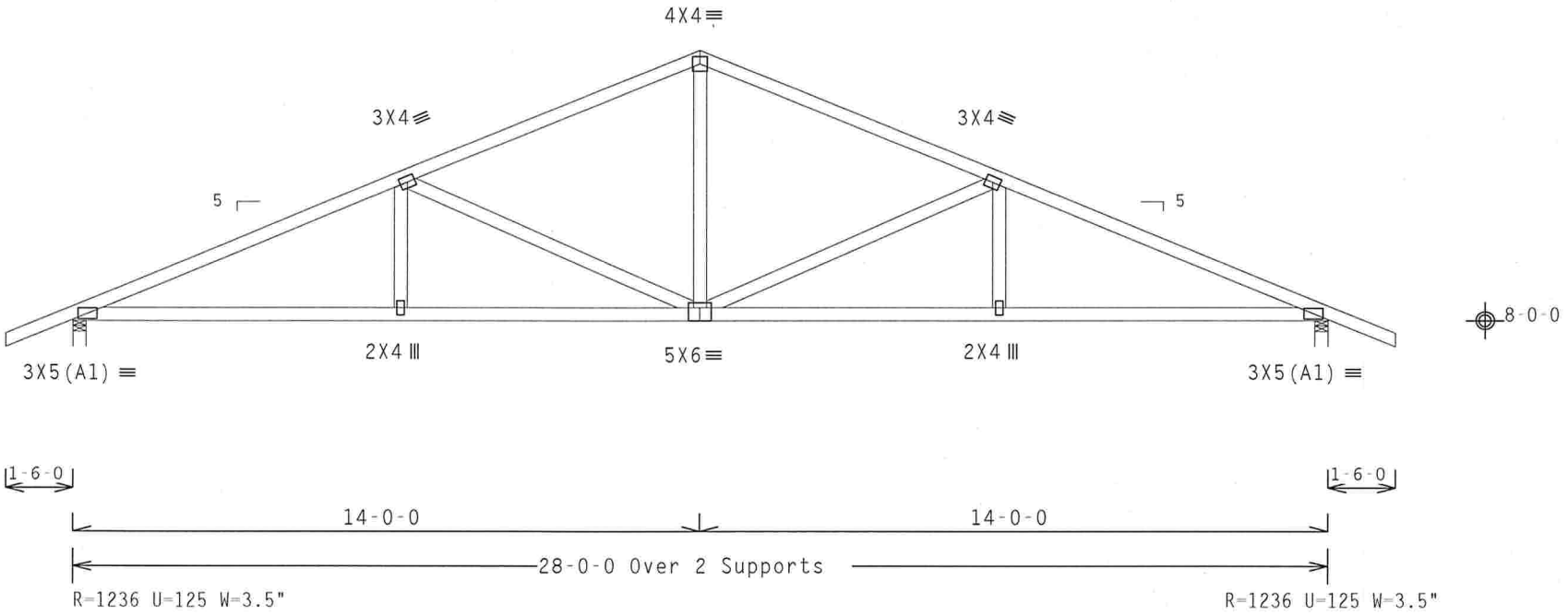
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 6-2-1.

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

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.38.00.0810.03 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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.

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

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

TC LL	20.0 PSF	REF	R215-- 31628
TC DL	10.0 PSF	DATE	12/23/08
BC DL	10.0 PSF	DRW	HCUSR215 08358001
BC LL	0.0 PSF	HC-ENG	JB/DLJ *
TOT.LD.	40.0 PSF	SEQN-	209599
DUR.FAC.	1.25	FROM	CG
SPACING	24.0"	JREF-	1TNP215_Z01

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A2)

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

Gable end supports 8" max rake overhang.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

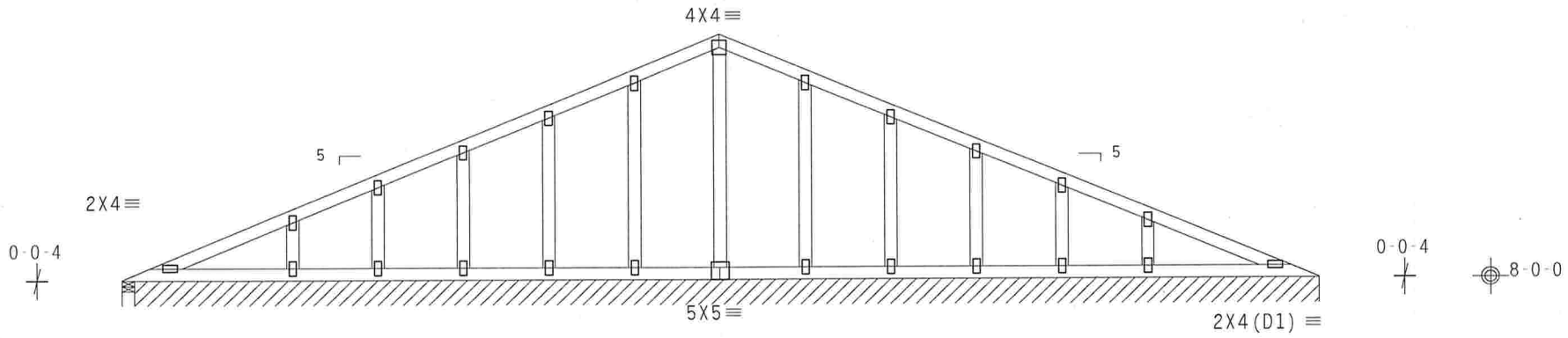
Deflection meets L/240 live and L/180 total load.

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

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-10-4.



R=-93 Rw=50 U=70 W=3.5"
R=134 PLF U=23 PLF W=27-8-8

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.0810.03 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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.

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

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

TC LL	20.0 PSF	REF R215-- 31629
TC DL	10.0 PSF	DATE 12/23/08
BC DL	10.0 PSF	DRW HCUSR215 08358002
BC LL	0.0 PSF	HC-ENG JB/DLJ
TOT.LD.	40.0 PSF	SEQN- 209597 REV
DUR.FAC.	1.25	FROM CG
SPACING	24.0"	JREF- 1TNP215_Z01

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A3)

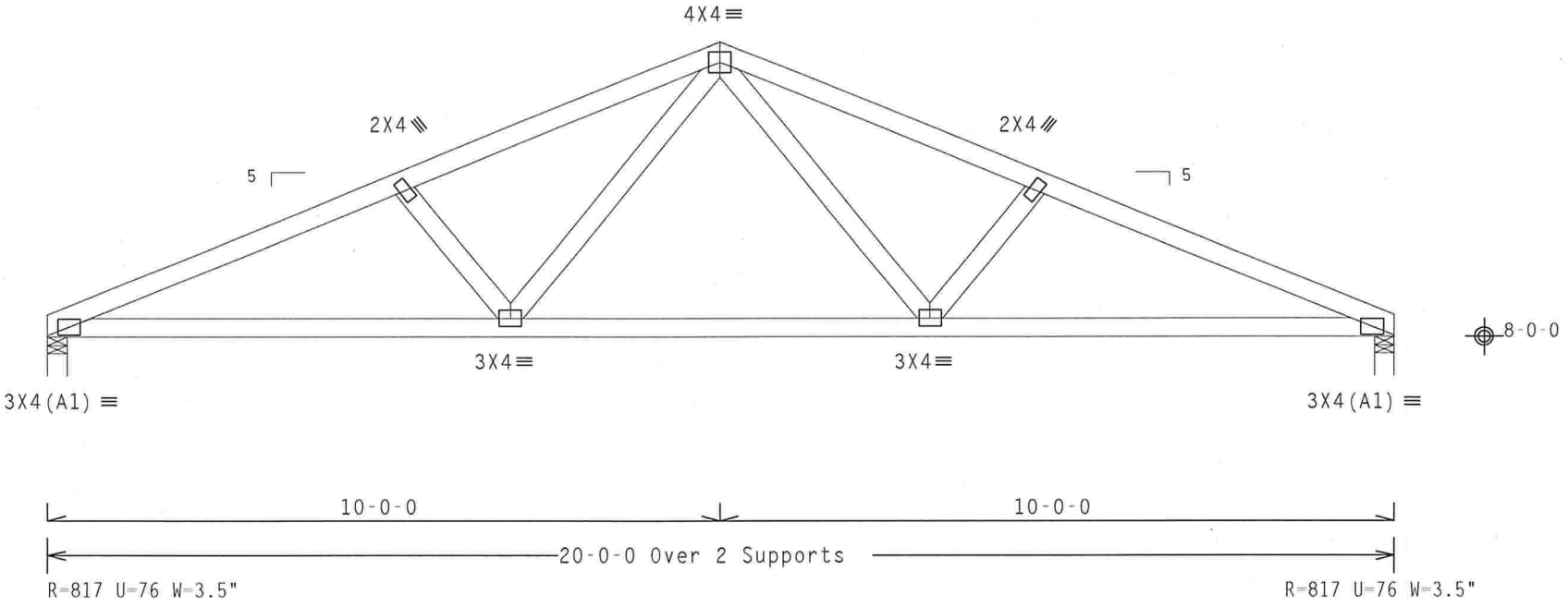
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 4-6-1.

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)/0(0) 7.38.00 [illegible] QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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. COLLIAS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R215-- 31630
TC DL	10.0 PSF	DATE 12/23/08
BC DL	10.0 PSF	DRW HCUSR215 08358010
BC LL	0.0 PSF	HC-ENG JB/DLJ *
TOT.LD.	40.0 PSF	SEQN- 209631
DUR.FAC.	1.25	FROM CG
SPACING	24.0"	JREF- 1TNP215_Z01

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A4)

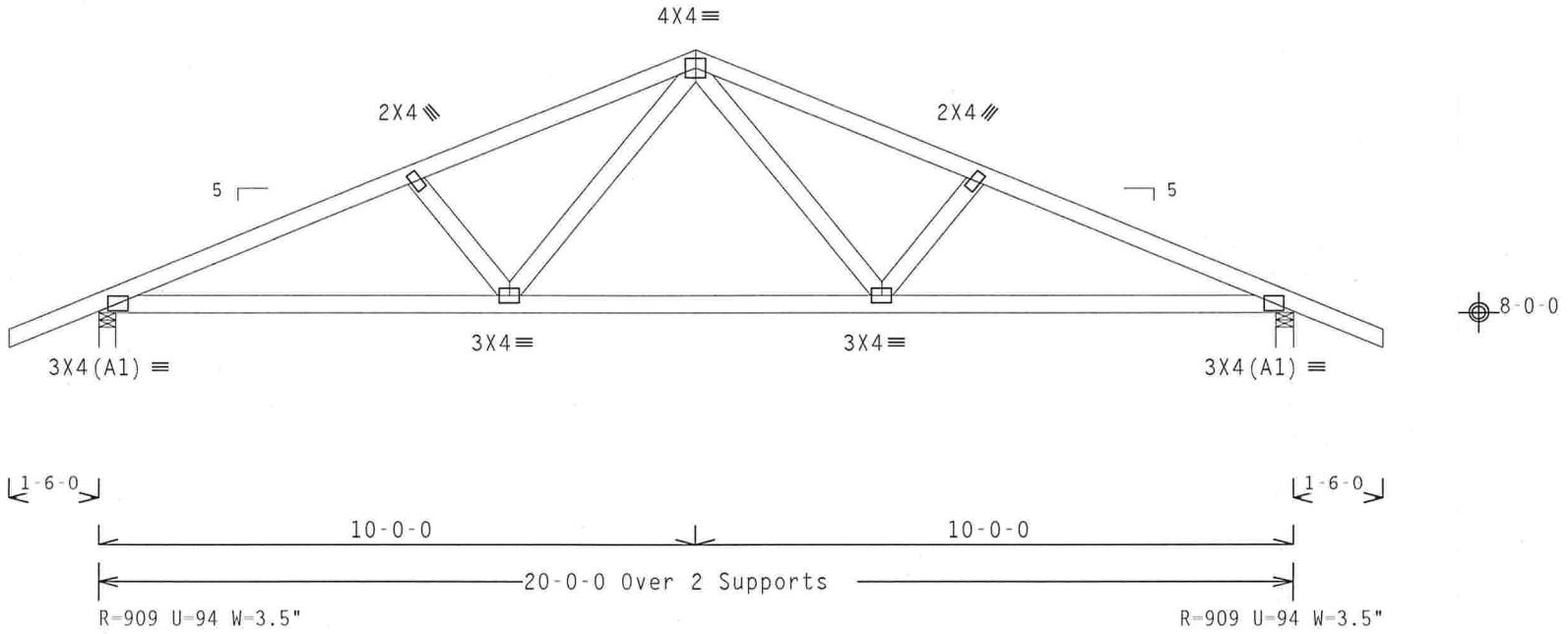
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 4-6-1.

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

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.[illegible].03 QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

TC LL	20.0 PSF	REF R215-- 31631
TC DL	10.0 PSF	DATE 12/23/08
BC DL	10.0 PSF	DRW HCUSR215 08358011
BC LL	0.0 PSF	HC-ENG JB/DLJ *
TOT.LD.	40.0 PSF	SEQN- 209609
DUR.FAC.	1.25	FROM CG
SPACING	24.0"	JREF- 1TNP215_Z01

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A5)

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

Gable end supports 8" max rake overhang.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

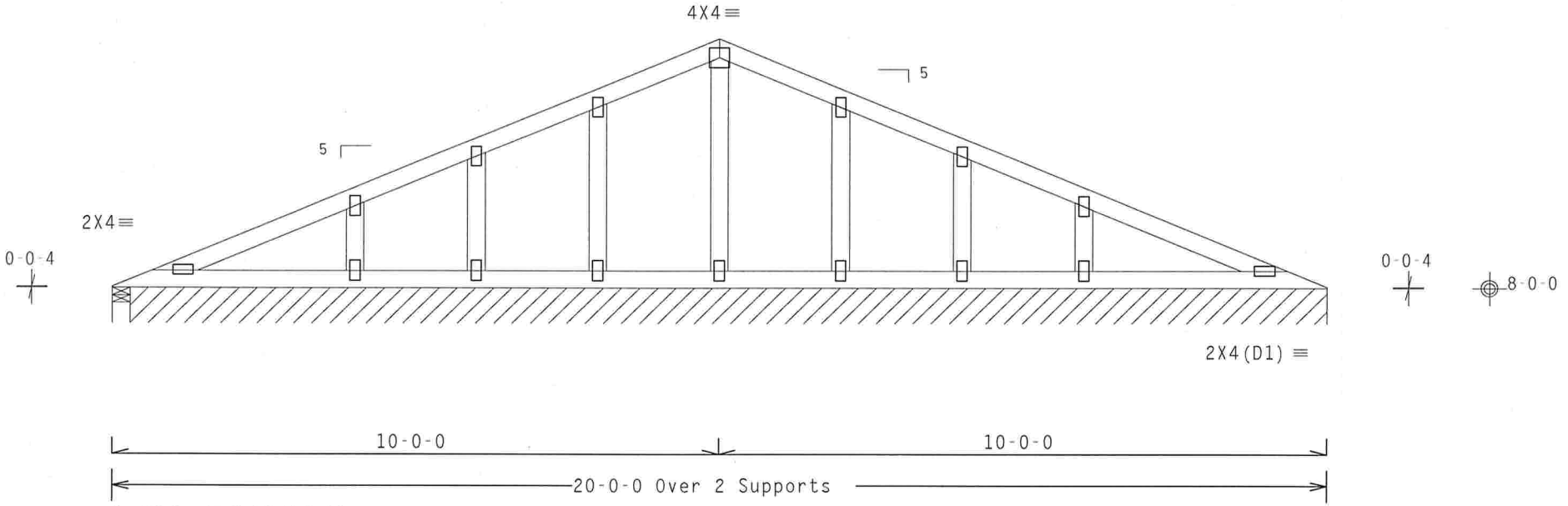
Deflection meets L/240 live and L/180 total load.

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

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

Wind reactions based on MWFRS pressures.

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



R=-93 Rw=40 U=58 W=3.5"
R=134 PLF U=22 PLF W=19-8-8

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.08.10.03 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

TC LL	20.0 PSF	REF R215-- 31632
TC DL	10.0 PSF	DATE 12/23/08
BC DL	10.0 PSF	DRW HCUSR215 08358003
BC LL	0.0 PSF	HC-ENG JB/DLJ
TOT.LD.	40.0 PSF	SEQN- 209611
DUR.FAC.	1.25	FROM CG
SPACING	24.0"	JREF- 1TNP215_Z01

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

Top chord 2x4 SP #2 N :T1 2x4 SP SS: :T2 2x6 SP #2 N:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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

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

See DWGS A11015EC0207 & GBLLETIN0207 for more requirements.

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

Gable end supports 8" max rake overhang.

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.

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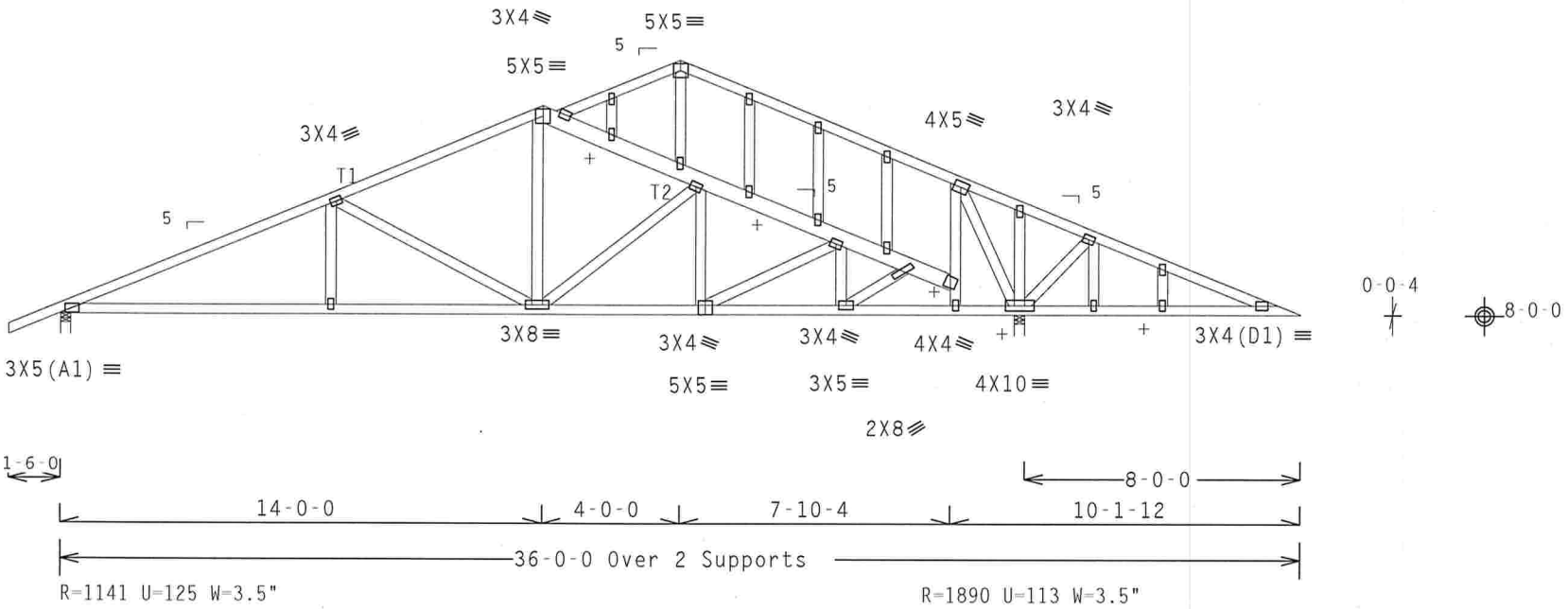

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.0810.03 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

TC LL	20.0 PSF	REF	R215-- 31633
TC DL	10.0 PSF	DATE	12/23/08
BC DL	10.0 PSF	DRW	HCUSR215 08358004
BC LL	0.0 PSF	HC-ENG	JB/DLJ
TOT.LD.	40.0 PSF	SEQN-	209649
DUR.FAC.	1.25	FROM	CG
SPACING	24.0"	JREF-	1TNP215_Z01

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A7)

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

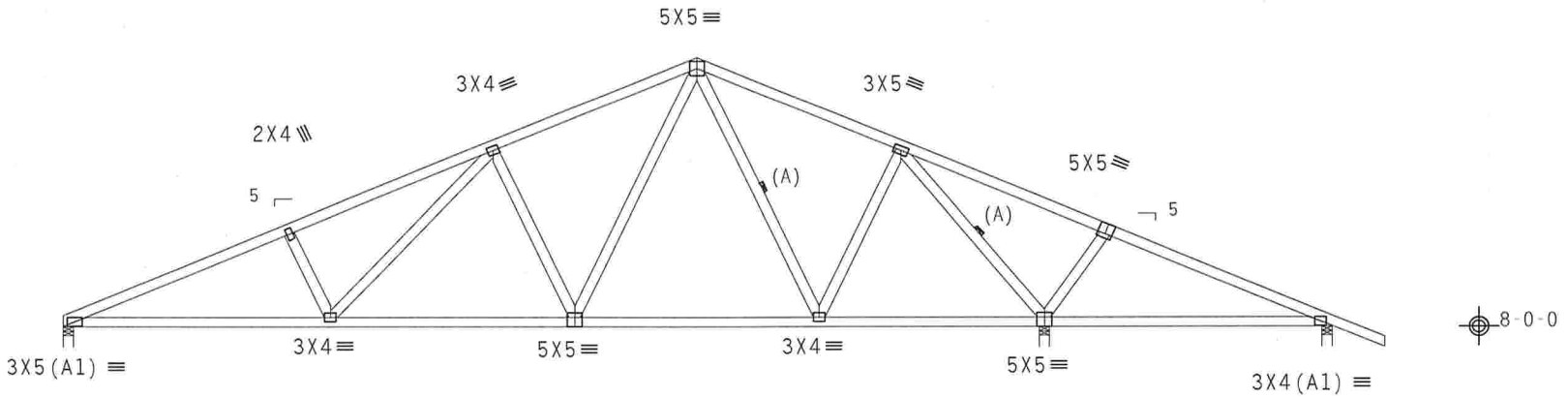
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

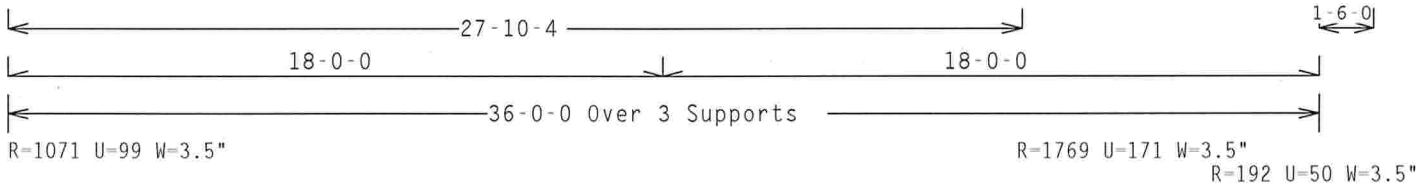
The overall height of this truss excluding overhang is 7-10-1.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.081C-13 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

TC LL	20.0 PSF	REF	R215-- 31634
TC DL	10.0 PSF	DATE	12/23/08
BC DL	10.0 PSF	DRW	HCUSR215 08358005
BC LL	0.0 PSF		HC-ENG JB/DLJ
TOT.LD.	40.0 PSF	SEQN-	209607
DUR.FAC.	1.25	FROM	CG
SPACING	24.0"	JREF-	1TNP215_Z01

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

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

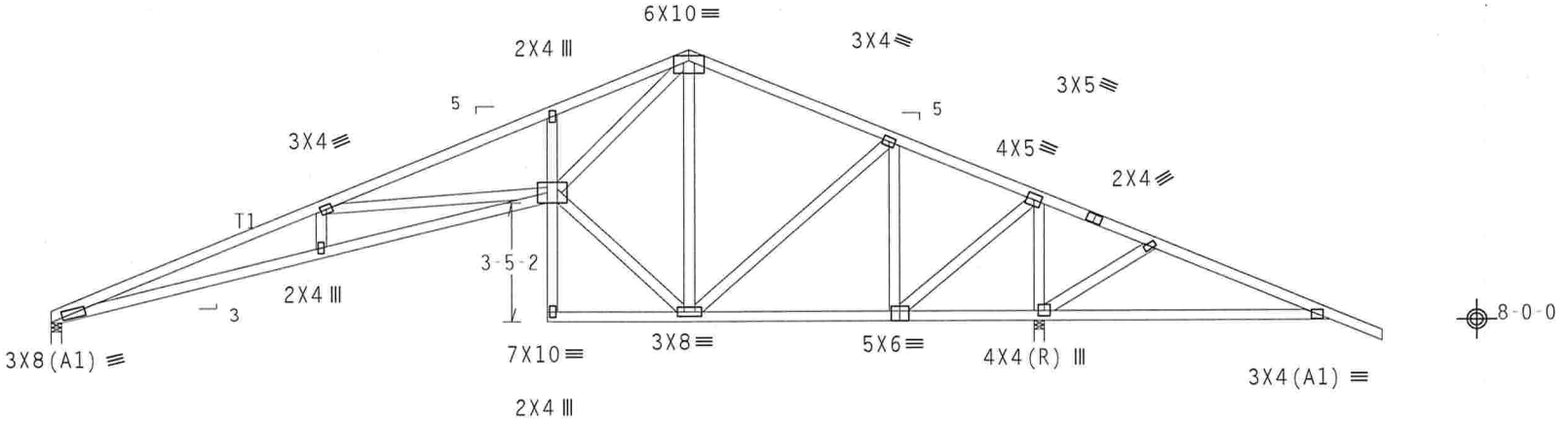
Calculated horizontal deflection is 0.22" due to live load and 0.23" due to dead load.

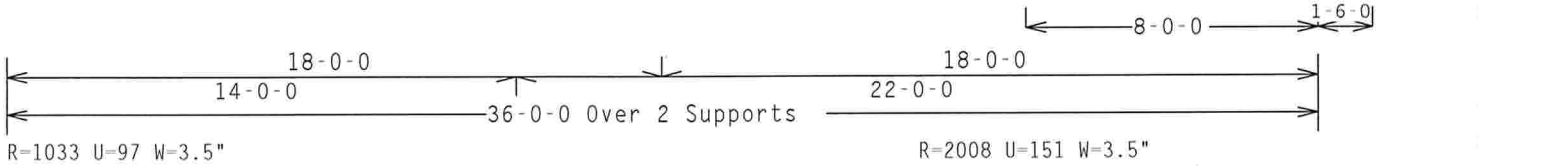
The overall height of this truss excluding overhang is 7-10-1.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.0810.03 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

TC LL	20.0 PSF	REF	R215-- 31635
TC DL	10.0 PSF	DATE	12/23/08
BC DL	10.0 PSF	DRW	HCUSR215 08358006
BC LL	0.0 PSF	HC-ENG	JB/DLJ
TOT.LD.	40.0 PSF	SEQN-	209626
DUR.FAC.	1.25	FROM	CG
SPACING	24.0"	JREF-	1TNP215_Z01

(5898 /Destiny Lee Residence /Plumb Level Construction -- , ** - A9)

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

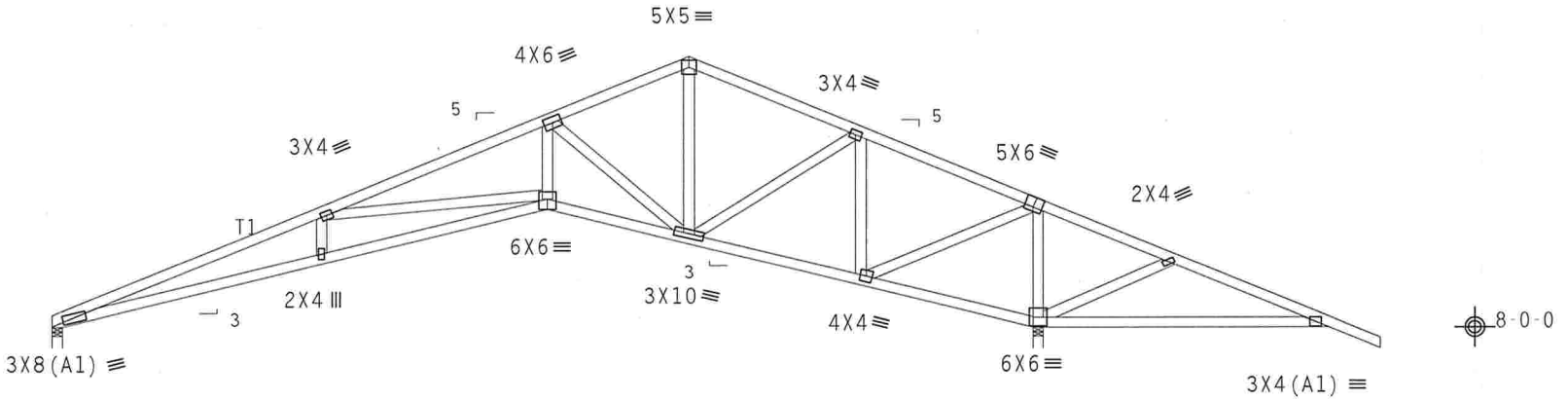
Calculated horizontal deflection is 0.20" due to live load and 0.20" due to dead load.

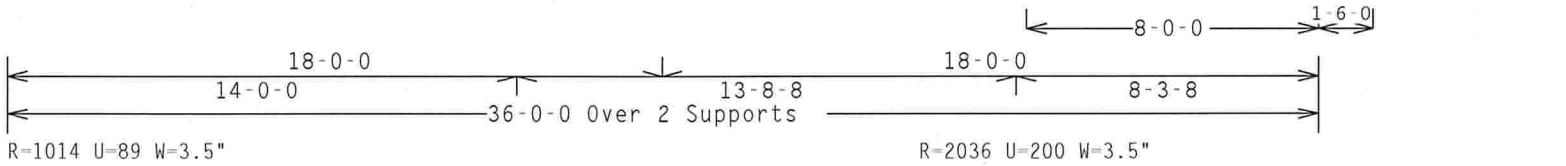
The overall height of this truss excluding overhang is 7-10-1.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.0810 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

TC LL	20.0 PSF	REF R215-- 31636
TC DL	10.0 PSF	DATE 12/23/08
BC DL	10.0 PSF	DRW HCUSR215 08358007
BC LL	0.0 PSF	HC-ENG JB/DLJ
TOT.LD.	40.0 PSF	SEQN- 209621
DUR.FAC.	1.25	FROM CG
SPACING	24.0"	JREF- 1TNP215_Z01

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A10)

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

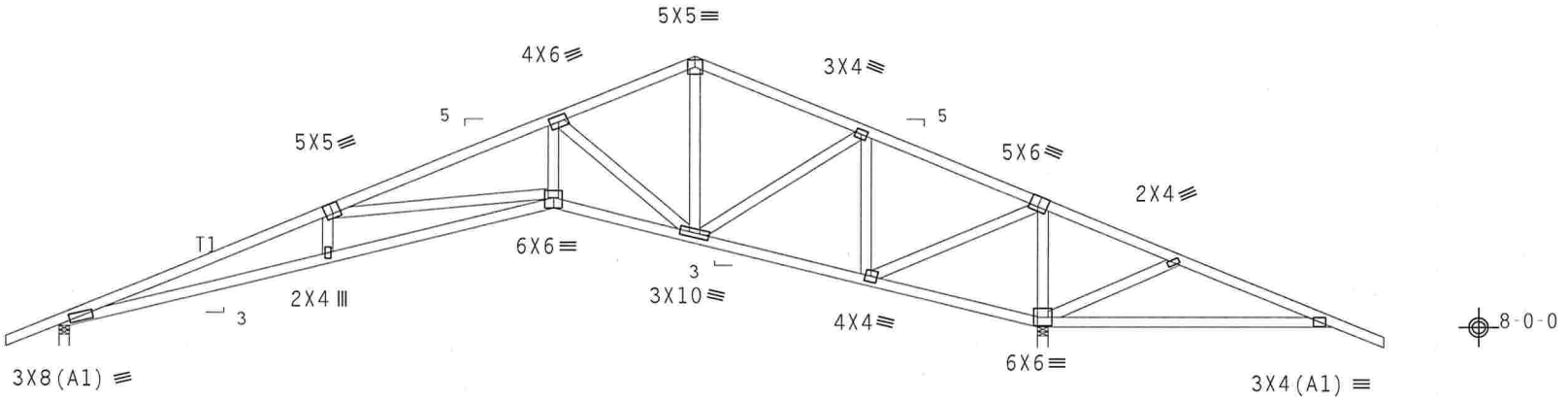
Calculated horizontal deflection is 0.21" due to live load and 0.21" due to dead load.

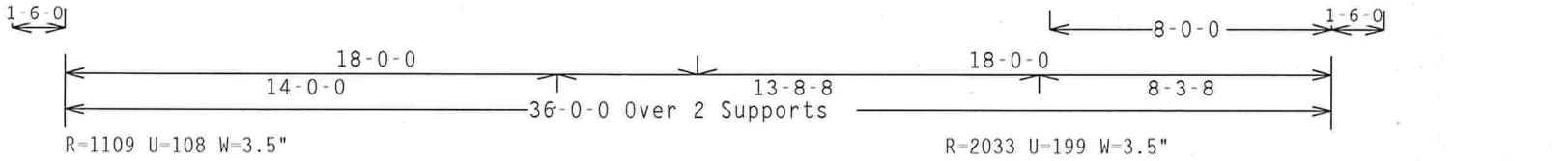
The overall height of this truss excluding overhang is 7-10-1.

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

Wind reactions based on MWFRS pressures.

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.0810-03 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

TC LL	20.0 PSF	REF R215-- 31637
TC DL	10.0 PSF	DATE 12/23/08
BC DL	10.0 PSF	DRW HCUSR215 08358008
BC LL	0.0 PSF	HC-ENG JB/DLJ
TOT.LD.	40.0 PSF	SEQN- 209616
DUR.FAC.	1.25	FROM CG
SPACING	24.0"	JREF- 1TNP215_Z01

(5898-/Destiny Lee Residence /Plumb Level Construction -- , ** - A11)

Top chord 2x4 SP #2 N :T1 2x4 SP SS: :T2 2x6 SP #2 N:
Bot chord 2x4 SP #2 N :B2 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

Calculated horizontal deflection is 0.26" due to live load and 0.27" due to dead load.

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

See DWGS A11015ECO207 & GBLLETIN0207 for more requirements.

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

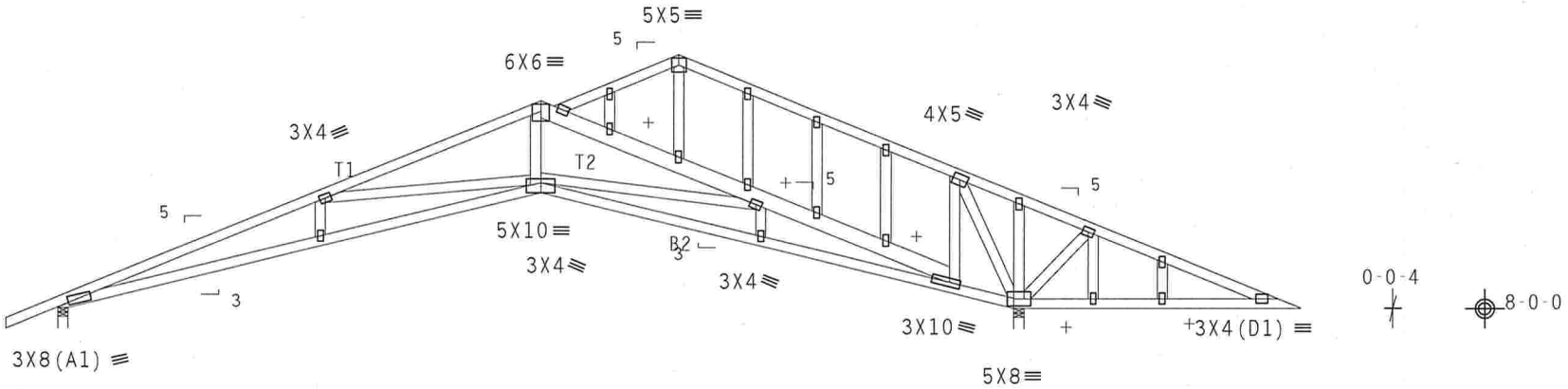
Gable end supports 8" max rake overhang.

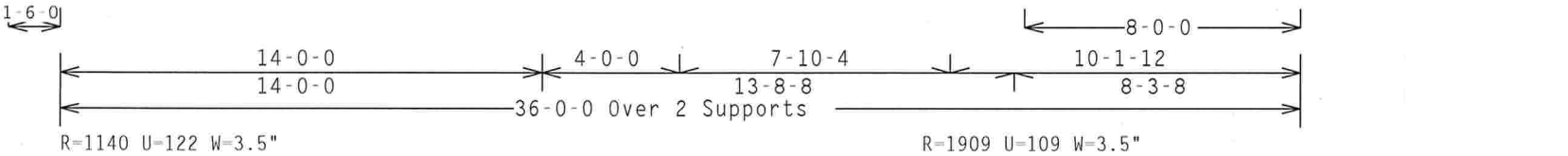
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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





Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.38.00.0810.03 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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TC LL	20.0 PSF	REF R215-- 31638
TC DL	10.0 PSF	DATE 12/23/08
BC DL	10.0 PSF	DRW HCUSR215 08358009
BC LL	0.0 PSF	HC-ENG JB/DLJ
TOT.LD.	40.0 PSF	SEQN- 209640
DUR.FAC.	1.25	FROM CG
SPACING	24.0"	JREF- 1TNP215_Z01

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

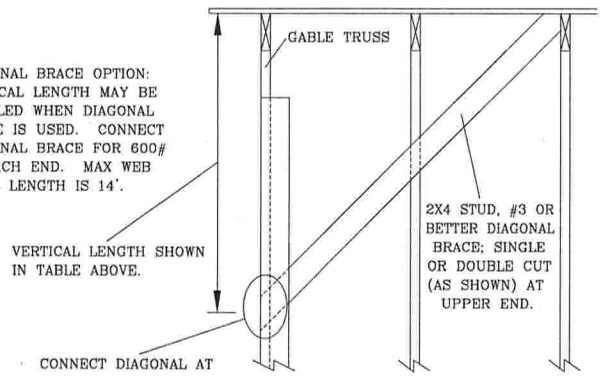
GROUP B:

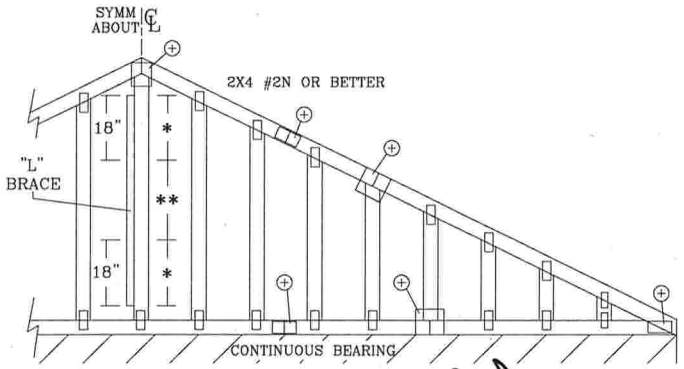
HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 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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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

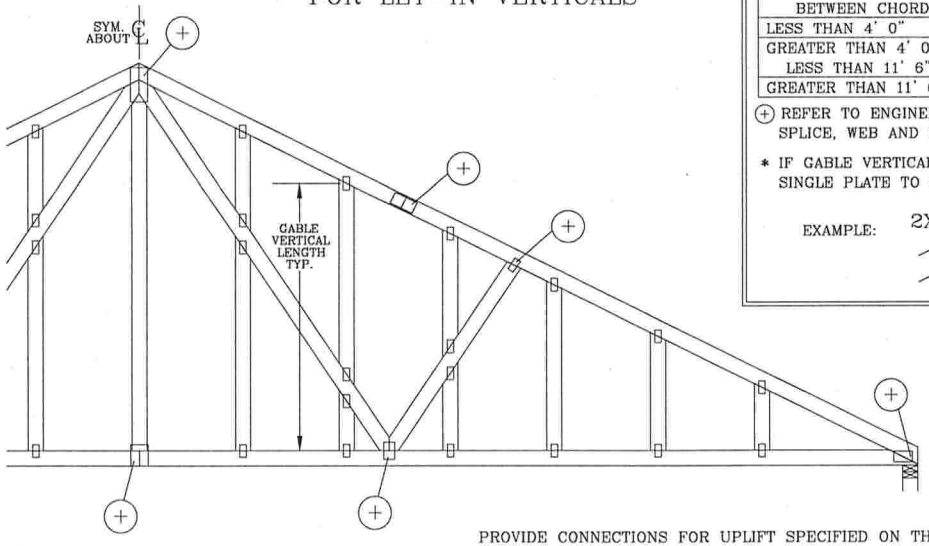
Date: 2/23 '08

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

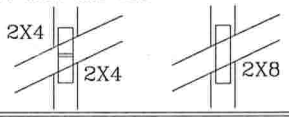


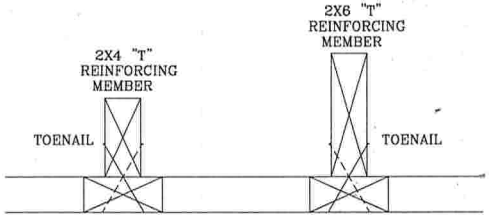
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ 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:





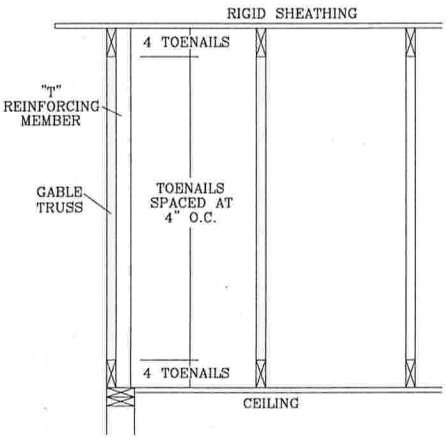
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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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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

ASCE 7-98: 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

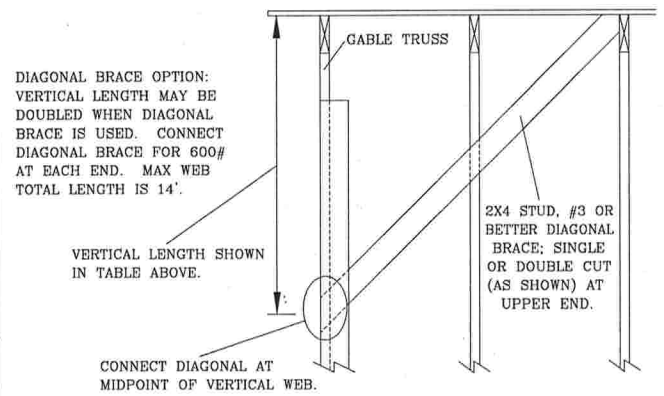
SOUTHERN PINE
#3
STUD
STANDARD

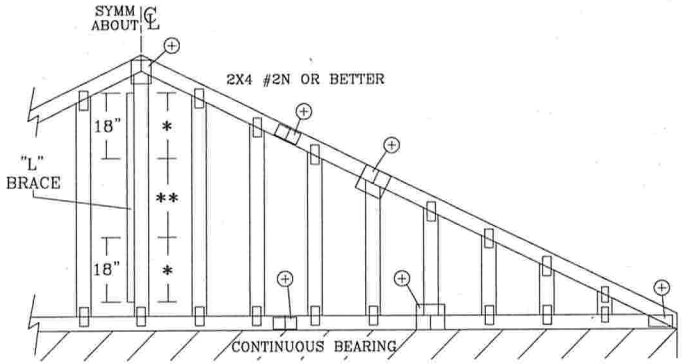
GROUP B:

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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DEC 23

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

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GAB11015
DATE	2/23/07
DRWG	A11015EC0207
-ENG	

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) **SHALL BE USED.**

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

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

GENERAL REQUIREMENTS;

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

Site Plan information including:

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

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

- ✓ Plans or specifications must meet state compliance with FRC Chapter 3
- ✓ The following information must be shown as per section FRC
- ✓ Basic wind speed (3-second gust), miles per hour
- ✓ Wind importance factor and nature of occupancy
- ✓ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ✓ The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.

Elevations Drawing including:

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

Floor Plan including:

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

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

Foundation Plans Per FRC 403:

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

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

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

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

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

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

Floor Framing System: First and/or second story

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

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

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

ROOF SYSTEMS:

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

Conventional Roof Framing Layout Per FRC 802:

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

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

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

ROOF ASSEMBLIES FRC Chapter 9

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

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

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

HVAC information shown

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

Plumbing Fixture layout shown

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

Electrical layout shown including:

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

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

- Notarized Disclosure Statement for Owner Builders

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

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

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

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

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

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

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

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

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

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

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

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

_____

_____

_____

_____ _____

Contractor or Contractor's Authorized Agent Signature Print Name Date

_____ _____

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

Residential System Sizing Calculation

Summary

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

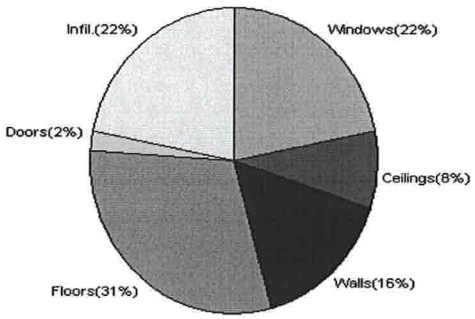
12/16/2008

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	**25724**	**Btuh**	**Total cooling load calculation**	**24756**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.6	30000	Sensible (SHR = 0.75)	109.6	22500
Heat Pump + Auxiliary(0.0kW)	116.6	30000	Latent	177.6	7500
			Total (Electric Heat Pump)	121.2	30000

WINTER CALCULATIONS

Winter Heating Load (for 1736 sqft)

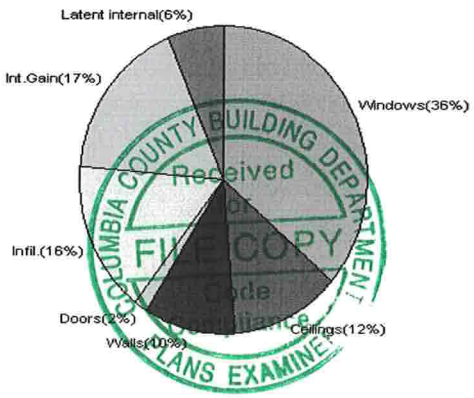
Load component			Load	
Window total	176	sqft	5665	Btuh
Wall total	1224	sqft	4020	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	1808	sqft	2130	Btuh
Floor total	180	sqft	7859	Btuh
Infiltration	137	cfm	5532	Btuh
Duct loss			0	Btuh
Subtotal			**25724**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**25724**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1736 sqft)

Load component			Load	
Window total	176	sqft	9019	Btuh
Wall total	1224	sqft	2553	Btuh
Door total	40	sqft	392	Btuh
Ceiling total	1808	sqft	2994	Btuh
Floor total			0	Btuh
Infiltration	72	cfm	1335	Btuh
Internal gain			4240	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**20533**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			2622	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**4222**	**Btuh**
TOTAL HEAT GAIN			**24756**	**Btuh**



COLUMBIA COUNTY BUILDING DEPARTMENT
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For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 12/16/08 EVAN Bettmsley

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

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

12/16/2008

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	16.0	32.2	515 Btuh
2	2, Clear, Metal, 0.87	NW	9.0	32.2	290 Btuh
3	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
5	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	SE	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SW	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
	Window Total		176(sqft)		5665 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1224	3.3	4020 Btuh
	Wall Total		1224		4020 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	1808	1.2	2130 Btuh
	Ceiling Total		1808		2130Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	180.0 ft(p)	43.7	7859 Btuh
	Floor Total		180		7859 Btuh
			Zone Envelope Subtotal:		20192 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.59	13888	136.6	5532 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**25724 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	25724 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25724 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

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

12/16/2008

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	16.0	32.2	515 Btuh
2	2, Clear, Metal, 0.87	NW	9.0	32.2	290 Btuh
3	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
5	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	SE	60.0	32.2	1931 Btuh
7	2, Clear, Metal, 0.87	SW	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
	Window Total		176(sqft)		5665 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1224	3.3	4020 Btuh
	Wall Total		1224		4020 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	1808	1.2	2130 Btuh
	Ceiling Total		1808		2130Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	180.0 ft(p)	43.7	7859 Btuh
	Floor Total		180		7859 Btuh
			Zone Envelope Subtotal:		20192 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.59	13888	136.6	5532 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**25724 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	25724 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25724 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear (
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 12/16/2008

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

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	NW	1.5ft	0ft.	16.0	0.0	16.0	29	60	961 Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft	4ft.	9.0	0.0	9.0	29	60	540 Btuh
3	2, Clear, 0.87, None,N,N	NW	12ft.	6ft.	15.0	0.0	15.0	29	60	901 Btuh
4	2, Clear, 0.87, None,N,N	NW	1.5ft	6ft.	15.0	0.0	15.0	29	60	901 Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft	6ft.	30.0	9.1	20.9	29	63	1569 Btuh
6	2, Clear, 0.87, None,N,N	SE	8ft.	6ft.	60.0	60.0	0.0	29	63	1738 Btuh
7	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	15.0	0.0	15.0	29	63	938 Btuh
8	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	16.0	0.0	16.0	29	63	1001 Btuh
	Excursion									471 Btuh
	Window Total				176 (sqft)					9019 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1224.0	2.1	2553 Btuh
	Wall Total		1224 (sqft)		2553 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	1808.0	1.7	2994 Btuh
	Ceiling Total		1808 (sqft)		2994 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	180 (ft(p))	0.0	0 Btuh
	Floor Total		180.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	14958 Btuh

Infiltration	Type	ACH		Volume(cuft)		CFM=	Load
	SensibleNatural	0.31		13888		71.8	1335 Btuh
Internal gain		Occupants		Btuh/occupant		Appliance	Load
		8	X	230	+	2400	4240 Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0 Btuh
						Sensible Zone Load	**20533 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

12/16/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**20533**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**20533**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
	Total sensible gain	**20533**	**Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	2622	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**4222**	**Btuh**
	TOTAL GAIN	**24756**	**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)

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System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 12/16/2008

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

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	NW	1.5ft	0ft.	16.0	0.0	16.0	29	60	961 Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft	4ft.	9.0	0.0	9.0	29	60	540 Btuh
3	2, Clear, 0.87, None,N,N	NW	12ft.	6ft.	15.0	0.0	15.0	29	60	901 Btuh
4	2, Clear, 0.87, None,N,N	NW	1.5ft	6ft.	15.0	0.0	15.0	29	60	901 Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft	6ft.	30.0	9.1	20.9	29	63	1569 Btuh
6	2, Clear, 0.87, None,N,N	SE	8ft.	6ft.	60.0	60.0	0.0	29	63	1738 Btuh
7	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	15.0	0.0	15.0	29	63	938 Btuh
8	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	16.0	0.0	16.0	29	63	1001 Btuh
	Excursion									471 Btuh
	Window Total				176 (sqft)					9019 Btuh

	Type	R-Value/U-Value	Area(sqft)	HTM	Load
Walls					
1	Frame - Wood - Ext	13.0/0.09	1224.0	2.1	2553 Btuh
	Wall Total		1224 (sqft)		2553 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	1808.0	1.7	2994 Btuh
	Ceiling Total		1808 (sqft)		2994 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	180 (ft(p))	0.0	0 Btuh
	Floor Total		180.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		14958 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.31	13888	71.8	1335 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		8	X 230 +	2400	4240 Btuh
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**20533 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

Class 3 Rating
Registration No. 0
Climate: North

12/16/2008

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**20533**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**20533**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**20533**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	2622	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	**4222**	**Btuh**
	TOTAL GAIN	**24756**	**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)

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For Florida residences only

Residential Window Diversity

MidSummer

Destiny Lee
Wendy Road
Lake City, Fl

Project Title:
812165PlumbLevelLeeDestiny

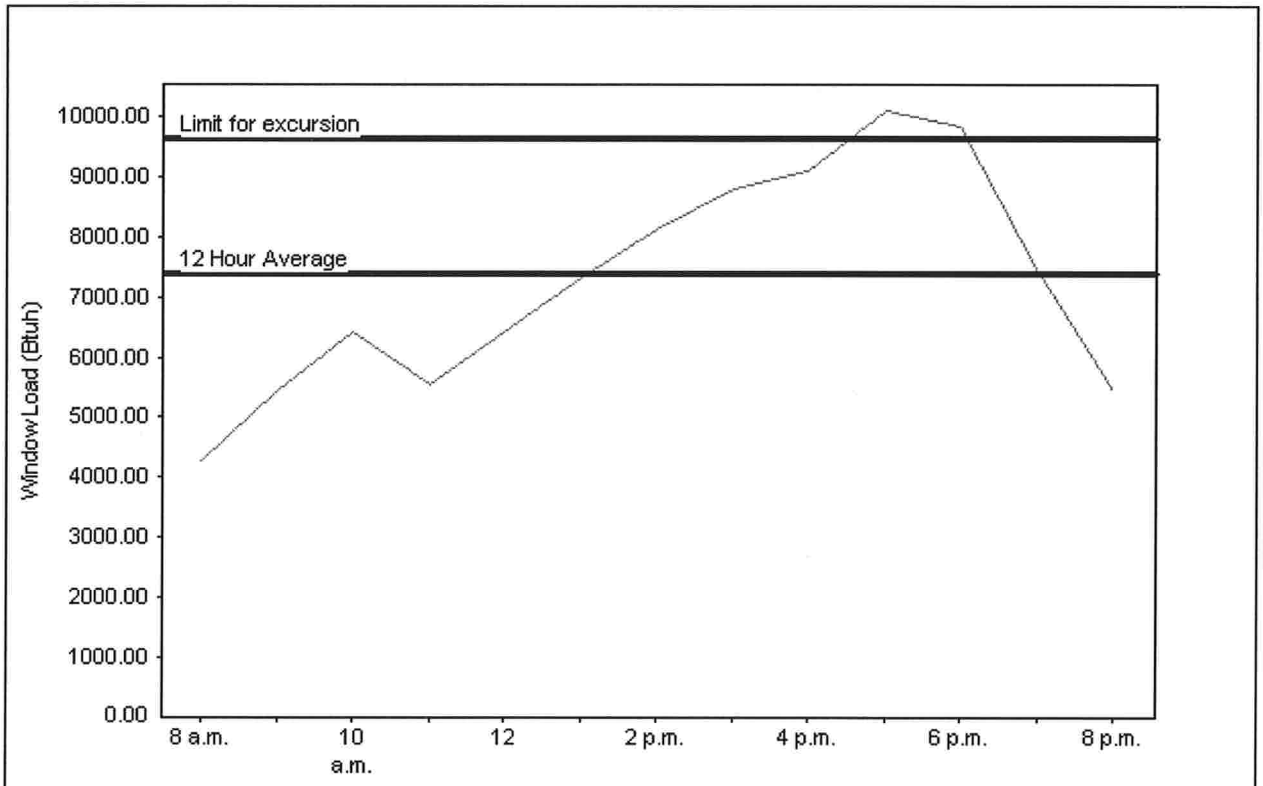
Class 3 Rating
Registration No. 0
Climate: North

12/16/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	7409 Btuh
Summer setpoint	75 F	Peak window load for July	10103 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	9631 Btuh
Latitude	29 North	Window excursion (July)	471 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

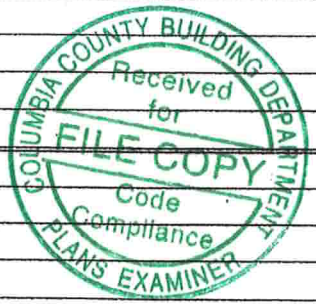
Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: 12/16/08 EVAN BEAMSLEY

Location: Project Name:

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242-R1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-R2
2. Soffits			FL 4899
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			FL 3820-R1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			



Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			FL. 1960-R1
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			FL 457-R1
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL. 474-R1
2. Truss plates			
3. Engineered lumber			FL 1008-R1
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)