DATE 07/09/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000026000

APPLICANT TRAVIS TIMMONS PHONE 623-4954

ADDRESS 255 NW CAROL PLACE LAKE CITY FL 32055

OWNER TRAVIS TIMMONS PHONE 623-4954

ADDRESS 237 NW MADELIENE TERR LAKE CITY FL 32055

CONTRACTOR TRAVIS TIMMONS PHONE 623-4954

LOCATION OF PROPERTY 90W, TR ON TURNER AVE, TL ON CAROL PLACE, RIGHT CORNER OF MADELIENE AND CAROL PLACE

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 64850.00

HEATED FLOOR AREA 1297.00 TOTAL AREA 1682.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 15

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

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

PARCEL ID 28-3S-16-02366-012 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES

		CGC1513728		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	07-454	BK	JH	
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE, ONE FOOT ABOVE THE ROAD

Check # or Cash 1567

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by

Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by

Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by

M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 325.00 CERTIFICATION FEE $ 8.41 SURCHARGE FEE $ 8.41

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 416.82

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

PREPARED BY/RETURN TO:
Laura J. Sullivan
Delzer, Coulter & Bell, P.A.
7920-A U. S. Highway 19
Port Richey, Florida 34668

File Number: PR060605

General Warranty Deed

Made this July 14, 2006, A.D., by **DEBRA S. TREANOR**, who resides at: 7132 Blackbird Avenue, Weeki Wachee, Florida 34613, hereinafter called the Grantor, to **TRAVIS L. TIMMONS, a single person**, whose post office address is: 255 N.W. Carol Place, Lake City, Florida 32055, hereinafter called the Grantee.

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

Witnesseth, that the Grantor, for and in consideration of the sum of TEN AND 00/100 DOLLARS ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee, all that certain land situate in Columbia County, Florida:

COMMENCE at the Southwest corner of the NE1/4 of the SE1/4, Section 28, Township 3 South, Range 16 East, and run thence South 89°17'10" East along the South line of said NE1/4 of the SE 1/4, 1290.18 feet to the West right-of-way line of Turner Road; thence run North 0°30' West along said West line, 685.00 feet to the North line of Carol Street; thence North 89°17'10" West, along said North line, 670.50 feet to the Point of Beginning; thence continue North 89°17'10" West along said North line, 223.50 feet to the East line of Madeleine Street; thence North 0°30' West along said East line, 195.00 feet; thence South 89°17'10" East, 223.50 feet; thence South 0°30' East, 195.00 feet to the Point of Beginning. Subject to easement as required for utility purposes; TOGETHER with 1974 MONTI mobile home - VIN #60122F&R3253 - Title #8459363.

SUBJECT to restrictions, easements and reservations of record.

Said property is not the homestead of the Grantor under the laws and constitution of the State of Florida in that neither Grantor nor any members of the household of Grantor reside thereon.

Parcel ID Number: **28-3S-16-02366-012 HX**

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

To Have and to Hold, the same in fee simple forever.

And the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2005.

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

Signed, sealed and delivered in our presence:
AS TO GRANTOR:

Regina R Shaw
Witness Printed Name Regina R Shaw

Regina Lubonski
Witness Printed Name REGINA LUBONSKI

Debra S. Treanor (Seal)
DEBRA S. TREANOR
Address: 7132 Blackbird Avenue, Weeki Wachee, Florida 34613

State of FLORIDA:
County of Brevard:

4YR- BK: CHARLES TIMMONS: SAID NESPOKE W/ YOU ABOUT 2 HOMES GOING ON THIS PARCEL 3 TO 4 WKS ago

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0706-51 Date Received 6/14 By JW Permit # 26000

Application Approved by - Zoning Official BLK Date 9.07.07 Plans Examiner OKJTH Date 6-25-07

Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.

Comments NOC - N Proof of License Needed - N

Applicants Name TRAVIS L. TIMMONS Phone 386-623-4954

Address 255 NW CAROL PL, LAKE CITY, FL 32055

Owners Name TRAVIS L. TIMMONS Phone 386-623-4954

911 Address 237 NW MADELIENE TER, LAKE CITY, FL 32055

Contractors Name TRAVIS L. TIMMONS Phone 386-623-4954

Address 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055 OR 386-752-0375

Fee Simple Owner Name & Address

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address NICHOLAS GEISIG, L.C, FL 32055

Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 28-3S-16-02366-012 Estimated Cost of Construction 70,000

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

Driving Directions US 90 WEST TO TURNER AVE, NORTH ON TURNER AVE @ 3/4 MILE, LEFT ON CAROL PL TO NW MADELIENE TER, RIGHT ON NW MADELIENE TER, SITE IS ON RIGHT, 4th right corner of Carol + Mad.

Type of Construction FRAME/BRICK VENEER Number of Existing Dwellings on Property 0

Total Acreage 1 Lot Size ½ ACRE Do you need a ~~Culvert Permit~~ or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 25' Side 68.5' Side 68.5' Rear 57.5'

Total Building Height 15' Number of Stories 1 Heated Floor Area 1297 Roof Pitch 6/12

TOTAL 1682

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

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

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

Travis L Timmons
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 14th day of JUNE 2007.

Personally known ✓ or Produced Identification ___

Travis L Timmons
Contractor Signature

Contractors License Number CGC1513728

Competency Card Number

NOTARY STAMP/SEAL

Regina G Timmons
My Commission DD228678
Expires October 29, 2007

Regina G Timmons
Notary Signature

JW called TRAVIS 7.9.07

NORTH

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and inaccordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.
IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 28-3S-16-02366-012 **Permit Number** _____

1. Description of property: (legal description of the property and street address or 911 address)
255 NW CAROL PL
LAKE CITY, FL 32055

2. General description of improvement: 3 BEDROOM 2 BATH RESIDENCE

3. Owner Name & Address TRAVIS L. TIMMONS, 255 NW CAROL PL, LAKE CITY, FL 32055 **Interest in Property** FEE SIMPLE

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name TRAVIS L. TIMMONS **Phone Number** 386-752-0375
Address 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055

6. Surety Holders Name N/A **Phone Number** _____
Address N/A
Amount of Bond N/A

7. Lender Name N/A
Address N/A

Inst:200712013704 Date:6/21/2007 Time:8:57 AM
DC,P.DeWitt Cason ,Columbia County Page 1 of 1

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name TRAVIS L. TIMMONS **Phone Number** 386-752-0375
Address 641 NW HARRIS LAKE DR., LAKE CITY, FL 32055

9. In addition to himself/herself the owner designates _____ **of** _____ **to receive a copy of the Lien Notice as provided in Section 713.13 (1) –**
(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN IN HIS/HER STEAD.

Travis L. Timmons
Signature of Owner

Sworn to (or affirmed) and subscribed before day of JUNE 18, **20** 07.

Regina G Timmons **NOTARY STAMP/SEAL**
Signature of Notary

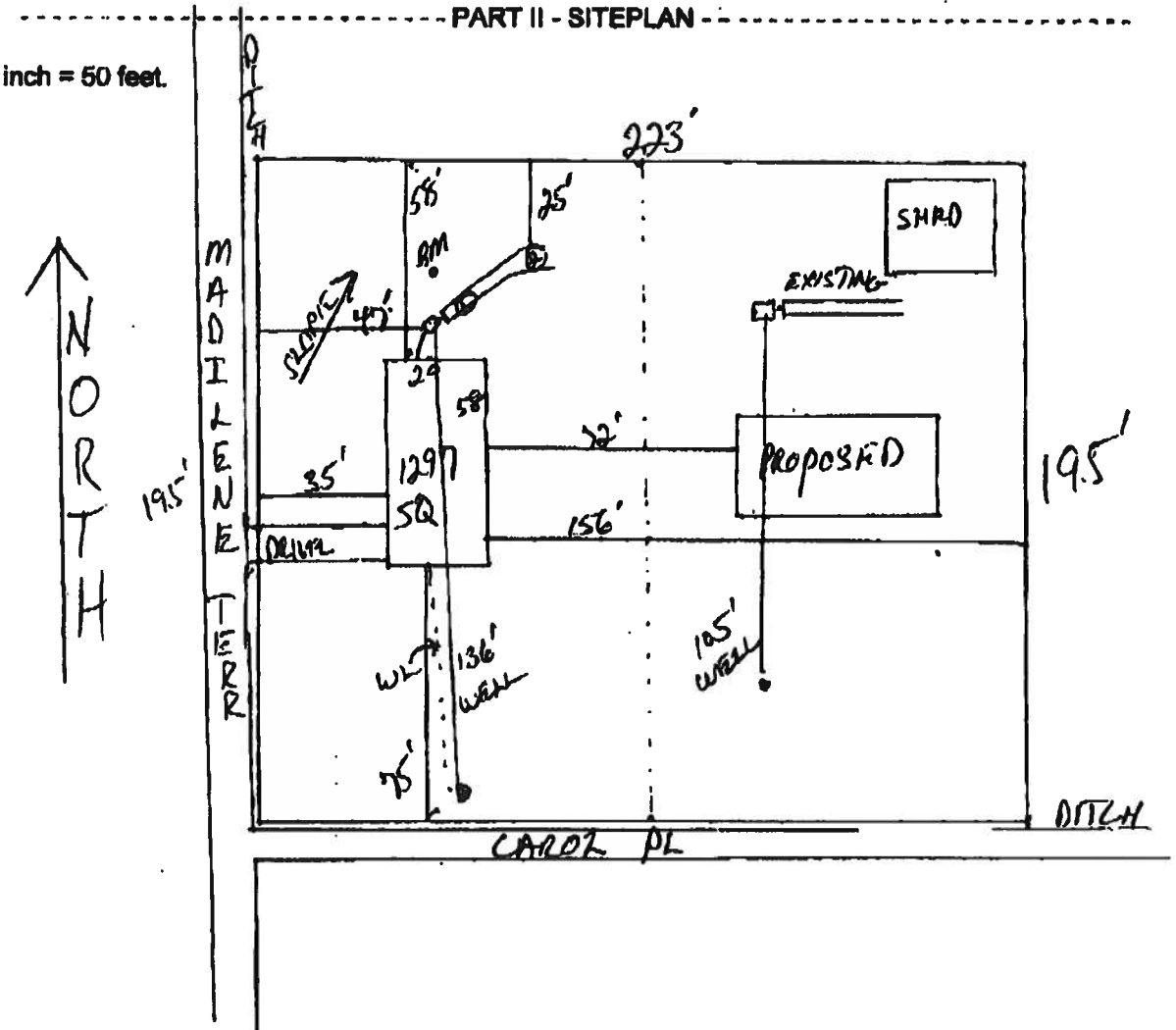
Regina G Timmons
My Commission DD228678
Expires October 29, 2007

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

Permit Application Number 07-0454

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: _____

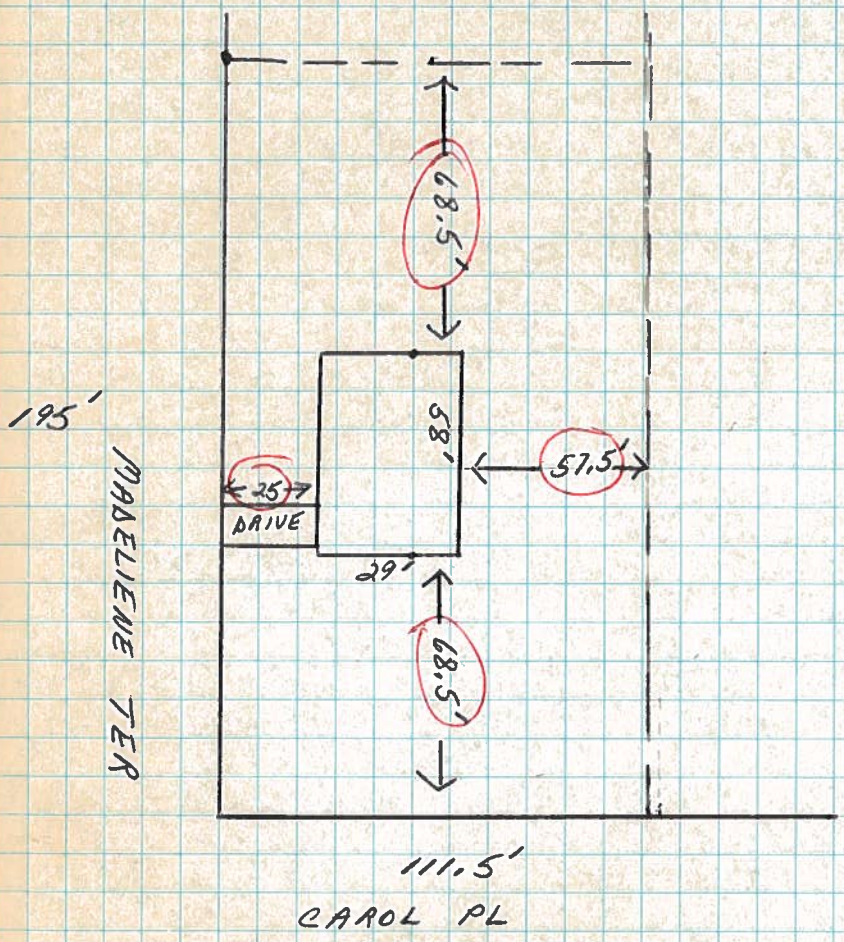
Site Plan submitted by: Rocky D 7-0

Plan Approved ✓ Not Approved ____ MASTER CONTRACTOR

By Mr. Dan Columbia County Health Department Date 6/7/07

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

237 NW MADELIENE TER.



COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 5/29/2007 **DATE ISSUED:** 5/30/2007

ENHANCED 9-1-1 ADDRESS:

237 NW MADELIENE TER

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

28-3S-16-02366-012

Remarks:

WAS 259 CAROL PL, CHANGED DUE TO ACCESS

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.

776

Approved Address

MAY 31 2007

911Addressing/GIS Dept

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

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

January 23,2007

Notice To All Contractors:

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

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

Thank You ,

Donald D. Hall

FORM 600A-2004 Tested sealed ducts must be certified in this house. EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Charles Timmons - Turner RD LEFT**	Builder:	**Charles Timmons**
Address:	**NW Madeliene Terrace**	Permitting Office:	COLUMBIA
City, State:	**Lake City, FL 32025-**	Permit Number:	
Owner:	**1297 Model LEFT**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New		
2. Single family or multi-family	Single family		
3. Number of units, if multi-family	1		
4. Number of Bedrooms	3		
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	1297 ft²		
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	7a.	Description Area (Sngle Default) 171.7 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b.	(Clear) 171.7 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 154.0(p) ft		
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior	R=13.0, 816.3 ft²		
b. Frame, Wood, Exterior	R=13.0, 212.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1297.0 ft²		
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft		
b. N/A			
12. Cooling systems			
a. Central Unit		Cap: 35.0 kBtu/hr SEER: 11.00	
b. N/A			
c. N/A			
13. Heating systems			
a. Electric Heat Pump		Cap: 35.0 kBtu/hr HSPF: 6.80	
b. N/A			
c. N/A			
14. Hot water systems			
a. Electric Resistance		Cap: 50.0 gallons EF: 0.90	
b. N/A			
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)			
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		PT,	

Glass/Floor Area: 0.13

Total as-built points: 19793

Total base points: 21378

PASS

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

PREPARED BY: _____

DATE: 5-24-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **NW Madeliene Terrace, Lake City, FL, 32025-** 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	1297.0	20.04	4678.5	Single, Clear	W	1.5	8.0	9.0	43.84	0.96	378.0	
				Single, Clear	W	1.5	8.0	40.0	43.84	0.96	1680.1	
				Single, Clear	W	1.5	8.0	30.0	43.84	0.96	1260.0	
				Single, Clear	N	1.5	8.0	2.7	21.73	0.97	56.7	
				Single, Clear	E	1.5	8.0	90.0	47.92	0.96	4129.7	
				As-Built Total:				**171.7**			**7504.5**	
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	816.3	1.50		1224.4	
Exterior	1028.3	1.70	1748.1	Frame, Wood, Exterior			13.0	212.0	1.50		318.0	
Base Total:	**1028.3**		**1748.1**	**As-Built Total:**				**1028.3**			**1542.4**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0	
Exterior	20.0	4.10	82.0	Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**40.0**		**114.0**	**As-Built Total:**				**40.0**			**114.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1297.0	1.73	2243.8	Under Attic			30.0	1297.0	1.73 X 1.00		2243.8	
Base Total:	**1297.0**		**2243.8**	**As-Built Total:**				**1297.0**			**2243.8**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	154.0(p)	-37.0	-5698.0	Slab-On-Grade Edge Insulation			0.0	154.0(p	-41.20		-6344.8	
Raised	0.0	0.00	0.0									
Base Total:			**-5698.0**	**As-Built Total:**				**154.0**			**-6344.8**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1297.0	10.21	13242.4					1297.0	10.21		13242.4	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **NW Madeliene Terrace, Lake City, FL, 32025-** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 16328.8			**Summer As-Built Points:**					**18302.3**
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 35000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			18302	1.00	(1.09 x 1.000 x 0.91)	0.310	0.950	5351.1
16328.8	**0.4266**	**6965.9**	**18302.3**	**1.00**	**0.992**	**0.310**	**0.950**	**5351.1**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **NW Madeliene Terrace, Lake City, FL, 32025-** 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	1297.0	12.74	2974.3	Single, Clear	W	1.5	8.0	9.0	28.84	1.01	262.4
				Single, Clear	W	1.5	8.0	40.0	28.84	1.01	1166.4
				Single, Clear	W	1.5	8.0	30.0	28.84	1.01	874.8
				Single, Clear	N	1.5	8.0	2.7	33.22	1.00	89.8
				Single, Clear	E	1.5	8.0	90.0	26.41	1.02	2424.0
				As-Built Total:				**171.7**			**4817.4**
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	816.3	3.40		2775.4
Exterior	1028.3	3.70	3804.7	Frame, Wood, Exterior			13.0	212.0	3.40		720.8
Base Total:	**1028.3**		**3804.7**	**As-Built Total:**				**1028.3**			**3496.2**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	20.0	8.00	160.0	Exterior Insulated				20.0	8.40		168.0
Exterior	20.0	8.40	168.0	Adjacent Insulated				20.0	8.00		160.0
Base Total:	**40.0**		**328.0**	**As-Built Total:**				**40.0**			**328.0**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	1297.0	2.05	2658.8	Under Attic			30.0	1297.0	2.05 X	1.00	2658.8
Base Total:	**1297.0**		**2658.8**	**As-Built Total:**				**1297.0**			**2658.8**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	154.0(p)	8.9	1370.6	Slab-On-Grade Edge Insulation			0.0	154.0(p	18.80		2895.2
Raised	0.0	0.00	0.0								
Base Total:			**1370.6**	**As-Built Total:**				**154.0**			**2895.2**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	1297.0	-0.59	-765.2					1297.0	-0.59		-765.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **NW Madeliene Terrace, Lake City, FL, 32025-** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**10371.2**	**Winter As-Built Points:**					**13430.5**
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 35000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			13430.5	1.000	(1.069 x 1.000 x 0.93)	0.501	0.950	6360.9
10371.2	**0.6274**	**6506.9**	**13430.5**	**1.00**	**0.994**	**0.501**	**0.950**	**6360.9**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **NW Madeliene Terrace, Lake City, FL, 32025-** PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
6966	**6507**	**7905**	**21378**	**5351**	**6361**	**8081**	**19793**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **NW Madeliene Terrace, Lake City, FL, 32025-** 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.5

The higher the score, the more efficient the home.

1297 Model LEFT, NW Madeliene Terrace, Lake City, FL, 32025-

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	1297 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	7a. (Sngle Default) 171.7 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 171.7 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=0.0, 154.0(p) ft	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=13.0, 816.3 ft²	
	b. Frame, Wood, Exterior	R=13.0, 212.0 ft²	
	c. N/A		
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=30.0, 1297.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts(Leak Free)		
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft	
	b. N/A		

12.	Cooling systems	
	a. Central Unit	Cap: 35.0 kBtu/hr SEER: 11.00
	b. N/A	
	c. N/A	
13.	Heating systems	
	a. Electric Heat Pump	Cap: 35.0 kBtu/hr HSPF: 6.80
	b. N/A	
	c. N/A	
14.	Hot water systems	
	a. Electric Resistance	Cap: 50.0 gallons EF: 0.90
	b. N/A	
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,

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: _____

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

**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.

Energy Code Compliance

Duct System Performance Report

Project Name:	Charles Timmons - Turner RD LEFT	Builder:	Charles Timmons
Address:	NW Madeliene Terrace	Permitting Office:	
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	1297 Model LEFT	Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	**Total House Duct System Leakage**	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ **(Q_n,tot)** ☐ **Receive credit if Q_n,tot≤ 0.03**	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ **(Q_n,out)** ☐ **Receive credit if Q_n,out≤ 0.03 AND Q_n,tot≤ 0.09**

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____

Printed Name: _____

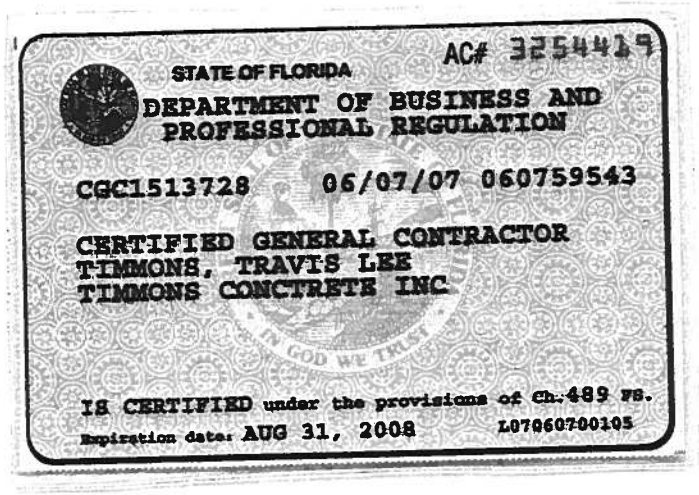
Florida Rater Certification #: _____

DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: http://energygauge.com/search.htp

BUILDING OFFICIAL: _____

DATE: _____



STATE OF FLORIDA

AC# 3254419

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CGC1513728 06/07/07 060759543

CERTIFIED GENERAL CONTRACTOR
TIMMONS, TRAVIS LEE
TIMMONS CONCTRETE INC

IS CERTIFIED under the provisions of Ch. 489 FS.

Expiration date: AUG 31, 2008 L07060700105

BAILEY BISHOP & LANE, INC.

Engineers *Surveyors* *Planners*

FLOOR ELEVATION CERTIFICATION # 26000

PROPERTY DESCRIPTION: ***237 NW Madeliene Terrace***
Lake City, FL 32055

OWNER: ***Travis Timmons***

PROJECT REQUIREMENTS: For protection against water damage, the minimum finish floor elevation of the proposed building shall be 12 inches above the highest existing ground elevation at the proposed building. The ground around the proposed building shall be graded to direct all runoff around and away from the proposed building.

Gregory G. Bailey, P.E.

Date: July 30, 2007

P. O. Box 3717	Lake City, FL 32056-3717	Ph. (386) 752-5640	FAX (386) 755-7771
P. O. Box 814	Port St. Joe, FL 32457	Ph. (850) 227-9449	FAX (850) 227-9449
1835 Fiddler Court	Tallahassee, FL 32308	Ph. (850) 894-1200	FAX (850) 894-0200

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T7K8228Z0423074733

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-164--Charles Timmons Madeliene Terrace -- , **
Truss Count:	12
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.36.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 05/23/2007

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

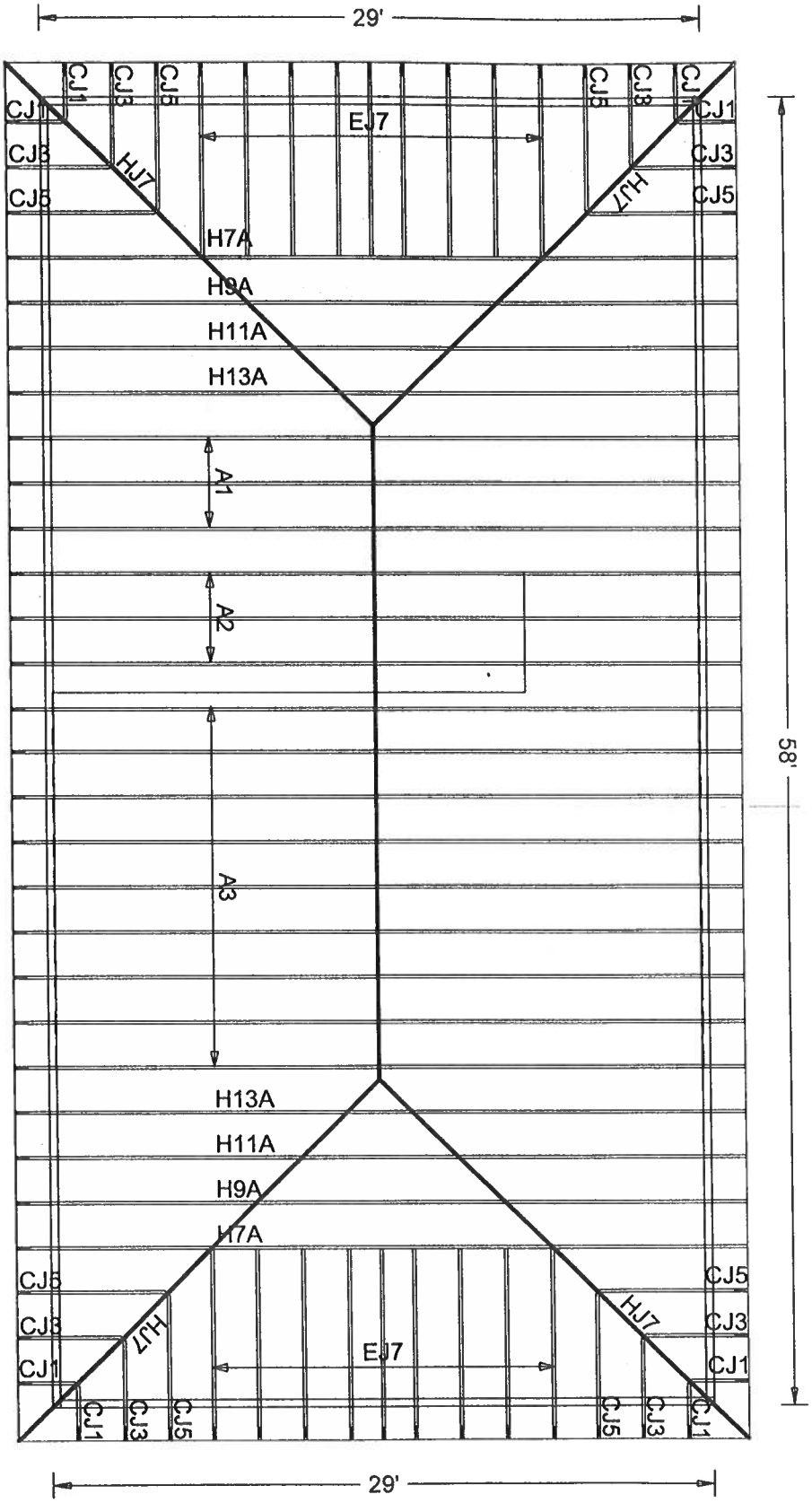
Notes:

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

Details: -

#	Ref Description	Drawing#	Date
1	56304--H9A	07143028	05/23/07
2	56305--H11A	07143029	05/23/07
3	56306--H13A	07143030	05/23/07
4	56307--A1	07143031	05/23/07
5	56308--A2	07143032	05/23/07
6	56309--A3	07143033	05/23/07
7	56310--H7A	07143013	05/23/07
8	56311--CJ1	07143026	05/23/07
9	56312--HJ7	07143034	05/23/07
10	56313--CJ3	07143025	05/23/07
11	56314--CJ5	07143035	05/23/07
12	56315--EJ7	07143027	05/23/07

#7-164 Charles Timmons - Madeliene Terrace
05/22/07



Roof Plane Sheathing Area = 2182 sq. ft
Gable Sheathing Area = 0 sq. ft
Total Sheathing Area = 2182 sq. ft
Fascia Material = 186 linear ft
Valley Flashing Material = 0 linear ft
Ridge Cap Material = 29 linear ft
Hip Ridge Material = 96 linear ft

JOB DESCRIPTION:: Charles Timmons
/: Madeliene Terrace

JOB NO: 7-164

PAGE NO: 1 OF 1

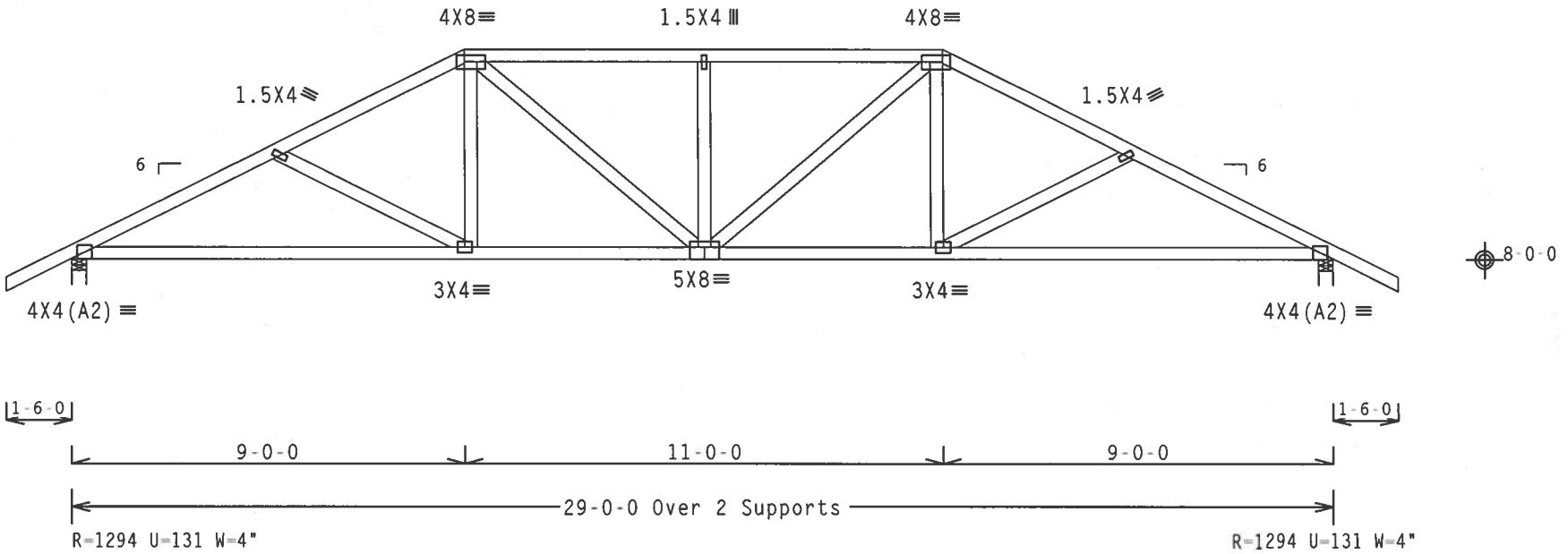
(7-164--Charles Timmons Madeliene Terrace -- , ** - H9A)

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.10 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE

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

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 '07

TC LL	20.0 PSF	REF	R8228- 56304
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143028
BC LL	0.0 PSF	HC-ENG	SSB/WHK *
TOT.LD.	40.0 PSF	SEQN-	22845
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04

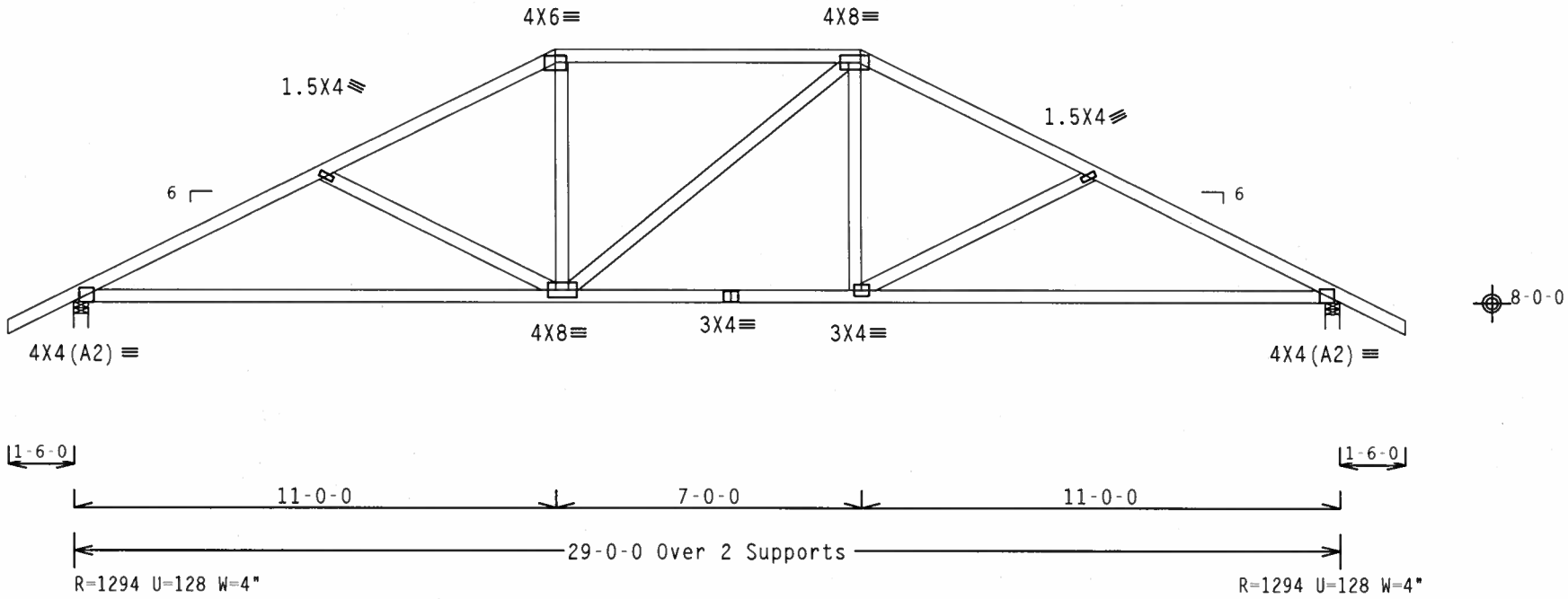
(7 164 Charles Timmons Madeliene Terrace . ** H11A)

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

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

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

TC LL	20.0 PSF	REF R8228- 56305
TC DL	10.0 PSF	DATE 05/23/07
BC DL	10.0 PSF	DRW HCUSR8228 07143029
BC LL	0.0 PSF	HC-ENG SSB/WHK *
TOT.LD.	40.0 PSF	SEQN- 22850
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T7K8228Z04

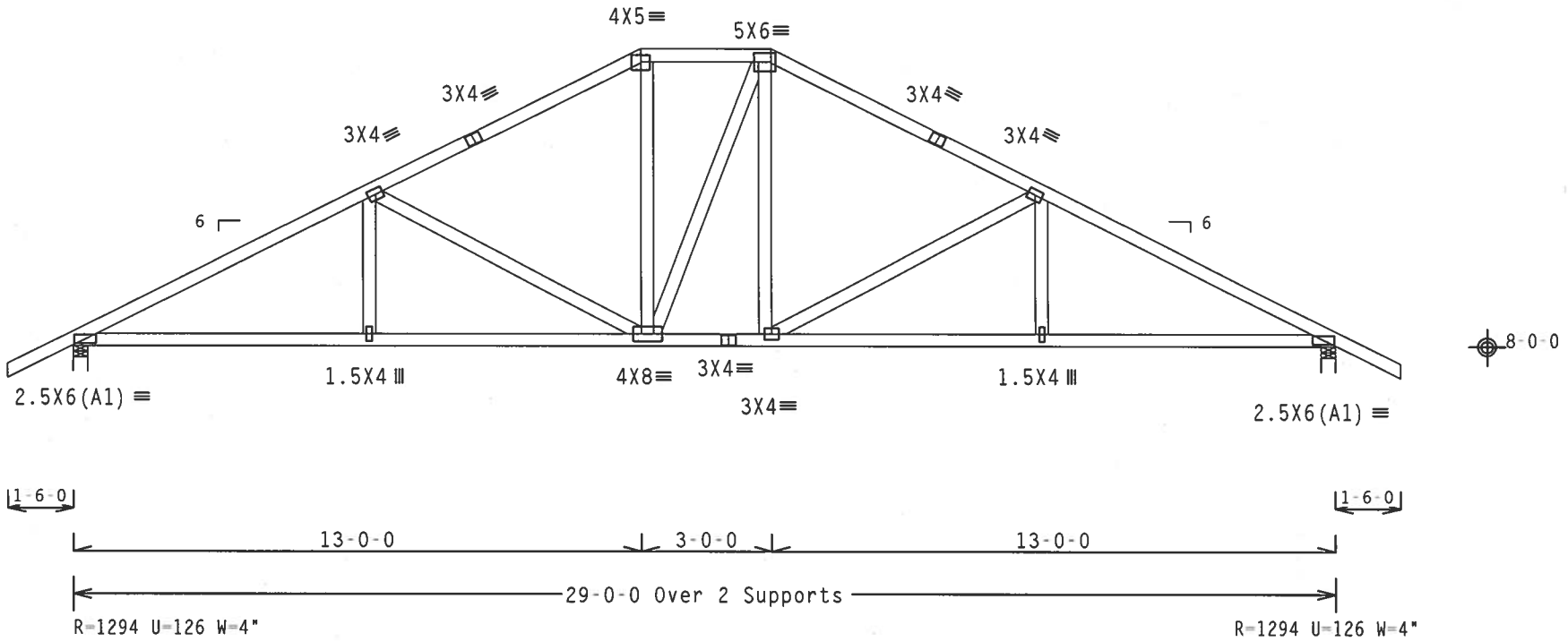
(7-164--Charles Timmons Madeliene Terrace -- , ** - H13A)

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

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

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

May

TC LL	20.0 PSF	REF	R8228- 56306
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143030
BC LL	0.0 PSF	HC-ENG	SSB/WHK *
TOT.LD.	40.0 PSF	SEQN-	22856
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04

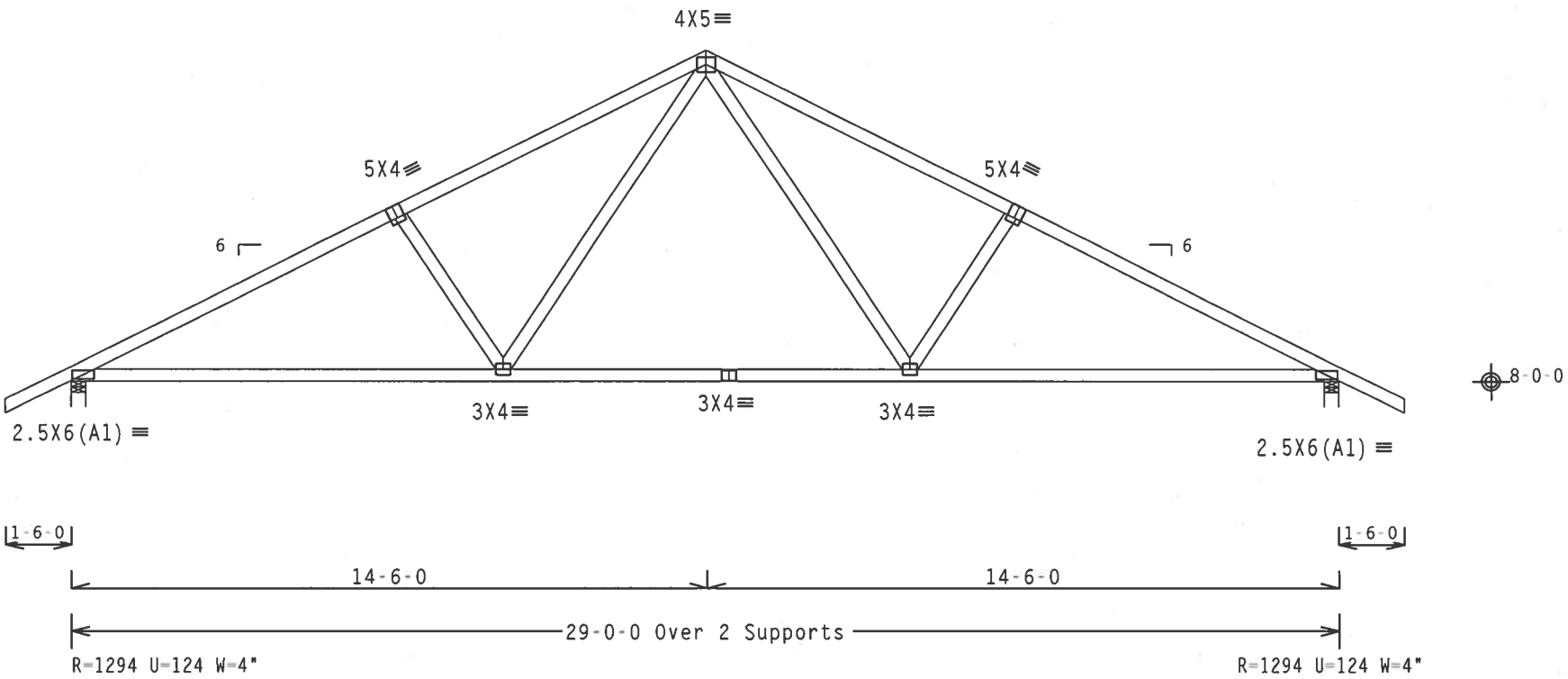
(7-164--Charles Timmons Madeliene Terrace -- , ** - A1)

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.042

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

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

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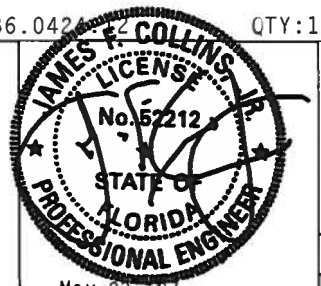
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H.SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 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.



May 23 07

TC LL	20.0 PSF	REF	R8228- 56307
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143031
BC LL	0.0 PSF		HC-ENG SSB/WHK *
TOT.LD.	40.0 PSF	SEQN-	22868
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04

(7-164--Charles Timmons Madeliene Terrace -- , ** - A2)

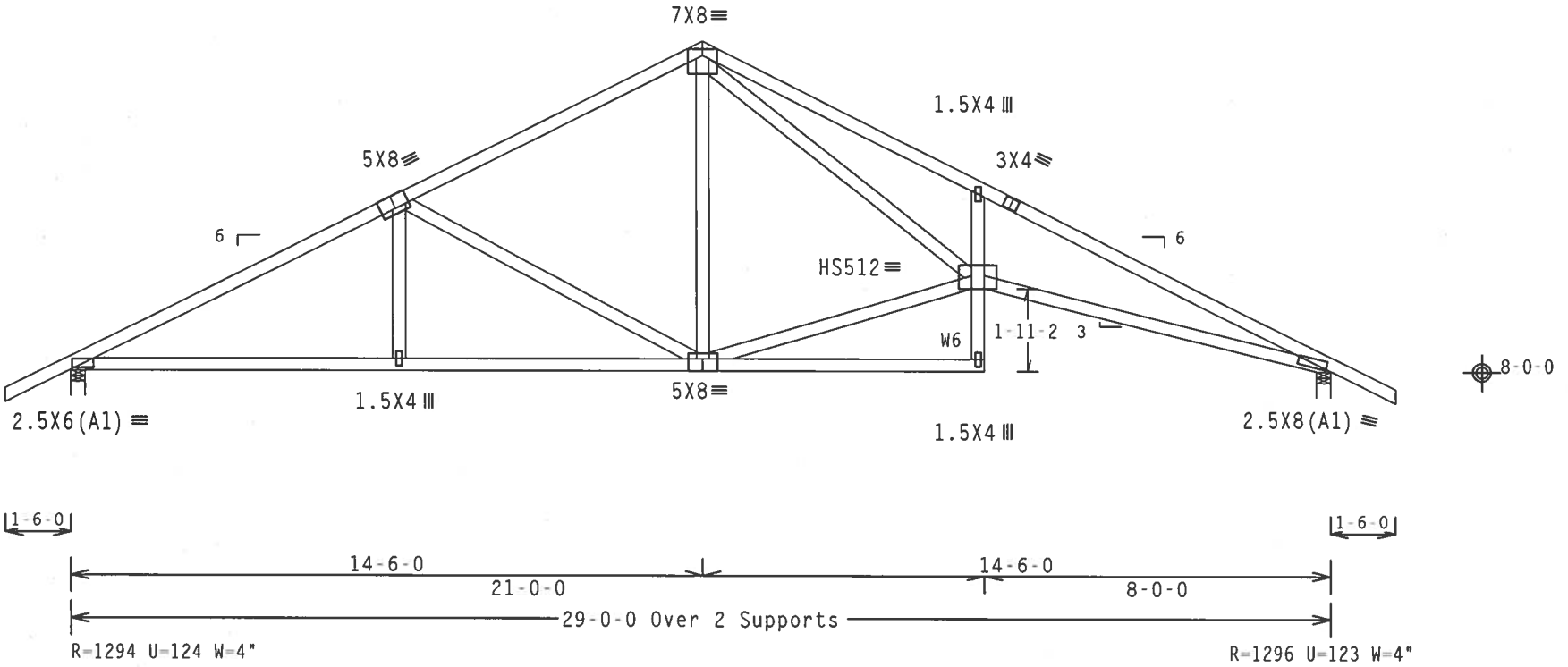
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

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

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

Calculated horizontal deflection is 0.13" due to live load and 0.20" due to dead load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE

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

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

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JAMES F. COLLINS, JR. LICENSED No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 07

TC LL	20.0 PSF	REF	R8228- 56308
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143032
BC LL	0.0 PSF		HC-ENG SSB/WHK *
TOT.LD.	40.0 PSF	SEQN-	22876
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04

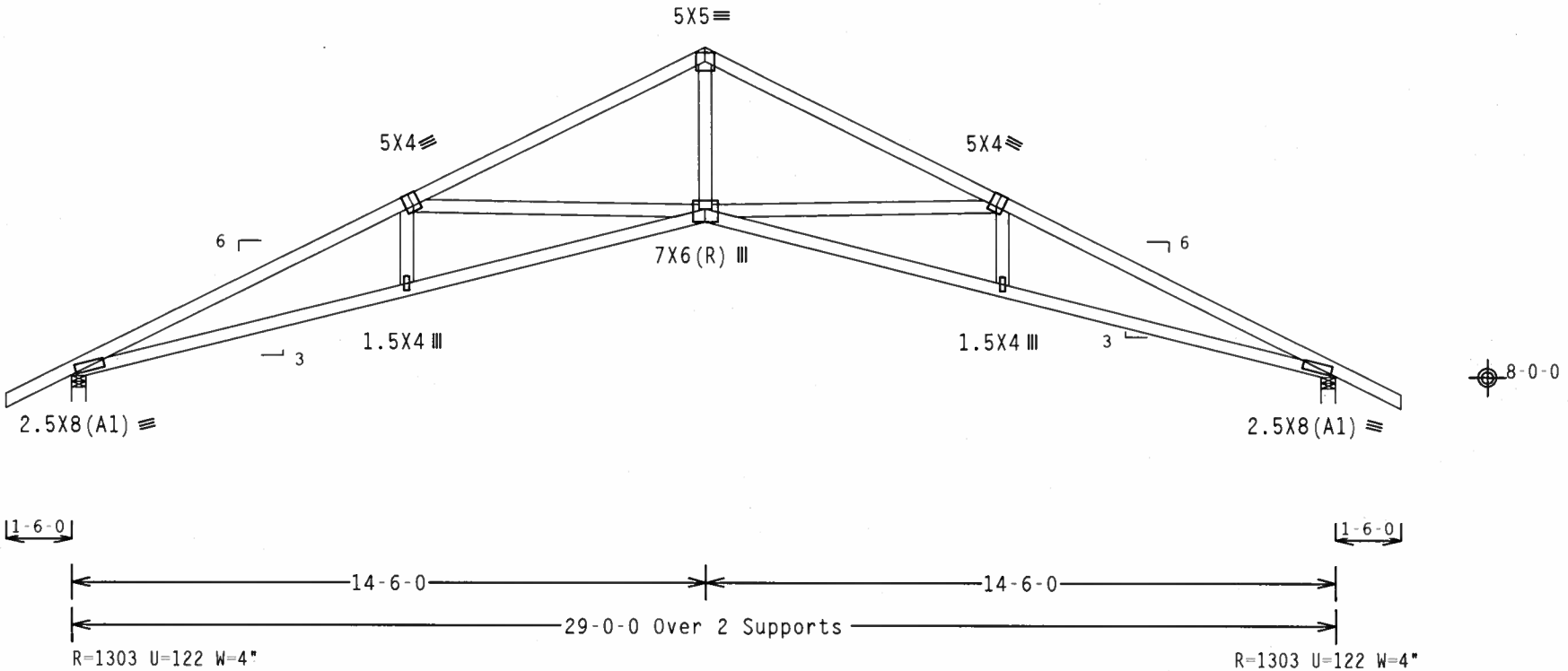
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

Calculated horizontal deflection is 0.21" due to live load and 0.32" due to dead load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #6673

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JAMES F. COLLINS, JR. LICENSE No. 52242 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 07

TC LL	20.0 PSF	REF R8228- 56309
TC DL	10.0 PSF	DATE 05/23/07
BC DL	10.0 PSF	DRW HCUSR8228 07143033
BC LL	0.0 PSF	HC-ENG SSB/WHK *
TOT.LD.	40.0 PSF	SEQN- 22887
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T7K8228Z04

(7-164--Charles Timmons Madeliene Terrace -- , ** - H7A)

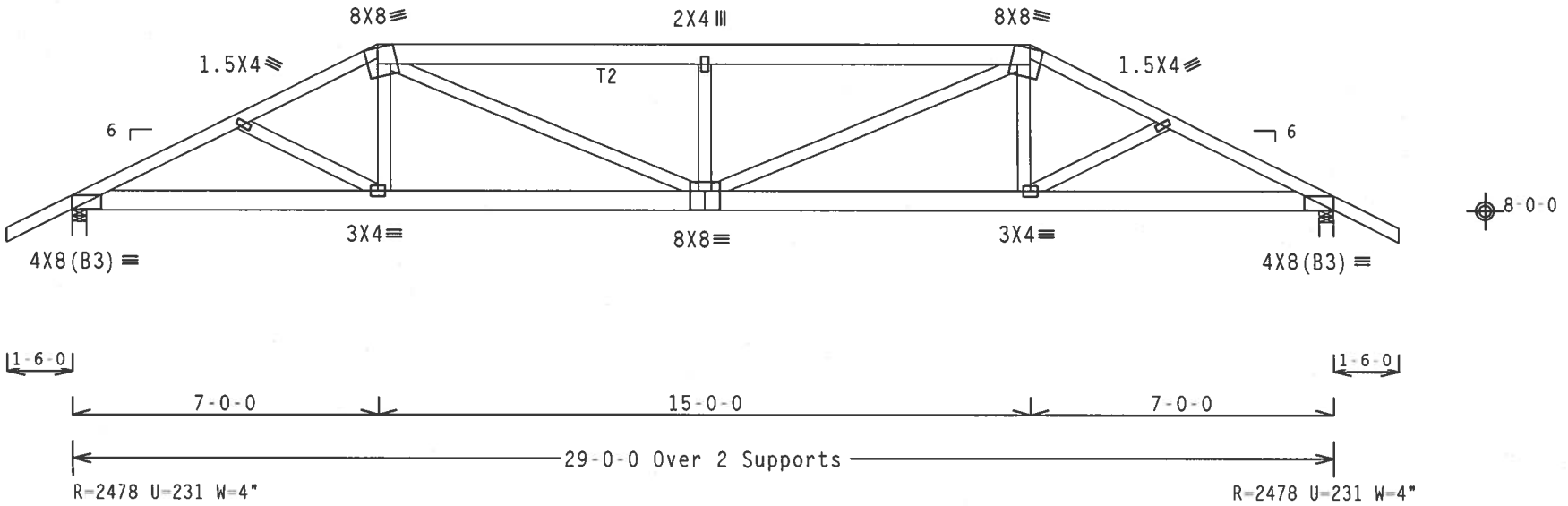
Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 07

TC LL	20.0 PSF	REF	R8228- 56310
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143013
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT.LD.	40.0 PSF	SEQN-	22908
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1T7K8228Z04

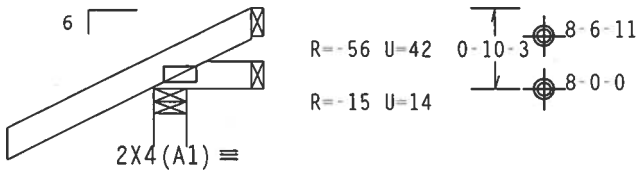
(7-164--Charles Timmons Madeliene Terrace -- , ** - CJ1)

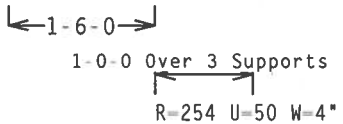
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

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





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

ALPINE

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

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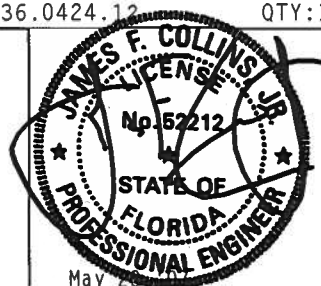


May 2[illegible]

TC LL	20.0 PSF	REF	R8228- 56311
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143026
BC LL	0.0 PSF		HC-ENG SSB/WHK
TOT.LD.	40.0 PSF	SEQN-	22783
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04

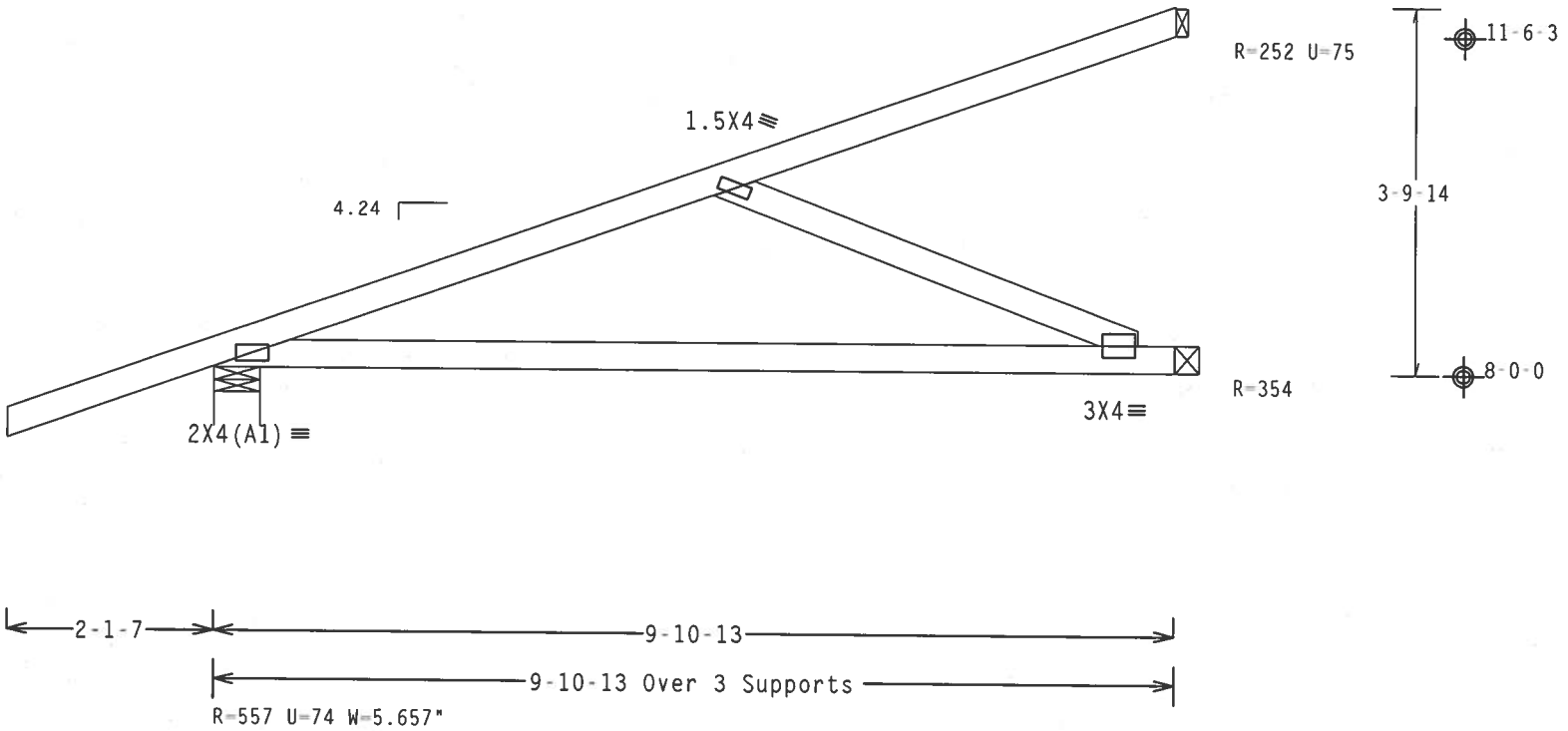
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

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

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JAMES F. COLLINS JR. LICENSE No. 52242 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 2[illegible]

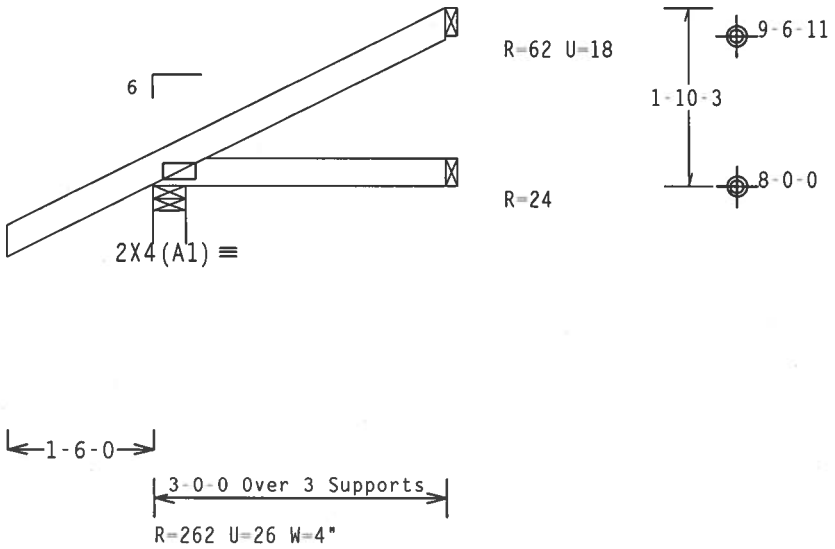
TC LL	20.0 PSF	REF R8228- 56312
TC DL	10.0 PSF	DATE 05/23/07
BC DL	10.0 PSF	DRW HCUSR8228 07143034
BC LL	0.0 PSF	HC-ENG SSB/WHK
TOT.LD.	40.0 PSF	SEQN- 22806
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1T7K8228704

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

ALPINE

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

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

May 23 07

TC LL	20.0 PSF	REF R8228- 56313
TC DL	10.0 PSF	DATE 05/23/07
BC DL	10.0 PSF	DRW HCUSR8228 07143025
BC LL	0.0 PSF	HC-ENG SSB/WHK *
TOT.LD.	40.0 PSF	SEQN- 22788
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T7K8228Z04

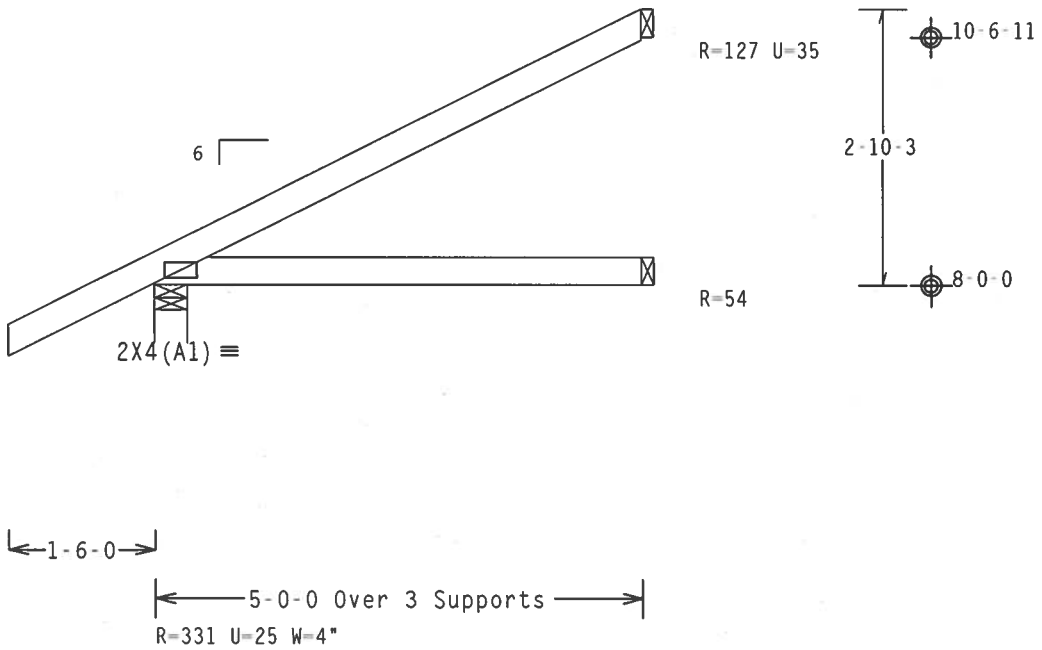
(7-164--Charles Timmons Madeliene Terrace -- , ** - CJ5)

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

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

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

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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 07

TC LL	20.0 PSF	REF	R8228- 56314
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143035
BC LL	0.0 PSF	HC-ENG	SSB/WHK *
TOT.LD.	40.0 PSF	SEQN-	22792
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04

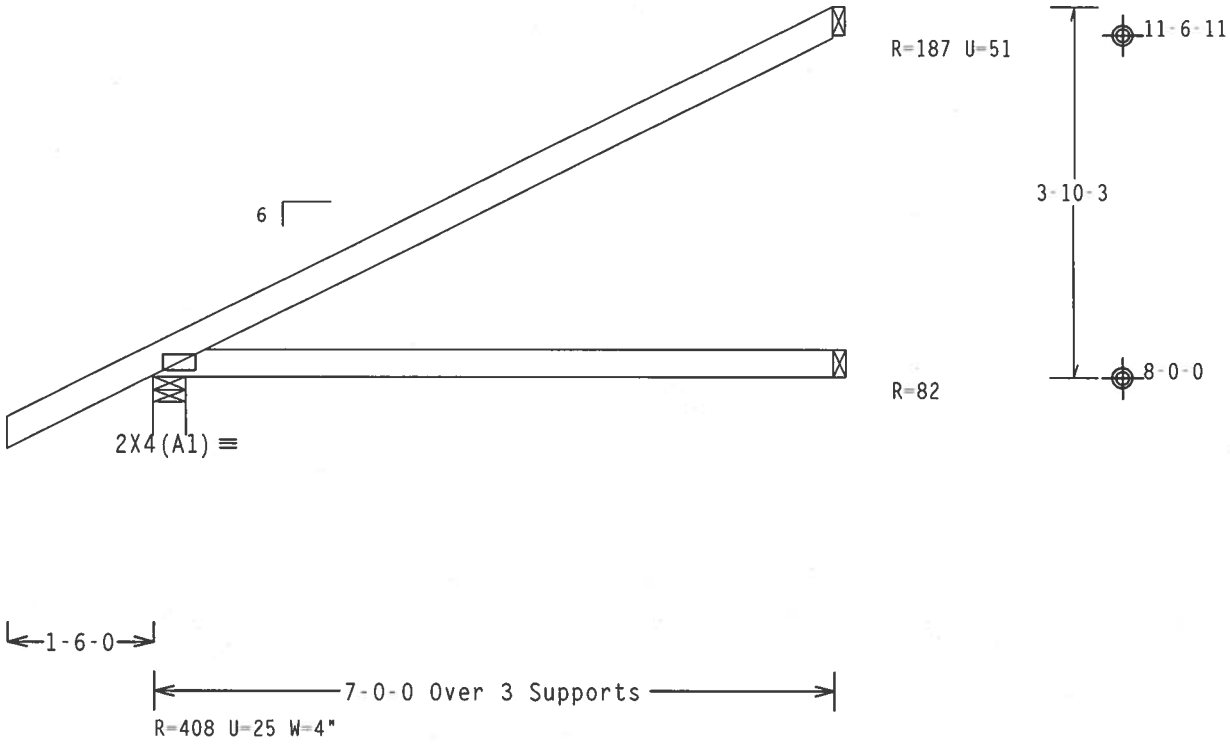
(7-164--Charles Timmons Madeliene Terrace -- , ** - EJ7)

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.1 QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 647

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23, 2007

TC LL	20.0 PSF	REF	R8228- 56315
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143027
BC LL	0.0 PSF	HC-ENG	SSB/WHK *
TOT.LD.	40.0 PSF	SEQN-	22796
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04

Residential System Sizing Calculation

Summary

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
Climate: North

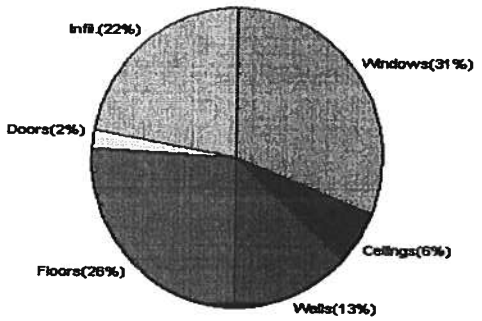
5/24/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**25819**	**Btuh**	**Total cooling load calculation**	**32336**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	135.6	35000	Sensible (SHR = 0.75)	98.3	26250
Heat Pump + Auxiliary(0.0kW)	135.6	35000	Latent	155.6	8750
			Total (Electric Heat Pump)	108.2	35000

WINTER CALCULATIONS

Winter Heating Load (for 1297 sqft)

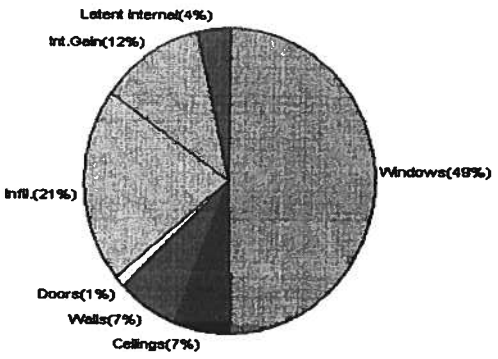
Load component			Load	
Window total	172	sqft	8068	Btuh
Wall total	1028	sqft	3377	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	1297	sqft	1528	Btuh
Floor total	154	sqft	6724	Btuh
Infiltration	138	cfm	5604	Btuh
Duct loss			0	Btuh
Subtotal			**25819**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**25819**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1297 sqft)

Load component			Load	
Window total	172	sqft	15995	Btuh
Wall total	1028	sqft	2145	Btuh
Door total	40	sqft	392	Btuh
Ceiling total	1297	sqft	2148	Btuh
Floor total			0	Btuh
Infiltration	121	cfm	2253	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**26712**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4424	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**5624**	**Btuh**
TOTAL HEAT GAIN			**32336**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 5-24-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
Climate: North

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

5/24/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
2	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
4	1, Clear, Metal, 1.27	N	2.7	47.0	127 Btuh
5	1, Clear, Metal, 1.27	E	90.0	47.0	4229 Btuh
	Window Total		172(sqft)		8068 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	816	3.3	2681 Btuh
2	Frame - Wood - Ext(0.09)	13.0	212	3.3	696 Btuh
	Wall Total		1028		3377 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1297	1.2	1528 Btuh
	Ceiling Total		1297		1528Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	154.0 ft(p)	43.7	6724 Btuh
	Floor Total		154		6724 Btuh
			Zone Envelope Subtotal:		20215 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	10376	138.3	5604 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**25819 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	25819 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25819 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
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

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
Climate: North

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

5/24/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
2	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
4	1, Clear, Metal, 1.27	N	2.7	47.0	127 Btuh
5	1, Clear, Metal, 1.27	E	90.0	47.0	4229 Btuh
	Window Total		172(sqft)		8068 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	816	3.3	2681 Btuh
2	Frame - Wood - Ext(0.09)	13.0	212	3.3	696 Btuh
	Wall Total		1028		3377 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1297	1.2	1528 Btuh
	Ceiling Total		1297		1528Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	154.0 ft(p)	43.7	6724 Btuh
	Floor Total		154		6724 Btuh
			Zone Envelope Subtotal:		20215 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	10376	138.3	5604 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**25819 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	25819 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	25819 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
Climate: North

5/24/2007

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

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/24/2007

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	9.0	0.0	9.0	37	94	846 Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	40.0	0.0	40.0	37	94	3762 Btuh
3	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821 Btuh
4	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	2.7	0.0	2.7	37	37	101 Btuh
5	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	90.0	0.0	90.0	37	94	8464 Btuh
	Window Total				172 (sqft)					15995 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	816.3	2.1	1703 Btuh
2	Frame - Wood - Ext	13.0/0.09	212.0	2.1	442 Btuh
	Wall Total		1028 (sqft)		2145 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	40 (sqft)		392 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1297.0	1.7	2148 Btuh
	Ceiling Total		1297 (sqft)		2148 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	154 (ft(p))	0.0	0 Btuh
	Floor Total		154.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	20680 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	10376	121.1	2253 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	2400	3780 Btuh

Duct load		
	Proposed leak free, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh

	Sensible Zone Load	**26712 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
Climate: North

5/24/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**26712 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**26712 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**26712 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4424 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5624 Btuh**
	TOTAL GAIN	**32336 Btuh**

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

1297 Model LEFT
NW Madeliene Terrace
Lake City, FL 32025-

Project Title:
Charles Timmons - Turner RD LEFT

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/24/2007

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	9.0	0.0	9.0	37	94	846 Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	40.0	0.0	40.0	37	94	3762 Btuh
3	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821 Btuh
4	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	2.7	0.0	2.7	37	37	101 Btuh
5	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	90.0	0.0	90.0	37	94	8464 Btuh
	Window Total				172 (sqft)					15995 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load
1	Frame - Wood - Ext		13.0/0.09		816.3			2.1		1703 Btuh
2	Frame - Wood - Ext		13.0/0.09		212.0			2.1		442 Btuh
	Wall Total				1028 (sqft)					2145 Btuh
Doors	Type				Area (sqft)			HTM		Load
1	Insulated - Adjacent				20.0			9.8		196 Btuh
2	Insulated - Exterior				20.0			9.8		196 Btuh
	Door Total				40 (sqft)					392 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load
1	Vented Attic/DarkShingle		30.0		1297.0			1.7		2148 Btuh
	Ceiling Total				1297 (sqft)					2148 Btuh
Floors	Type		R-Value		Size			HTM		Load
1	Slab On Grade		0.0		154 (ft(p))			0.0		0 Btuh
	Floor Total				154.0 (sqft)					0 Btuh
								Zone Envelope Subtotal:		20680 Btuh
Infiltration	Type		ACH		Volume(cuft)			CFM=		Load
	SensibleNatural		0.70		10376			121.1		2253 Btuh
Internal gain			Occupants		Btuh/occupant			Appliance		Load
			6	X	230	+		2400		3780 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh
								Sensible Zone Load		**26712 Btuh**

wrightsoft

Duct System Summary
Entire House
Touchstone Heating and Air, Inc.

Job:
Date: Jun 01, 2007
By:

P.O. Box 327, Lake Butler, Fl 32054 Phone: 386-496-3467 Fax: 386-496-3147

Project Information

For: Charles Timmons
237 NW Carol PL, Lake City, FL 32055

	Heating	Cooling
External static pressure	0.00 in H2O	0.00 in H2O
Pressure losses	0.15 in H2O	0.15 in H2O
Available static pressure	-0.1 in H2O	-0.1 in H2O
Supply / return available pressure	-0.07 / -0.07 in H2O	-0.07 / -0.07 in H2O
Lowest friction rate	***0.880*** in/100ft	***0.880*** in/100ft
Actual air flow	760 cfm	760 cfm
Total effective length (TEL)	0 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BR 2	h	3398	126	96	0.880	6	0x0	VIFx	0.0	0.0	
Bath 2	c	2048	40	116	0.880	6	0x0	VIFx	0.0	0.0	
BR 3	h	3398	126	100	0.880	6	0x0	VIFx	0.0	0.0	
Great Room	c	3684	169	208	0.880	8	0x0	VIFx	0.0	0.0	
Kitchen	h	1689	63	52	0.880	5	0x0	VIFx	0.0	0.0	
WIC	c	102	2	6	0.880	4	0x0	VIFx	0.0	0.0	
Master BR	c	1733	95	98	0.880	6	0x0	VIFx	0.0	0.0	
Bath 1	c	203	3	11	0.880	4	0x0	VIFx	0.0	0.0	
Utility	h	930	34	24	0.880	4	0x0	VIFx	0.0	0.0	
Storage	h	2229	83	49	0.880	5	0x0	VIFx	0.0	0.0	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	760	760	0.0	0.880	544	16	0x 0		VIFx	

Bold/Italic values have been manually overridden

Entire House	1298	20520	13471	760	760
Other equip loads		795	386		
Equip. @ 0.97 RSM			13441		
Latent cooling			2613		
TOTALS	1298	21315	16054	760	760

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

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 www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242.1 +
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS	Alenco.	1111 / FI214.10	
1. Single hung			FL. 6079.7 +
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 Hardie			
2. Soffits			FL. 889 -122
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			Shingles Hip $
1. Asphalt Shingles	ELK	Shingles	728.4, 728.5, 728.6
2. Underlayments			
3. Roofing Fasteners			30RF → FL. 1614.3
4. Non-structural Metal Rf	Wheeling Corrugating Co.	Century Brass	15RF → FL. 1814.1
5. Built-Up Roofing			FI.5190 — X
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Load Short Form
Entire House
Touchstone Heating and Air, Inc.

Job: Timmons 255
Date: Jun 01, 2007
By:

P.O. Box 327, Lake Butler, Fl 32054 Phone: 386-496-3467 Fax: 386-496-3147

Project Information

For: Charles Timmons
255 NW Carol PL, Lake City, FL 32055

Design Information

	Htg	Clg		
Outside db (°F)	33	92	Infiltration Method	Simplified
Inside db (°F)	68	75	Construction quality	Average
Design TD (°F)	35	17	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make Trane
Trade XB13 Weathertron
Model 2TWB3024A1

Efficiency	8 HSPF	
Heating input		
Heating output	20000	Btuh @ 47°F
Temperature rise	24	°F
Actual air flow	760	cfm
Air flow factor	0.037	cfm/Btuh
Static pressure	0.00	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Trane
Trade XB13 Weathertron
Cond 2TWB3024A1
Coil TXC031S3+*UY080R9V3

Efficiency	13.3 SEER	
Sensible cooling	15960	Btuh
Latent cooling	6840	Btuh
Total cooling	22800	Btuh
Actual air flow	760	cfm
Air flow factor	0.056	cfm/Btuh
Static pressure	0.00	in H2O
Load sensible heat ratio	0.84	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BR 2	148	3398	1707	126	96
Bath 2	54	1077	2048	40	116
BR 3	148	3398	1775	126	100
Great Room	444	5103	3684	189	208
Kitchen	96	1689	930	63	52
WIC	25	47	102	2	6
Master BR	195	2555	1733	95	98
Bath 1	50	94	203	3	11
Utility	54	930	427	34	24
Storage	84	2229	861	83	49

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

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

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

Floor Plan including:

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

Foundation Plan including:

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

Roof System:

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

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

Wall Sections including:

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

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

☑ ☐ b) Wood frame wall

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

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

Floor Framing System:

☑ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☑ ☐ b) Floor joist size and spacing

☑ ☐ c) Girder size and spacing

☑ ☐ d) Attachment of joist to girder

☑ ☐ e) Wind load requirements where applicable

☑ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☑ ☐ b) Manual J sizing equipment or equivalent computation

☑ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☑ ☐ **Disclosure Statement for Owner Builders**

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

☑ ☐ **Private Potable Water**

PRODUCT APPROVAL SPECIFICATION SHEET

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

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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 28-3S-16-02366-012 **Building permit No.** 000026000

Use Classification SFD,UTILITY **Fire:** 0.00

Permit Holder TRAVIS TIMMONS **Waste:**

Owner of Building TRAVIS TIMMONS **Total:** 0.00

Location: 237 NW MADELIENE TERR, LAKE CITY, FL 32055

Date: 10/15/2007

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

tice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

: July 26 07

26000

37 NW Madelien'e Ter

(Address of Treatment or Lot/Block of Treatment)

Lake City

City

Florida Pest Control & Chemical Co.

www.flapest.com

duct to be used: Bora-Care Termiticide (Wood Treatment)

emical to be used: 23% Disodium Octaborate Tetrahydrate

lication will be performed onto structural wood at dried-in stage of construction.
a-Care Termiticide application shall be applied according to EPA registered label
ctions as stated in the Florida Building Code Section 1816.1

ormation to be provided to local building code offices prior to concrete
ndation installation.)

6/05 ©

Notice of Treatment 12694

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)
Address: 536 SE Baya Ave
City LC Phone 752 1703

Site Location: Subdivision
Lot # Block# Permit # 26000
Address 237 NW Madeline Terrace

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

Type treatment: ☐ Soil ☑ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	1682	527	3

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

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

8/30/07 Date | 0930 Time | Fess Gunny Print Technician's Name

Remarks: Building Code states Footer must be clean after Pour

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©