

DATE 07/09/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

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 10.00 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.

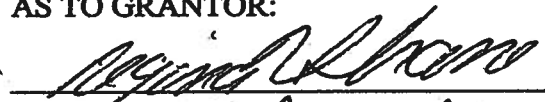
**To Have and to Hold**, the same in fee simple forever.

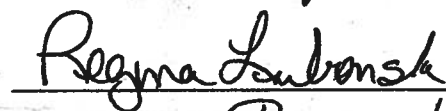
**And** the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the 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:

  
Witness Printed Name Regina R. Shonk

  
Witness Printed Name REGINA LUBONSKI

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

State of FLORIDA:  
County of Brevard:

For Office Use Only Application # 0706-51 Date Received 6/14 By TW Permit # 26000  
Application Approved by - Zoning Official BLK Date 09.07.07 Plans Examiner OKJTH Date 6-23-07  
Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES-Low Dev.  
Comments NOC TO PROOF 7 LICENSE NEEDED TW

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 GENICA, L.C., 41 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 28-35-16-02366-012 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, RIGHT CORNER OF CAROL + MAD.  
Type of Construction FRAME/BRICK VENEER Number of Existing Dwellings on Property 0  
Total Acreage 1 Lot Size 1/2 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 COMMENCEMENT 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 C6C1513728  
Competency Card Number \_\_\_\_\_  
NOTARY STAMP/SEAL

Regina G Timmons  
Notary Signature  
My Commission DD228678  
Expires October 29, 2007

TW 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 in accordance 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 28-35-16-02366-012

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

Inst: 200712013704 Date: 6/21/2007 Time: 8:57 AM

Address N/A

19 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, 2007.

Regina G Timmons  
Signature of Notary

NOTARY STAMP/SEAL



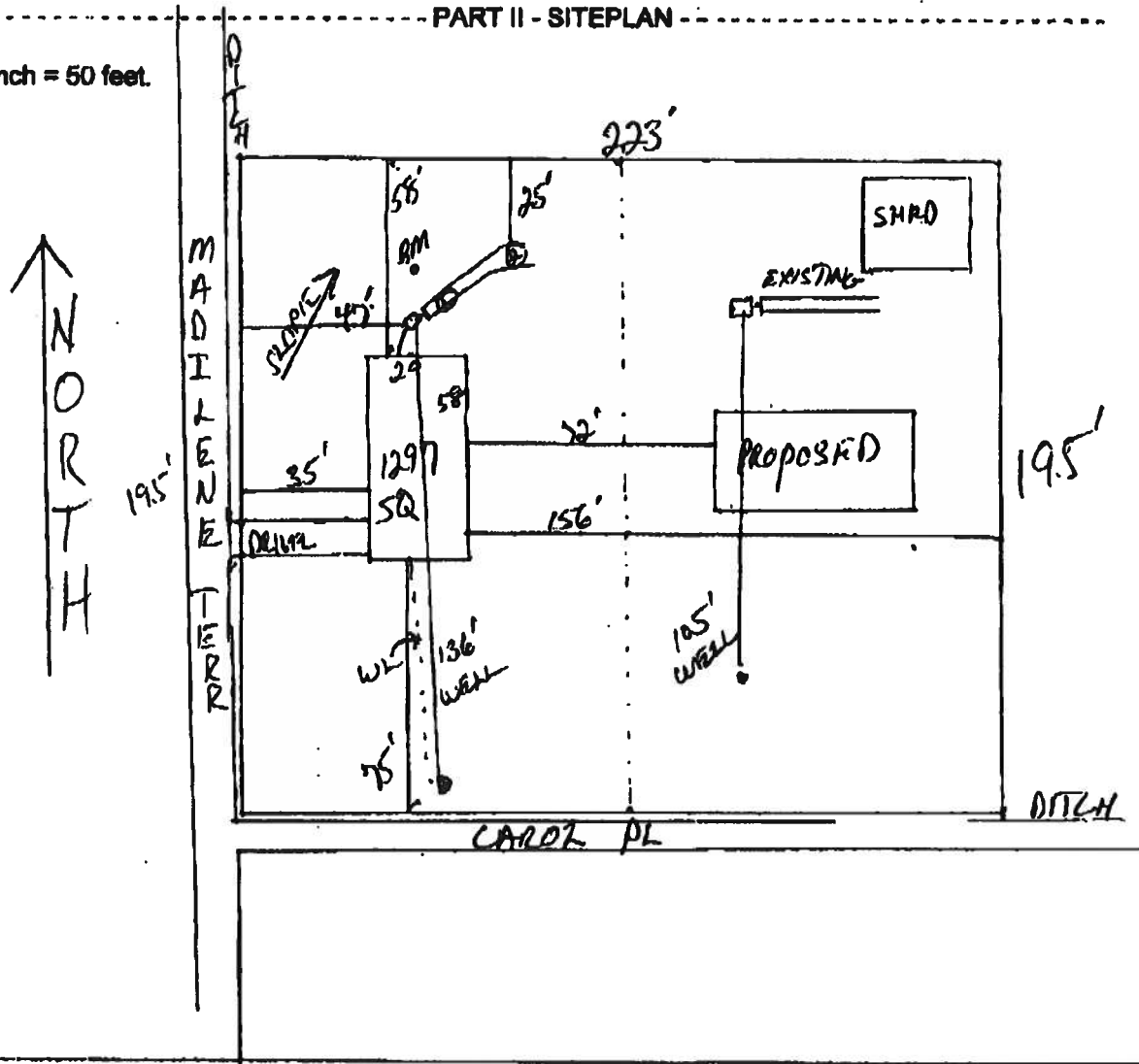
Regina G Timmons  
My Commission DD228678  
Expires October 29, 2007

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

Permit Application Number 02-0454

## PART II - SITEPLAN

**Scale: 1 inch = 50 feet.**



**Notes:**

**Site Plan submitted by:**

**Plan Approved**

**Not Approved**

**By** \_\_\_\_\_

Columbi a

**MASTER CONTRACTOR**

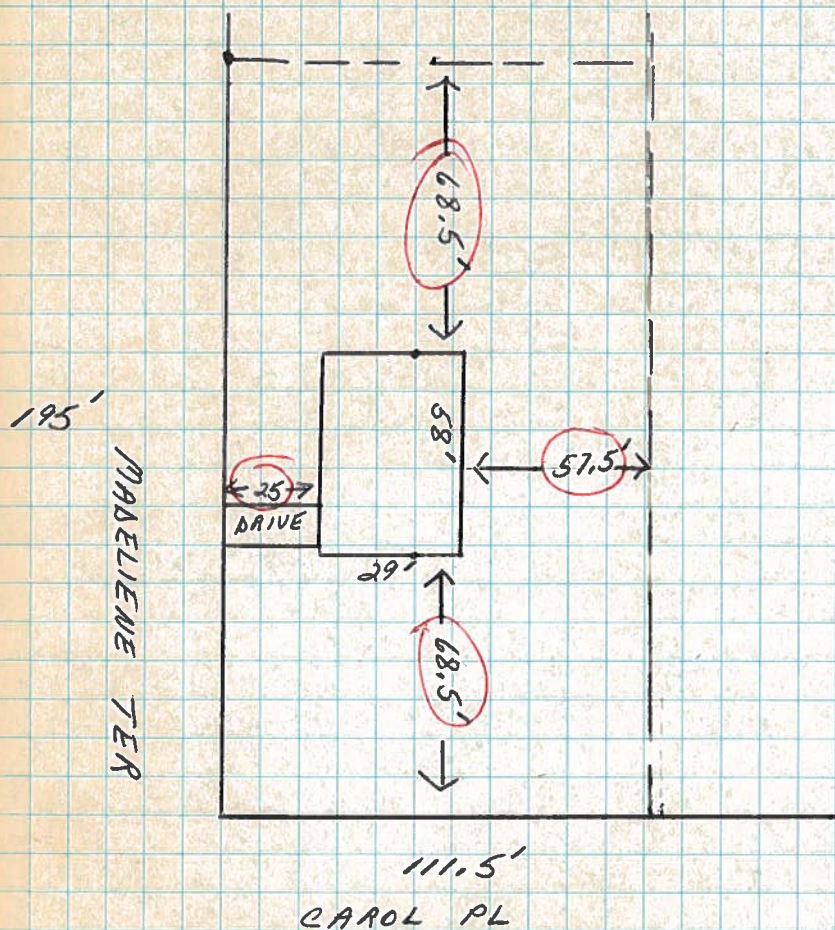
Date 6/7/07

**County Health Department**

**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: rum\_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.**

Approved Address

MAY 31 2007

911Addressing/GIS Dept

776

# **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 ,

A handwritten signature in cursive script, appearing to read 'Donald D. Hall'.

Donald D. Hall



# 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**  
Address: **NW Madeliene Terrace**  
City, State: **Lake City, FL 32025-**  
Owner: **1297 Model LEFT**  
Climate Zone: **North**

Builder: **Charles Timmons**  
Permitting Office: **LOW MBIX**  
Permit Number:  
Jurisdiction Number: **2210000**

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

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: *[Signature]*

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: \_\_\_\_\_



<sup>1</sup> 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							
<b>GLASS TYPES</b>											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Omt 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
				<b>As-Built Total:</b>				<b>171.7</b>		<b>7504.5</b>	
<b>WALL TYPES</b>				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
<b>Base Total:</b>				<b>1028.3</b>		<b>1748.1</b>		<b>As-Built Total:</b>		<b>1028.3</b>	
										<b>1542.4</b>	
<b>DOOR TYPES</b>				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
<b>Base Total:</b>				<b>40.0</b>		<b>114.0</b>		<b>As-Built Total:</b>		<b>40.0</b>	
										<b>114.0</b>	
<b>CEILING TYPES</b>				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
<b>Base Total:</b>				<b>1297.0</b>		<b>2243.8</b>		<b>As-Built Total:</b>		<b>1297.0</b>	
										<b>2243.8</b>	
<b>FLOOR TYPES</b>				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								
<b>Base Total:</b>				<b>-5698.0</b>		<b>As-Built Total:</b>		<b>154.0</b>		<b>-6344.8</b>	
<b>INFILTRATION</b>				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 #:

<b>BASE</b>				<b>AS-BUILT</b>						
<b>Summer Base Points: 16328.8</b>				<b>Summer As-Built Points: 18302.3</b>						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
16328.8	0.4266		6965.9	<small>(sys 1: Central Unit 35000 btuh , SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Int(AH),R8.0(INS)</small> 18302      1.00    (1.09 x 1.000 x 0.91)    0.310      0.950      5351.1 <b>18302.3      1.00      0.992      0.310      0.950      5351.1</b>						



**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 X BWPM = Points Floor Area				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:				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:				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:				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:				As-Built Total:				154.0		2895.2	
INFILTRATION Area X BWPM = Points						Area X WPM = Points					
								1297.0		-0.59 -765.2	

**WINTER CALCULATIONS****Residential Whole Building Performance Method A - Details**ADDRESS: **NW Madeliene Terrace, Lake City, FL, 32025-**

PERMIT #:

<b>BASE</b>			<b>AS-BUILT</b>						
<b>Winter Base Points: 10371.2</b>			<b>Winter As-Built Points: 13430.5</b>						
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	
10371.2	0.6274	6506.9	(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 <b>13430.5 1.00 0.994 0.501 0.950 6360.9</b>						

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	Multiplier X Credit = Total Multiplier
3		2635.00		7905.0	50.0	0.90	3	1.00	2693.56
					As-Built Total:				8080.7

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

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	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 35.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 11.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	No	___		___
6. Conditioned floor area (ft <sup>2</sup> )	1297 ft <sup>2</sup>	___	c. N/A	___
7. Glass type <sup>1</sup> 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(Sngle Default)	171.7 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 35.0 kBtu/hr
b. SHGC:		___		HSPF: 6.80
(or Clear or Tint DEFAULT)	7b. (Clear)	171.7 ft <sup>2</sup>	b. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 154.0(p) ft	___	c. N/A	___
b. N/A	___	___		___
c. N/A	___	___	14. Hot water systems	
9. Wall types		___	a. Electric Resistance	Cap: 50.0 gallons
a. Frame, Wood, Exterior	R=13.0, 816.3 ft <sup>2</sup>	___		EF: 0.90
b. Frame, Wood, Exterior	R=13.0, 212.0 ft <sup>2</sup>	___	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, 1297.0 ft <sup>2</sup>	___		PT, ___
b. N/A	___	___	15. HVAC credits	
c. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
11. Ducts(Leak Free)		___	HF-Whole house fan,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft	___	PT-Programmable Thermostat,	
b. N/A	___	___	MZ-C-Multizone cooling,	
		___	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<sup>TM</sup> 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](http://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.*

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.  
EnergyGauge® (Version: FLRCPB v4.1)

# Energy Code Compliance

## Duct System Performance Report

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

### 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	<b>Total House Duct System Leakage</b>	Sum lines 1-4 _____  Divide by _____ (Total Conditioned Floor Area)  = _____ (Q <sub>n,tot</sub> )  <input type="checkbox"/> Receive credit if Q <sub>n,tot</sub> ≤ 0.03	Sum lines 1-4 _____  Divide by _____ (Total Conditioned Floor Area)  = _____ (Q <sub>n,out</sub> )  <input type="checkbox"/> Receive credit if Q <sub>n,out</sub> ≤ 0.03 AND Q <sub>n,tot</sub> ≤ 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.htm>



**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 CONCRETE INC

IS CERTIFIED under the provisions of Ch. 489 FS.  
Expiration date: AUG 31, 2008 LC7860700103



# 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.

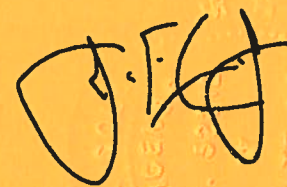
1950 Marley Drive Haines City, FL 33844  
Florida Engineering Certificate of Authorization Number: 567  
Florida Certificate of Product Approval # FL1999  
Page 1 of 1 Document ID: IT7K8228Z0423074733

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

## 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: -

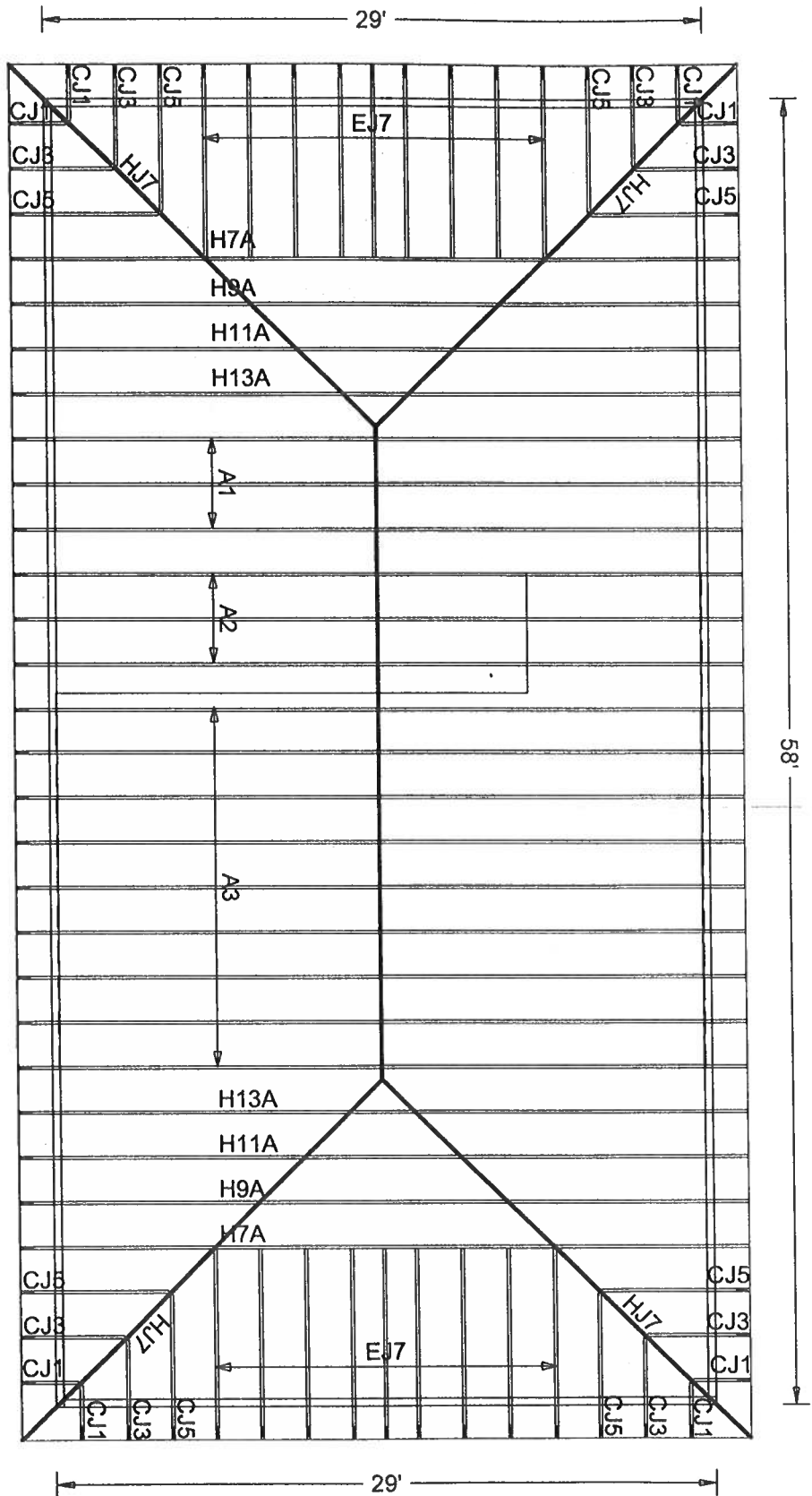


Seal Date: 05/23/2007

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

#	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

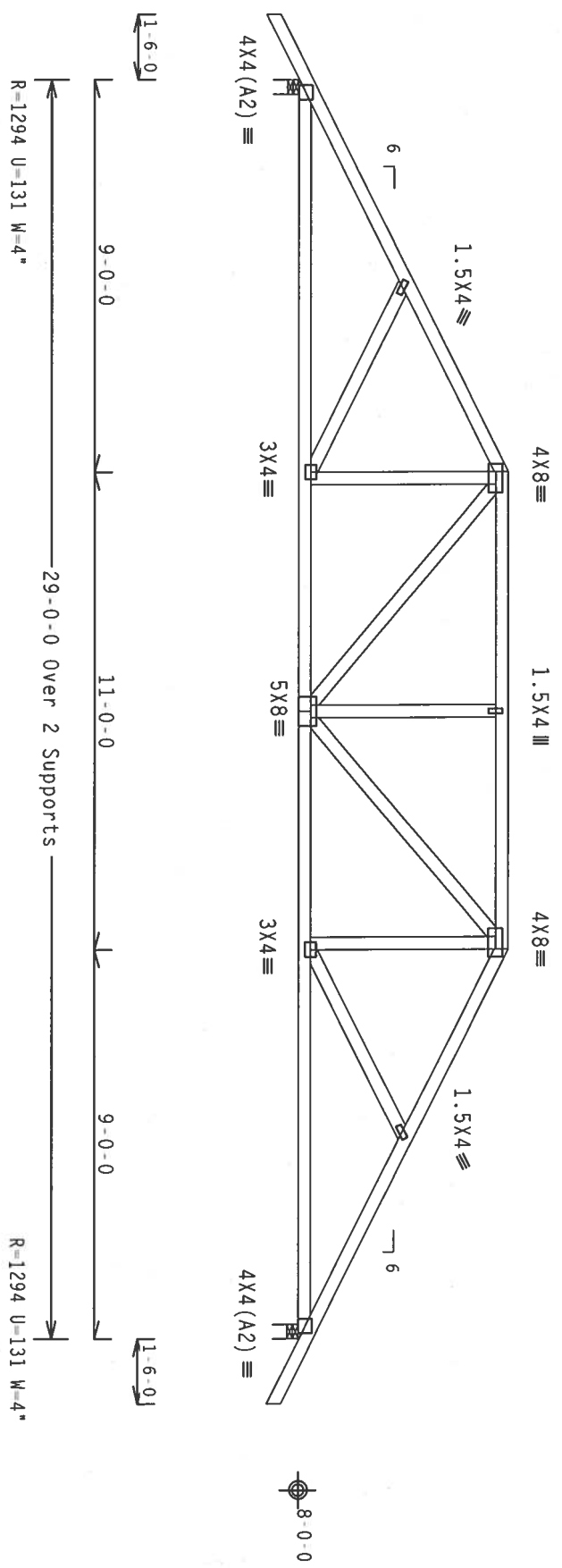
JOB NO:  
7-164

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.

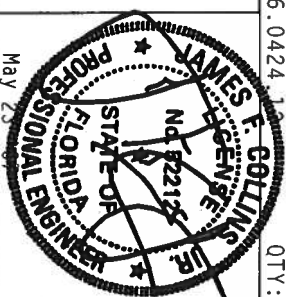
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$   $G_{cp1}(+/-)=0.18$   
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave Design Cr1t: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10.00 7.36.0424 10 QTY:1 FL/-/4/-/E/R/- Scale =.25"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (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. BY AFAPA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/16/1804 (U.N./55X) ASTM A653 GRADE 40/60 (U.N./55) GALV. STEEL. APPLY TO ALL CONNECTIONS. ALL CONNECTIONS SHALL BE PERMANENTLY STAMPED AS OF TPI-2002 SEC.3. ANY INSPECTION OF PLATES FOLLOWED BY (1) ITW BCG SHALL BE PERMANENTLY STAMPED AS OF TPI-2002 SEC.3. 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.



FL / - / 4 / - / E / R / -		Scale = .25" / ft.	
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	177K8228204



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. 1w=1.00 Gcpi (+/-)=0.18

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



Scale = .25"/Ft.

WATER T. COLLINS  
LICENSING

No. 62213

STATE OF  
NEW YORK  
COUNTY OF  
SHERMAN



Professional Engineer

may

REF	R8228- 56305
DATE	05/23/07
DRW	HCU8R8228 071430
HC-ENG	SSB/WHK
SEON-	22850
JREF -	1T7K8228Z04

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  Gcp(+)=-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)

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

7.36.0424.12

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

Scale = .25"/Ft.

**WARNING:** THESE RESIDUE EXTREME GASES IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PACKING REFER TO RCS1 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (FIBERGLASS INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LAKE, 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 PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT**

TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

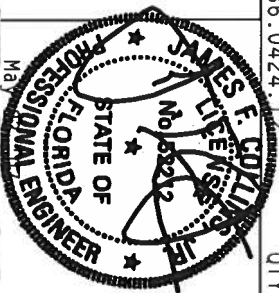
CONNECTOR PLATES ARE MADE OF 20/18/16GA (M. H/SS/K) ASIM A653 GRADE 40/60 (M. K/H.SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRIBUS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION SEE DRAWINGS 1604 2

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100

ITW Building Components Group, Inc.  
Haines City, FL 33844  
Certificate of Authorization # 447

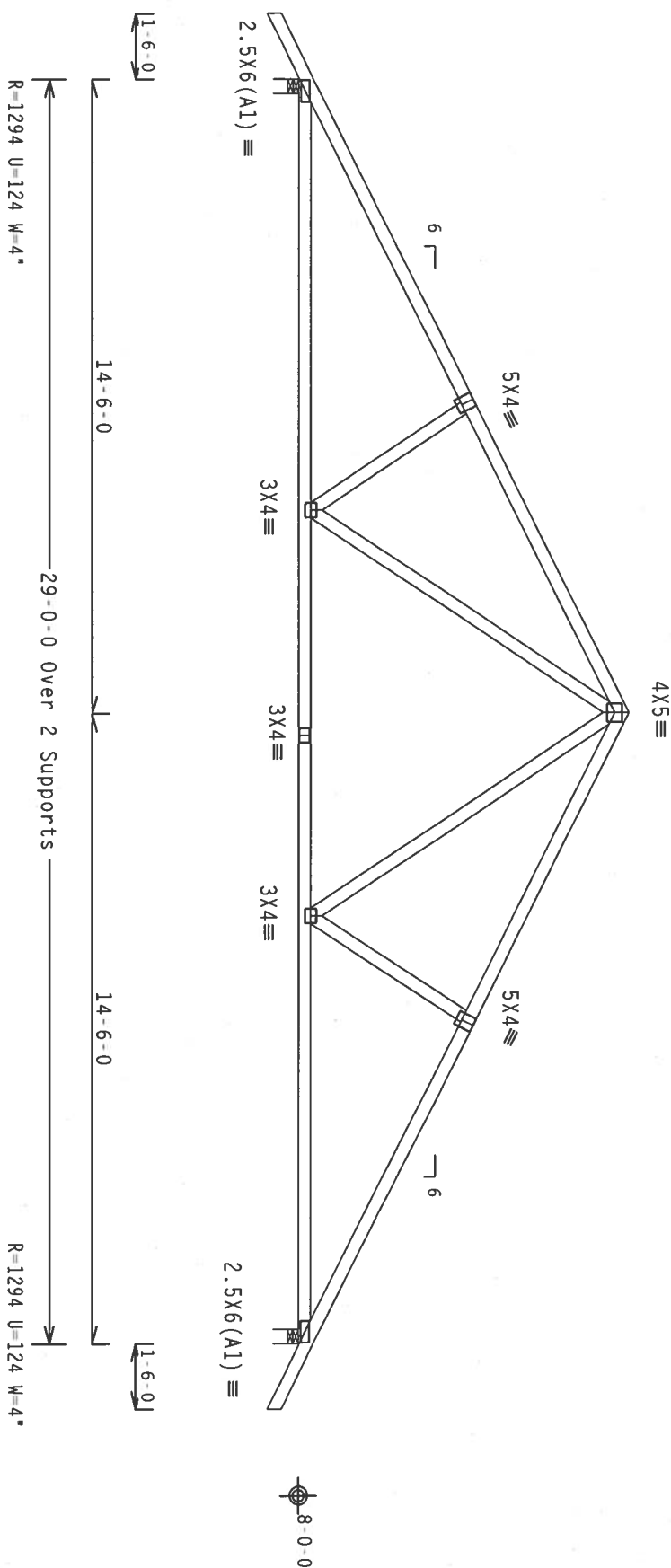


TC LL	20.0 PSF	REF	R8228 - 56306
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUS8228 07143030
BC LL	0.0 PSF	HC-ENG	SSB/WHK *
TOT.LD.	40.0 PSF	SEQN -	22856
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T7K8228Z04

( 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 MMFRS 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.  $I_w=1.00$  Gcpi (+/-)=0.18  
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.042

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

Scale =.25"/Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TPI-2002(STD) FOR THE FOLLOWING INSTRUCTIONS: 1. THE TRUSS SHALL BE UNPACKED AND INSPECTED BY THE TRUSS COMPANY REPRESENTATIVE PRIOR TO PERFORMING THESE FUNCTIONS. 2. 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-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI-2002(STD). ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2.

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



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

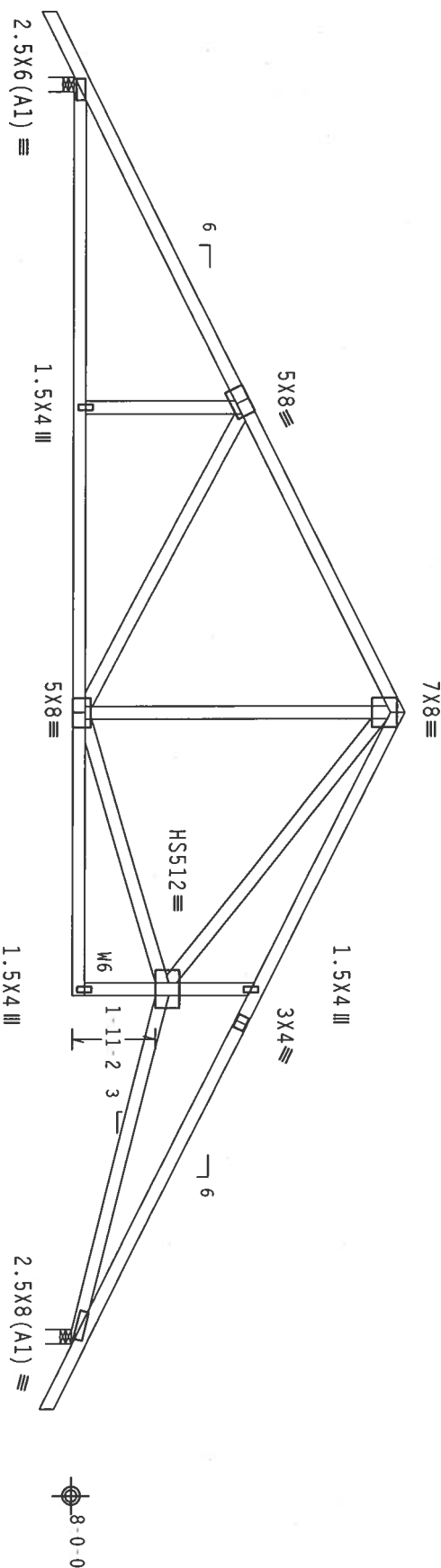
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

Wind reactions based on MMFRS 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.  $lw=1.00 Gcp1(+/-)=0.18$

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



14-6-0 21-0-0 29-0-0 Over 2 Supports 14-6-0 8-0-0

R=1294 U=124 W=4"

R=1296 U=123 W=4"

PLT TYP. 20 Gauge HS,Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

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

Scale =.25"/Ft.

\*\*\*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, 22304) AND WCA (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. JTW 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 NDS) AND TPI. JTW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/5/5) ASTM A653 GRADE 40/60 (W, K/H/55) GALV. STEEL. APPLY AN INTERIOR PLATE OF 20/18/16GA (W/H/5/5) ASTM A653 GRADE 40/60 (W, K/H/55) GALV. STEEL. ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. DATE: 05/23/07. 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.



JTW Building Components Group, Inc.  
Haines City, FL 33844  
Tel: 888-333-3333  
Fax: 888-333-3333

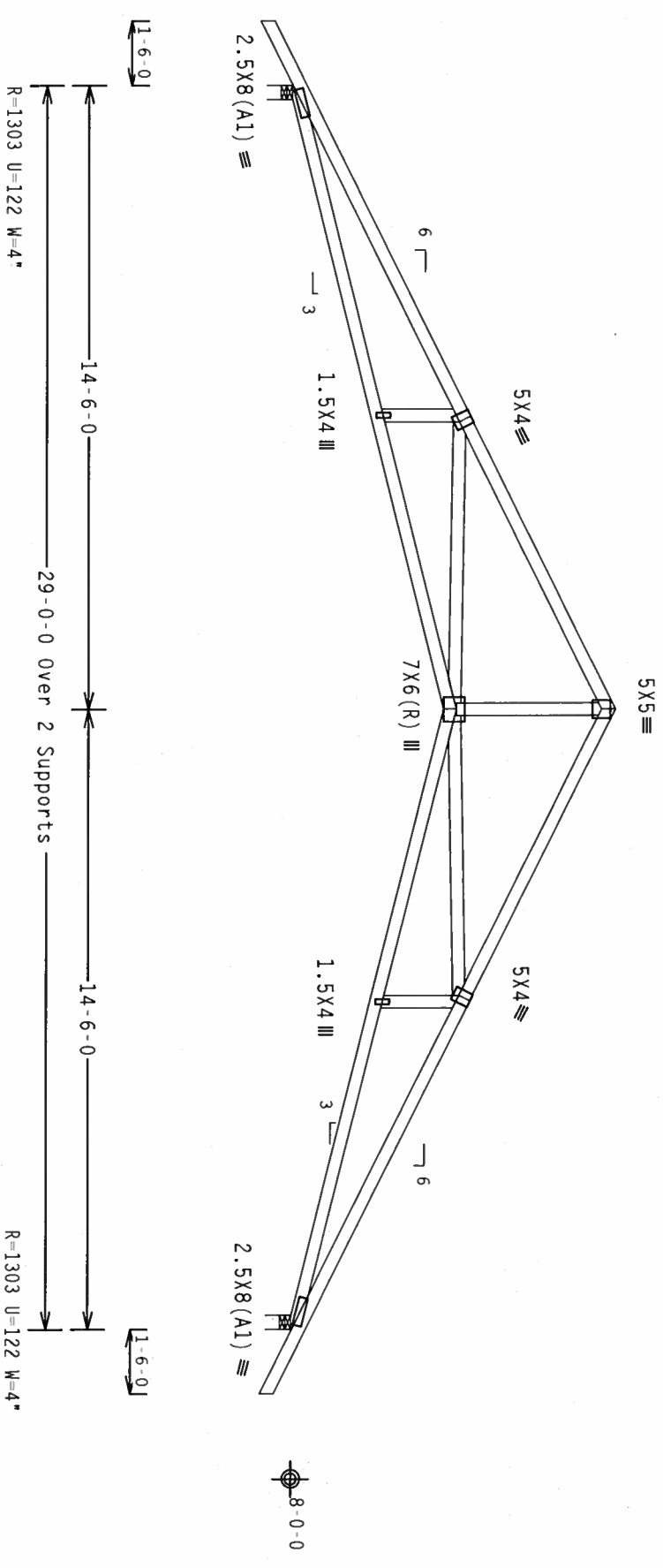


TC LL	20.0 PSF	REF	R8228- 56308
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143032
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT.LD.	40.0 PSF	SEON-	22876
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	177K8228204

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.  $I_w=1.00$   $G C P_i(+/-)=0.18$   
Calculated horizontal deflection is 0.21" due to live load and 0.32" due to dead load.



PLT TYP. Wave

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

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

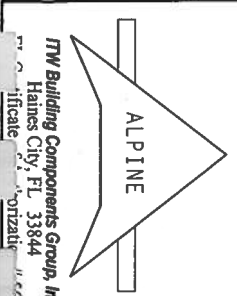
Scale = .25"/Ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING, INSTALLING AND BRACING. REFER TO BCS1 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, 600 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.

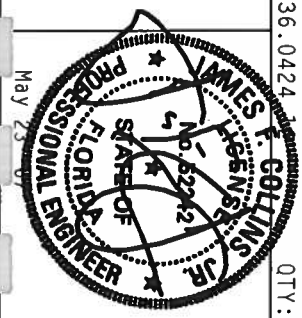
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. JTM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEA) AND TPI. JTM BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHALL BE OBTAINED BY THE USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



JTM Building Components Group, Inc.  
Haines City, FL 33844  
Office: 888.222.2222



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	177K8228204



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

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 GCpf(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC

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

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

Scale = .25"/Ft.

\* "WARNING" RISKES REQUIRE EXTREMELY CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC'S (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TROSS PASTE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 65000 MIDWAY, ENTERPRISE LAKE, MONTANA, MT 59119) FOR SAFETY PRACTICES PRIOR TO TRANSFERRING THESE COMPONENTS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

**\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT**

TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A-2 CONNECTION PLATES ARE MADE OF 20/18/16GA (W.M./SS/K) ASIM A053 GRADE 40/60 (W. K/M.55) GALV. STEEL. APPLT

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

☐ ☐ ☐ ☐ ☐ ☐

4424 QTY: 1

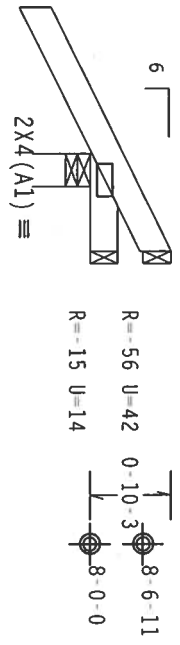
May 23 9

JAMES F. COLLINS  
ELECTRICAL  
No. 52112  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

FL/-/4/-/E/R/-	Scale = .25"/Ft.
TC LL 20.0 PSF	REF R8228- 56310
TC DL 10.0 PSF	DATE 05/23/07
BC DL 10.0 PSF	DRW HCU8R8228 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- 1T7K8228204

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Wind reactions based on MMFRS 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.  $I_w=1.00$  GCPI(+/-)=0.18  
Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



1-6-0-0  
1-0-0 Over 3 Supports  
R=254 U=50 W=4\*

PLT TYP. Wave

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

7.36.0424.12

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

Scale = .5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (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 ACPA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2, 1604-3, 1604-4, 1604-5, 1604-6, 1604-7, 1604-8, 1604-9, 1604-10, 1604-11, 1604-12, 1604-13, 1604-14, 1604-15, 1604-16, 1604-17, 1604-18, 1604-19, 1604-20, 1604-21, 1604-22, 1604-23, 1604-24, 1604-25, 1604-26, 1604-27, 1604-28, 1604-29, 1604-30, 1604-31, 1604-32, 1604-33, 1604-34, 1604-35, 1604-36, 1604-37, 1604-38, 1604-39, 1604-40, 1604-41, 1604-42, 1604-43, 1604-44, 1604-45, 1604-46, 1604-47, 1604-48, 1604-49, 1604-50, 1604-51, 1604-52, 1604-53, 1604-54, 1604-55, 1604-56, 1604-57, 1604-58, 1604-59, 1604-60, 1604-61, 1604-62, 1604-63, 1604-64, 1604-65, 1604-66, 1604-67, 1604-68, 1604-69, 1604-70, 1604-71, 1604-72, 1604-73, 1604-74, 1604-75, 1604-76, 1604-77, 1604-78, 1604-79, 1604-80, 1604-81, 1604-82, 1604-83, 1604-84, 1604-85, 1604-86, 1604-87, 1604-88, 1604-89, 1604-90, 1604-91, 1604-92, 1604-93, 1604-94, 1604-95, 1604-96, 1604-97, 1604-98, 1604-99, 1604-100, 1604-101, 1604-102, 1604-103, 1604-104, 1604-105, 1604-106, 1604-107, 1604-108, 1604-109, 1604-110, 1604-111, 1604-112, 1604-113, 1604-114, 1604-115, 1604-116, 1604-117, 1604-118, 1604-119, 1604-120, 1604-121, 1604-122, 1604-123, 1604-124, 1604-125, 1604-126, 1604-127, 1604-128, 1604-129, 1604-130, 1604-131, 1604-132, 1604-133, 1604-134, 1604-135, 1604-136, 1604-137, 1604-138, 1604-139, 1604-140, 1604-141, 1604-142, 1604-143, 1604-144, 1604-145, 1604-146, 1604-147, 1604-148, 1604-149, 1604-150, 1604-151, 1604-152, 1604-153, 1604-154, 1604-155, 1604-156, 1604-157, 1604-158, 1604-159, 1604-160, 1604-161, 1604-162, 1604-163, 1604-164, 1604-165, 1604-166, 1604-167, 1604-168, 1604-169, 1604-170, 1604-171, 1604-172, 1604-173, 1604-174, 1604-175, 1604-176, 1604-177, 1604-178, 1604-179, 1604-180, 1604-181, 1604-182, 1604-183, 1604-184, 1604-185, 1604-186, 1604-187, 1604-188, 1604-189, 1604-190, 1604-191, 1604-192, 1604-193, 1604-194, 1604-195, 1604-196, 1604-197, 1604-198, 1604-199, 1604-200, 1604-201, 1604-202, 1604-203, 1604-204, 1604-205, 1604-206, 1604-207, 1604-208, 1604-209, 1604-210, 1604-211, 1604-212, 1604-213, 1604-214, 1604-215, 1604-216, 1604-217, 1604-218, 1604-219, 1604-220, 1604-221, 1604-222, 1604-223, 1604-224, 1604-225, 1604-226, 1604-227, 1604-228, 1604-229, 1604-230, 1604-231, 1604-232, 1604-233, 1604-234, 1604-235, 1604-236, 1604-237, 1604-238, 1604-239, 1604-240, 1604-241, 1604-242, 1604-243, 1604-244, 1604-245, 1604-246, 1604-247, 1604-248, 1604-249, 1604-250, 1604-251, 1604-252, 1604-253, 1604-254, 1604-255, 1604-256, 1604-257, 1604-258, 1604-259, 1604-260, 1604-261, 1604-262, 1604-263, 1604-264, 1604-265, 1604-266, 1604-267, 1604-268, 1604-269, 1604-270, 1604-271, 1604-272, 1604-273, 1604-274, 1604-275, 1604-276, 1604-277, 1604-278, 1604-279, 1604-280, 1604-281, 1604-282, 1604-283, 1604-284, 1604-285, 1604-286, 1604-287, 1604-288, 1604-289, 1604-290, 1604-291, 1604-292, 1604-293, 1604-294, 1604-295, 1604-296, 1604-297, 1604-298, 1604-299, 1604-300, 1604-301, 1604-302, 1604-303, 1604-304, 1604-305, 1604-306, 1604-307, 1604-308, 1604-309, 1604-310, 1604-311, 1604-312, 1604-313, 1604-314, 1604-315, 1604-316, 1604-317, 1604-318, 1604-319, 1604-320, 1604-321, 1604-322, 1604-323, 1604-324, 1604-325, 1604-326, 1604-327, 1604-328, 1604-329, 1604-330, 1604-331, 1604-332, 1604-333, 1604-334, 1604-335, 1604-336, 1604-337, 1604-338, 1604-339, 1604-340, 1604-341, 1604-342, 1604-343, 1604-344, 1604-345, 1604-346, 1604-347, 1604-348, 1604-349, 1604-350, 1604-351, 1604-352, 1604-353, 1604-354, 1604-355, 1604-356, 1604-357, 1604-358, 1604-359, 1604-360, 1604-361, 1604-362, 1604-363, 1604-364, 1604-365, 1604-366, 1604-367, 1604-368, 1604-369, 1604-370, 1604-371, 1604-372, 1604-373, 1604-374, 1604-375, 1604-376, 1604-377, 1604-378, 1604-379, 1604-380, 1604-381, 1604-382, 1604-383, 1604-384, 1604-385, 1604-386, 1604-387, 1604-388, 1604-389, 1604-390, 1604-391, 1604-392, 1604-393, 1604-394, 1604-395, 1604-396, 1604-397, 1604-398, 1604-399, 1604-400, 1604-401, 1604-402, 1604-403, 1604-404, 1604-405, 1604-406, 1604-407, 1604-408, 1604-409, 1604-410, 1604-411, 1604-412, 1604-413, 1604-414, 1604-415, 1604-416, 1604-417, 1604-418, 1604-419, 1604-420, 1604-421, 1604-422, 1604-423, 1604-424, 1604-425, 1604-426, 1604-427, 1604-428, 1604-429, 1604-430, 1604-431, 1604-432, 1604-433, 1604-434, 1604-435, 1604-436, 1604-437, 1604-438, 1604-439, 1604-440, 1604-441, 1604-442, 1604-443, 1604-444, 1604-445, 1604-446, 1604-447, 1604-448, 1604-449, 1604-450, 1604-451, 1604-452, 1604-453, 1604-454, 1604-455, 1604-456, 1604-457, 1604-458, 1604-459, 1604-460, 1604-461, 1604-462, 1604-463, 1604-464, 1604-465, 1604-466, 1604-467, 1604-468, 1604-469, 1604-470, 1604-471, 1604-472, 1604-473, 1604-474, 1604-475, 1604-476, 1604-477, 1604-478, 1604-479, 1604-480, 1604-481, 1604-482, 1604-483, 1604-484, 1604-485, 1604-486, 1604-487, 1604-488, 1604-489, 1604-490, 1604-491, 1604-492, 1604-493, 1604-494, 1604-495, 1604-496, 1604-497, 1604-498, 1604-499, 1604-500, 1604-501, 1604-502, 1604-503, 1604-504, 1604-505, 1604-506, 1604-507, 1604-508, 1604-509, 1604-510, 1604-511, 1604-512, 1604-513, 1604-514, 1604-515, 1604-516, 1604-517, 1604-518, 1604-519, 1604-520, 1604-521, 1604-522, 1604-523, 1604-524, 1604-525, 1604-526, 1604-527, 1604-528, 1604-529, 1604-530, 1604-531, 1604-532, 1604-533, 1604-534, 1604-535, 1604-536, 1604-537, 1604-538, 1604-539, 1604-540, 1604-541, 1604-542, 1604-543, 1604-544, 1604-545, 1604-546, 1604-547, 1604-548, 1604-549, 1604-550, 1604-551, 1604-552, 1604-553, 1604-554, 1604-555, 1604-556, 1604-557, 1604-558, 1604-559, 1604-560, 1604-561, 1604-562, 1604-563, 1604-564, 1604-565, 1604-566, 1604-567, 1604-568, 1604-569, 1604-570, 1604-571, 1604-572, 1604-573, 1604-574, 1604-575, 1604-576, 1604-577, 1604-578, 1604-579, 1604-580, 1604-581, 1604-582, 1604-583, 1604-584, 1604-585, 1604-586, 1604-587, 1604-588, 1604-589, 1604-590, 1604-591, 1604-592, 1604-593, 1604-594, 1604-595, 1604-596, 1604-597, 1604-598, 1604-599, 1604-600, 1604-601, 1604-602, 1604-603, 1604-604, 1604-605, 1604-606, 1604-607, 1604-608, 1604-609, 1604-610, 1604-611, 1604-612, 1604-613, 1604-614, 1604-615, 1604-616, 1604-617, 1604-618, 1604-619, 1604-620, 1604-621, 1604-622, 1604-623, 1604-624, 1604-625, 1604-626, 1604-627, 1604-628, 1604-629, 1604-630, 1604-631, 1604-632, 1604-633, 1604-634, 1604-635, 1604-636, 1604-637, 1604-638, 1604-639, 1604-640, 1604-641, 1604-642, 1604-643, 1604-644, 1604-645, 1604-646, 1604-647, 1604-648, 1604-649, 1604-650, 1604-651, 1604-652, 1604-653, 1604-654, 1604-655, 1604-656, 1604-657, 1604-658, 1604-659, 1604-660, 1604-661, 1604-662, 1604-663, 1604-664, 1604-665, 1604-666, 1604-667, 1604-668, 1604-669, 1604-670, 1604-671, 1604-672, 1604-673, 1604-674, 1604-675, 1604-676, 1604-677, 1604-678, 1604-679, 1604-680, 1604-681, 1604-682, 1604-683, 1604-684, 1604-685, 1604-686, 1604-687, 1604-688, 1604-689, 1604-690, 1604-691, 1604-692, 1604-693, 1604-694, 1604-695, 1604-696, 1604-697, 1604-698, 1604-699, 1604-700, 1604-701, 1604-702, 1604-703, 1604-704, 1604-705, 1604-706, 1604-707, 1604-708, 1604-709, 1604-710, 1604-711, 1604-712, 1604-713, 1604-714, 1604-715, 1604-716, 1604-717, 1604-718, 1604-719, 1604-720, 1604-721, 1604-722, 1604-723, 1604-724, 1604-725, 1604-726, 1604-727, 1604-728, 1604-729, 1604-730, 1604-731, 1604-732, 1604-733, 1604-734, 1604-735, 1604-736, 1604-737, 1604-738, 1604-739, 1604-740, 1604-741, 1604-742, 1604-743, 1604-744, 1604-745, 1604-746, 1604-747, 1604-748, 1604-749, 1604-750, 1604-751, 1604-752, 1604-753, 1604-754, 1604-755, 1604-756, 1604-757, 1604-758, 1604-759, 1604-760, 1604-761, 1604-762, 1604-763, 1604-764, 1604-765, 1604-766, 1604-767, 1604-768, 1604-769, 1604-770, 1604-771, 1604-772, 1604-773, 1604-774, 1604-775, 1604-776, 1604-777, 1604-778, 1604-779, 1604-780, 1604-781, 1604-782, 1604-783, 1604-784, 1604-785, 1604-786, 1604-787, 1604-788, 1604-789, 1604-790, 1604-791, 1604-792, 1604-793, 1604-794, 1604-795, 1604-796, 1604-797, 1604-798, 1604-799, 1604-800, 1604-801, 1604-802, 1604-803, 1604-804, 1604-805, 1604-806, 1604-807, 1604-808, 1604-809, 1604-810, 1604-811, 1604-812, 1604-813, 1604-814, 1604-815, 1604-816, 1604-817, 1604-818, 1604-819, 1604-820, 1604-821, 1604-822, 1604-823, 1604-824, 1604-825, 1604-826, 1604-827, 1604-828, 1604-829, 1604-830, 1604-831, 1604-832, 1604-833, 1604-834, 1604-835, 1604-836, 1604-837, 1604-838, 1604-839, 1604-840, 1604-841, 1604-842, 1604-843, 1604-844, 1604-845, 1604-846, 1604-847, 1604-848, 1604-849, 1604-850, 1604-851, 1604-852, 1604-853, 1604-854, 1604-855, 1604-856, 1604-857, 1604-858, 1604-859, 1604-860, 1604-861, 1604-862, 1604-863, 1604-864, 1604-865, 1604-866, 1604-867, 1604-868, 1604-869, 1604-870, 1604-871, 1604-872, 1604-873, 1604-874, 1604-875, 1604-876, 1604-877, 1604-878, 1604-879, 1604-880, 1604-881, 1604-882, 1604-883, 1604-884, 1604-885, 1604-886, 1604-887, 1604-888, 1604-889, 1604-890, 1604-891, 1604-892, 1604-893, 1604-894, 1604-895, 1604-896, 1604-897, 1604-898, 1604-899, 1604-900, 1604-901, 1604-902, 1604-903, 1604-904, 1604-905, 1604-906, 1604-907, 1604-908, 1604-909, 1604-910, 1604-911, 1604-912, 1604-913, 1604-914, 1604-915, 1604-916, 1604-917, 1604-918, 1604-919, 1604-920, 1604-921, 1604-922, 1604-923, 1604-924, 1604-925, 1604-926, 1604-927, 1604-928, 1604-929, 1604-930, 1604-931, 1604-932, 1604-933, 1604-934, 1604-935, 1604-936, 1604-937, 1604-938, 1604-939, 1604-940, 1604-941, 1604-942, 1604-943, 1604-944, 1604-945, 1604-946, 1604-947, 1604-948, 1604-949, 1604-950, 1604-951, 1604-952, 1604-953, 1604-954, 1604-955, 1604-956, 1604-957, 1604-958, 1604-959, 1604-960, 1604-961, 1604-962, 1604-963, 1604-964, 1604-965, 1604-966, 1604-967, 1604-968, 1604-969, 1604-970, 1604-971, 1604-972, 1604-973, 1604-974, 1604-975, 1604-976, 1604-977, 1604-978, 1604-979, 1604-980, 1604-981, 1604-982, 1604-983, 1604-984, 1604-985, 1604-986, 1604-987, 1604-988, 1604-989, 1604-990, 1604-991, 1604-992, 1604-993, 1604-994, 1604-995, 1604-996, 1604-997, 1604-998, 1604-999, 1604-1000, 1604-1001, 1604-1002, 1604-1003, 1604-1004, 1604-1005, 1604-1006, 1604-1007, 1604-1008, 1604-1009, 1604-1010, 1604-1011, 1604-1012, 1604-1013, 1604-1014, 1604-1015, 1604-1016, 1604-1017, 1604-1018, 1604-1019, 1604-1020, 1604-1021, 1604-1022, 1604-1023, 1604-1024, 1604-1025, 1604-1026, 1604-1027, 1604-1028, 1604-1029, 1604-1030, 1604-1031, 1604-1032, 1604-1033, 1604-1034, 1604-1035, 1604-1036, 1604-1037, 1604-1038, 1604-1039, 1604-1040, 1604-1041, 1604-1042, 1604-1043, 1604-1044, 1604-1045, 1604-1046, 1604-1047, 1604-1048, 1604-1049, 1604-1050, 1604-1051, 1604-1052, 1604-1053, 1604-1054, 1604-1055, 1604-1056, 1604-1057, 1604-1058, 1604-1059, 1604-1060, 1604-1061, 1604-1062, 1604-1063, 1604-1064, 1604-1065, 1604-1066, 1604-1067, 1604-1068, 1604-1069, 1604-1070, 1604-1071, 1604-1072, 1604-1073, 1604-1074, 1604-1075, 1604-1076, 1604-1077, 1604-1078, 1604-1079, 1604-1080, 1604-1081, 1604-1082, 1604-1083, 1604-1084, 1604-1085, 1604-1086, 1604-1087, 1604-1088, 1604-1089, 1604-1090, 1604-1091, 1604-1092, 1604-1093, 1604-1094, 1604-1095, 1604-1096, 1604-1097, 1604-1098, 1604-1099, 1604-1100, 1604-1101, 1604-1102, 1604-1103, 1604-1104, 1604-1105, 1604-1106, 1604-1107, 1604-1108, 1604-1109, 1604-1110, 1604-1111, 1604-1112, 1604-1113, 1604-1114, 1604-1115, 1604-1116, 1604-1117, 1604-1118, 1604-1119, 1604-1120, 1604-1121, 1604-1122, 1604-1123, 1604-1124, 1604-1125,

THIS WAS PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY KUSS M.K.

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  $I_w=1.00$  Gcpi(+/-)=0.18

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



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

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

7.36.0424.13

OTY:1

EI / - / A / - / E / B / -

Scale = 5"/E+

JAMES F. COLLINS  
LICENSE  
JR

BC 11 00 DEC

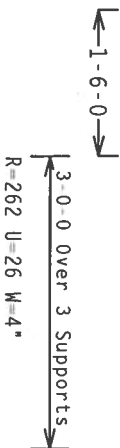
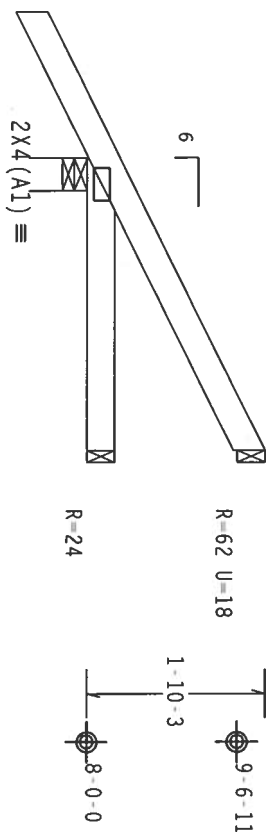
DUR.FAC. 1.25  
SPACING SEE ABOVE

REF - 1T7K8228704

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

Wind reactions based on MMFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC  
DL=5.0 psf.  $1w=1.00 \text{ gcpi}(+/-)=0.18$   
Deflection meets L/240 live and L/180 total load. Creep increase  
factor for dead load is 1.50.



PLT TYP. Wave

Design Cr1t: TPI-2002(STD)/FBC

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

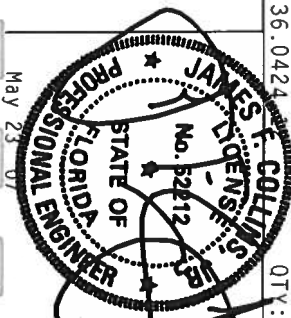
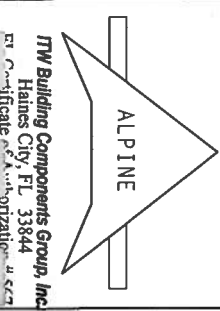
7.36.0424

OTY:1 FL/-/4/-/E/R/-

Scale =.5"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MOHAWK, 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/18/18GA (W/H/SS/K) ASTM A653 GRADE 40/60 (K, R/H/SS) GALV. STEEL. APPLY CONNECTIONS TO ALL TRUSS MEMBERS AND BRACES. (SEE DETAIL 11000-SEC. 2.) FOR THE TRUSS CONNECTIONS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SHALL BE 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.

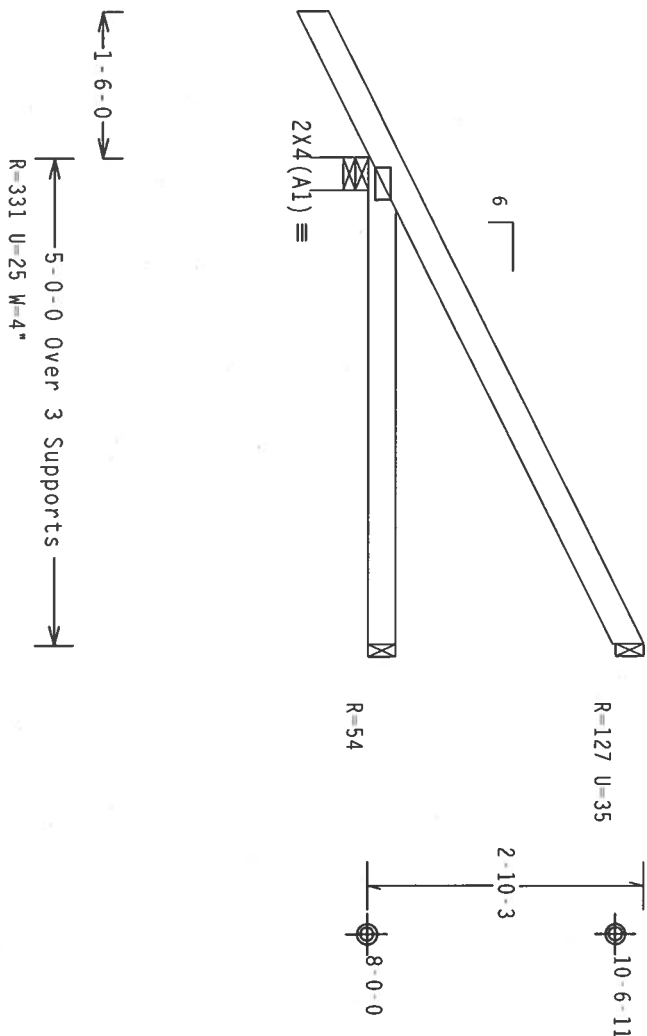


TC LL	20.0 PSF	REF R8228 - 56313
TC DL	10.0 PSF	DATE 05/23/07
BC DL	10.0 PSF	DRW HCUR8228 07143025
BC LL	0.0 PSF	HC-ENG SSB/WHK *
TOT.LD.	40.0 PSF	SEQN - 22788
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T7K8228Z04

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 11, Exp B, Wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 Gcp1(+/-)=0.18



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.36.0424

QTY:1

FL/-/4/-/E/R/-

Scale = .5"/Ft.

\*"MAINING" FRUES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRAGGING REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO RECONSTRUCTING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED GRID CEILING.

ALPINE

**TTW Building Components Group, Inc.**  
Haines City, FL 33844  
EI Certificate #EAA0012410-4567

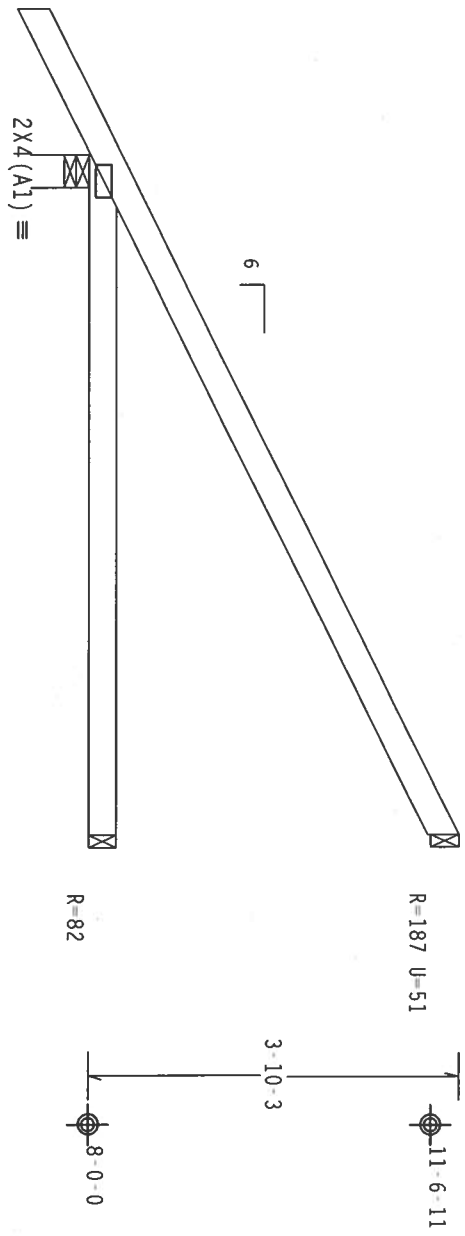


TC LL	20.0 PSF	REF	R8228- 56314
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCUSR8228 07143035
BC LL	0.0 PSF	HC-ENG	SSB/WHK *
TOT.LD.	40.0 PSF	SEQN-	22792
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T7K8228Z04



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Wind reactions based on MMFRS 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.  $I_w=1.00$   $G_{CPI}(+/-)=0.18$   
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

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

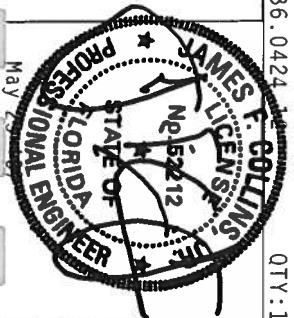
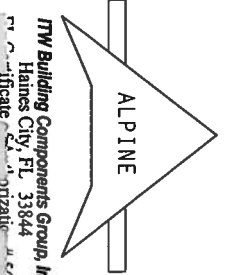
Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ROOFING MUST BE INSTALLED IMMEDIATELY AFTER TRUSS INSTALLATION. TRUSSES ARE NOT TO BE USED AS A WALKWAY OR LIFTING POINT. NO OTHER LOADS ARE TO BE APPLIED TO THE TRUSS. IF THE TRUSS IS TO BE USED AS A WALKWAY OR LIFTING POINT, THE TRUSS MUST BE DESIGNED AND MANUFACTURED FOR THAT PURPOSE. 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, 2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. ANY OTHER USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 56315
TC DL	10.0 PSF	DATE	05/23/07
BC DL	10.0 PSF	DRW	HCSR8228 07143027
BC LL	0.0 PSF	HC-ENG	SSB/MHK
TOT. LD.	40.0 PSF	SEQN	22796
DUR. FAC.	1.25		
SPACING	24.0"	JREF	177K8228204

# 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

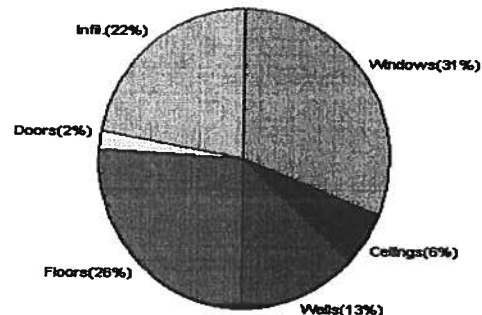
5/24/2007

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
<b>Total heating load calculation</b>	<b>25819 Btuh</b>	<b>Total cooling load calculation</b>	<b>32336 Btuh</b>
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)

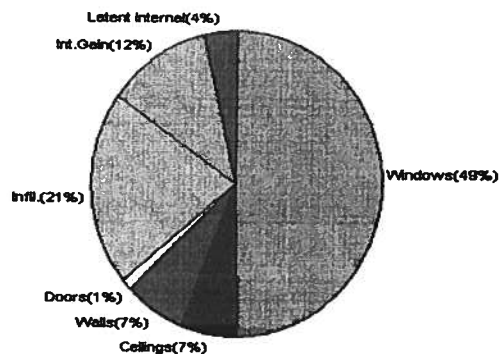
Load component		Load	
Window total	172 sqft	8068	Btuh
Wall total	1028 sqft	3377	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	1297 sqft	1528	Btuh
Floor total	154 sqft	6724	Btuh
Infiltration	138 cfm	5604	Btuh
Duct loss		0	Btuh
<b>Subtotal</b>		<b>25819</b>	<b>Btuh</b>
Ventilation	0 cfm	0	Btuh
<b>TOTAL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



## 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
<b>Total sensible gain</b>		<b>26712</b>	<b>Btuh</b>
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		4424	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
<b>Total latent gain</b>		<b>5624</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>32336</b>	<b>Btuh</b>



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

*[Signature]*  
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		518 Btuh
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		1528 Btuh
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=	Load
	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		518 Btuh
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		1528 Btuh
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=	Load
	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*	Omt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		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	

# 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

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>26712 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>26712 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>26712 Btuh</b>
	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
	<b>Latent total gain</b>	<b>5624 Btuh</b>
	<b>TOTAL GAIN</b>	<b>32336 Btuh</b>

\*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))

(Omt - 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

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		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



# 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: 386-486-3467 Fax: 386-486-3147

## 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	118	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	189	208	0.880	6	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](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>A. EXTERIOR DOORS</b>			
1. Swinging			FL 4242.1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
<b>B. WINDOWS</b>	Alenco.	1111 / F1214.10	
1. Single hung			FL. 6029.7
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			
<b>C. PANEL WALL</b>			
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			
<b>D. ROOFING PRODUCTS</b>			
1. Asphalt Shingles	ELK	Shingles	Shingles Hip SS 728.4, 728.5, 728.6
2. Underlayments			
3. Roofing Fasteners			30RF → FL. 1814.3 15RF → FL. 1814.1
4. Non-structural Metal Rf	Wheeling Corrugations Co.	Roofing Metal	FL. 5190
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			





# 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: 386-486-3467 Fax: 386-486-3147

## Project Information

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

## Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	68	75	Construction quality	0
Design TD (°F)	35	17	Fireplaces	
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 20000 Btuh @ 47°F  
Heating output 24 °F  
Temperature rise 760 cfm  
Actual air flow 0.037 cfm/Btuh  
Air flow factor 0.00 in H2O  
Static pressure  
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	96
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.



wrightsoft

Right-Size Residential 6.0.90 RSR26872

2007-Jun-01 14:44:44

C:\My Documents\Wrightsoft\HVAC\Timmons 255 NW Carol.rpt Calc = MJ8 Orientation = N

Page 1

# 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,  $I_w$ , 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 ( $kN/m^2$ ) to be used for the design of exterior component and cladding materials not specifically 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 (termicide 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 (termiteicide 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](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>A. EXTERIOR DOORS</b>			
1. Swinging			FL 4242.1
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
<b>B. WINDOWS</b>	Alenco	1111 / F1214.10	
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			
<b>C. PANEL WALL</b>			
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			
<b>D. ROOFING PRODUCTS</b>			
1. Asphalt Shingles	ELK	Shingles	Shingles Hip SS 728.4, 728.5, 728.6
2. Underlayments			
3. Roofing Fasteners			30RF FL 1814.3 15RF FL 1814.1
4. Non-structural Metal Rf	Wheeling Corrugations Co.	County Brass	FL 5190
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			

**COLUMBIA COUNTY  
FLORIDA  
DEPARTMENT OF BUILDING AND ZONING**

# 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

*Stacy Becker*

Building Inspector

**POST IN A CONSPICUOUS PLACE  
(Business Places Only)**



# Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

July 26 07

26000

37 NW Madeline's Tek

Lake City

Address of Treatment or Lot/Block of Treatment)

City

## Florida Pest Control & Chemical Co.

[www.flapest.com](http://www.flapest.com)

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

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

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

Information to be provided to local building code offices prior to concrete foundation installation.)



# Notice of Treatment

12694

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE BAY AVE

City: LC Phone: 752 1703

Site Location: Subdivision \_\_\_\_\_

Lot # \_\_\_\_\_ Block# \_\_\_\_\_ Permit # 26000

Address 237 NW MADELINE Terrace

Product used	Active Ingredient	% Concentration
<input type="checkbox"/> Premise	Imidacloprid	0.1%
<input type="checkbox"/> Termidor	Fipronil	0.12%
<input checked="" type="checkbox"/> 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

F254 GUNNY  
Print Technician's Name

Remarks: Building Code states Footer must be clean after work

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©