

Truss Index Sheet

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Orlando, Florida 32826
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Truss Fabricator: To Be Determined

Job Identification: TCE013 COTTAGE

Fill in later

Model Code: Florida Building Code w/ 2006 Revisions / ANSI-TPI 2002 / ASCE7-02

Eng. Software: Aline Software Version 7.23 thru 7.36

Loading: See Below

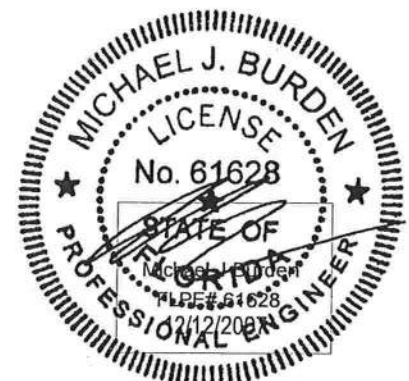
Eng of Record:

Eng of Record Address:

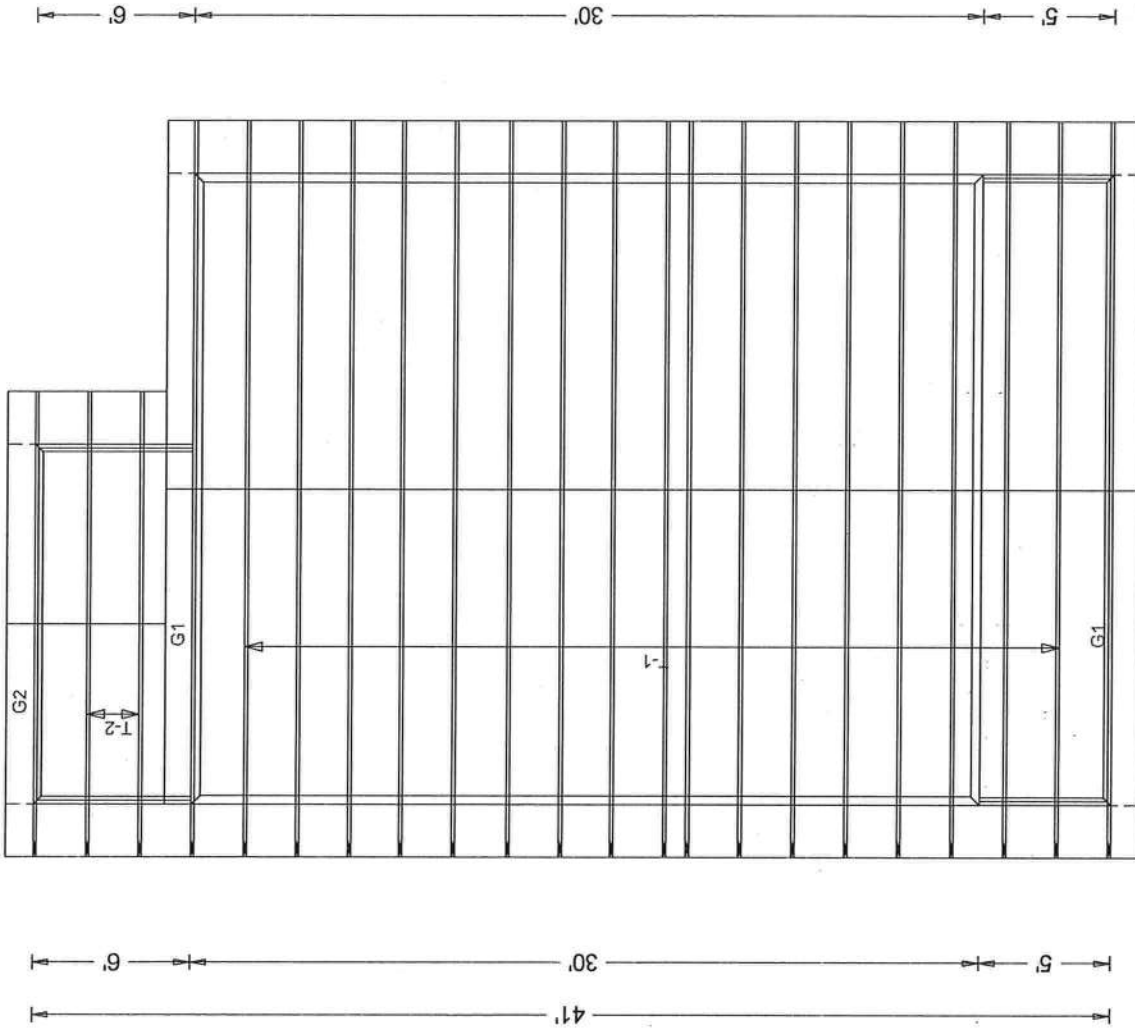
With my embossed seal affixed to this sheet, I hereby certify that this serves as an index sheet in conformance with Rules 61G15-31.003 and 61G15-23.002(2) of the Florida Board of Professional Regulation.

The embossed seal on the following index sheets indicates acceptance of professional engineering responsibility solely for the Truss Design Drawings attached. The drawing date of this sheet must match the date shown on the individual drawings. Refer to the individual truss drawings for the design loads applied. The suitability and use of each component for any particular building is the responsibility of the building designer, per ANSI/TPI 1- 2002 Sec. 2 and ANSI/TPI/WTCA 4 Section 2-4. Note these trusses are for permitting only. Truss Manufacturer to submit trusses to Engineer of Records prior to fabrication.

Qty	Span	Description	Slope TC/BC	OH - L OH - R	CANT-L CANT-R	HL/DP - L HL/DP - R	Truss	Loading
2	24-00-00	G1 146.9 lbs. each	5.00 2x4 / 2x4	02-00-00 02-00-00	00-00-00 00-00-00	00-04-01 00-04-01		20-7-10-0 37
1	13-08-08	G2 68.53 lbs. each	5.00 2x4 / 2x4	02-00-00 02-00-00	00-00-00 00-00-00	00-04-01 00-04-01		20-7-10-0 37
17	24-00-00	T-1 114.7 lbs. each	5.00 2x4 / 2x4	02-00-00 02-00-00	00-00-00 00-00-00	00-04-01 00-04-01		20-7-10-0 37
2	13-08-08	T-2 51.75 lbs. each	5.00 2x4 / 2x4	02-00-00 02-00-00	00-00-00 00-00-00	00-04-01 00-04-01		20-7-10-0 37
22	Trusses Total for Job#: TCE013							



24'



JOB NAME: COTTAGE
ORDER NUMBER: TCE013
CUSTOMER: Fill in later
DESIGNER: Mike Burden
MODEL:

JOB NO:
TCE013

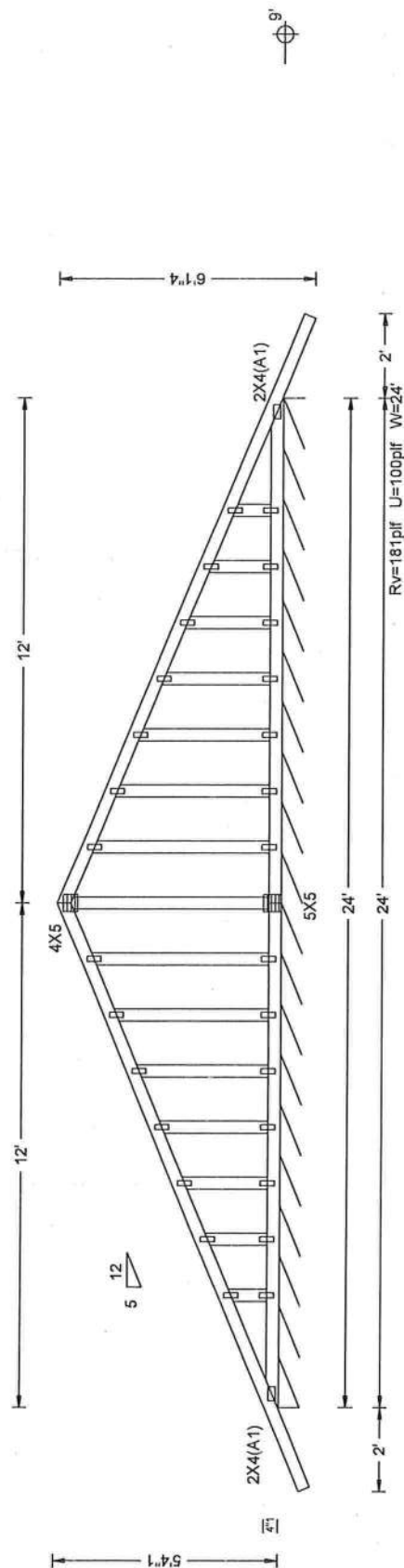
PAGE NO:
1 OF 1

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Member design based on MWFRS and C&C, wind reactions based on MWFRS.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 15.00 PSF. Top chord must not be cut or notched.

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:			
CHORD	SPACING(IN OC)	START(FT)	END(FT)
BC	75	0.15	23.85



LEFT RAKE = 2'0"9
LEFT JIG = 13'1"10
DESC. = G1
PLT. TYP.-WAVE

RIGHT RAKE = 2'0"9
RIGHT JIG = 13'1"10
SEQ = 170303
SCALE = 0.2500

FBC/TP12002(STD) Ca/RT=1.00(1.25)/10(0)

QTY=2 TOTAL=2

[illegible]

PROPERTY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OF MANUFACTURING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI 101 OF FABRICATING TRUSSES. DESIGN SPEC. BY AEP&J AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018T16GA W/HSIN ASTM A36 STEEL. POSITION PER DRAWINGS 180A-2. ANY DEVIATION FROM THIS DESIGN, WITHOUT THE WRITTEN APPROVAL OF ALPINE ENGINEERED PRODUCTS, INC., SHALL BE AT THE USER'S RISK.

INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 1. A SEAL ON THE 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.

REF.	
DATE	12-12-2007
DRWG	
O/A LEN.	24
JOB #:	TCE013
TYPE	GABL

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, lw=1.00 GCp(+/-)=0.18

Member design based on MWFRS and C&C, wind reactions based on MWFRS.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 15.00 PSF. Top chord must not be cut or notched.

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:			
CHORD	SPACING(IN OC)	START(FT)	END(FT)
BC	75	0.15	13.56



RIGHT RAKE = 2'0"9
RIGHT JIG = 7'6"12
SEQ = 170307
SCALE = 0.3750

QTY=1 TOTAL=1

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 TRUSSES. DESIGN PLATES ARE MADE OF JOISTE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF JOISTE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER PARAGRAPH 16.0.2. ANY INSPECTION OF PLATES FOLLOWED BY (U) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS BUILDING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPOUNDING DESIGNER. PER ANS/TP1 1 SEC. 2. THIS COMPROMISE FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANS/TP1 1 SEC. 2.

REF	20.0psf
DATE	12-12-2007
DRWG	10.0psf
	0.0psf
O/A LEN.	130808
JOB #:	TCE013
TYPE	GABL
SPACING	24.0"

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

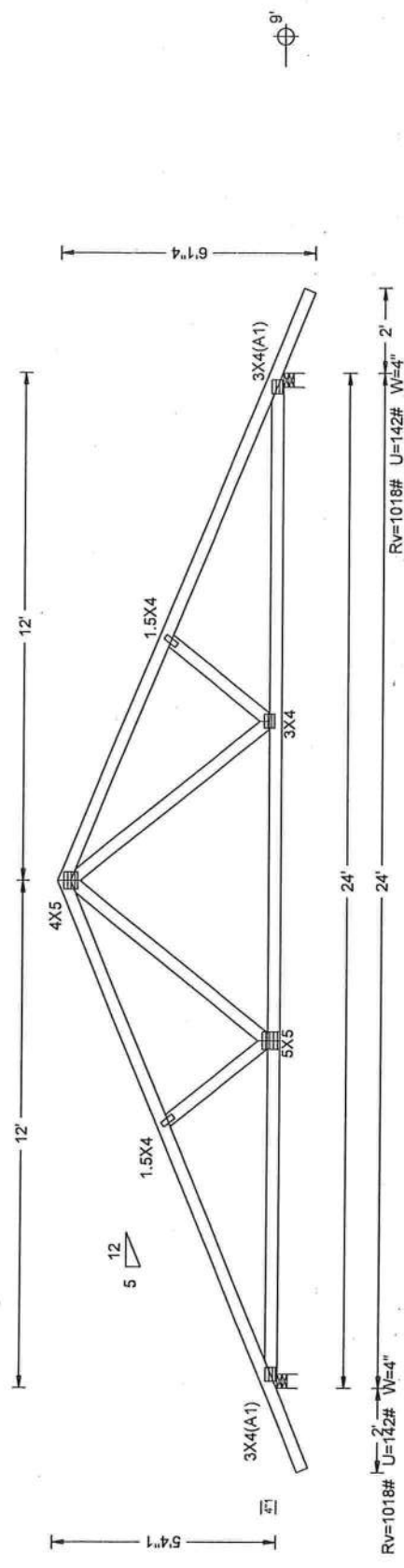
Member design based on MWFRS and C&C, wind reactions based on MWFRS.
Deflection meets U/360 live and U/240 total load.

THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR'S LAYOUT

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

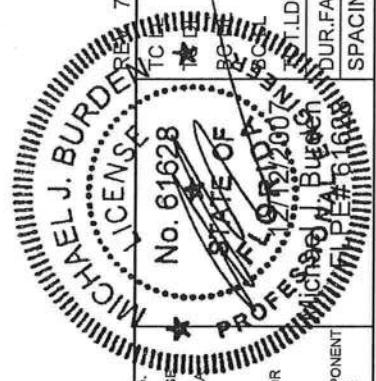
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, W=1.00 GCpl(+/-)=0.18

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END(FT)
90 0.15 23.85



LEFT RAKE = 20°9
LEFT JIG = 131°10
DESC. = T-1
PLT. TYP.-WAVE

RIGHT RAKE = 20°9
RIGHT JIG = 131°10
SEQ. = 170301
SCALE = 0.2500



REF	20.0psf	7.36.0409.01
DATE	12-12-2007	
DRWG	10.0psf	
O/A LEN.	24	
JOB #.	TCE013	
TYPE	COMN	

FBCT/TP12002(STD) CqRT=1.00(1.25V/10(0)) QTY= 17 TOTAL= 17

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL WOOD TRUSS COUNCIL OF AMERICA, 1000 N. 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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&A) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN, MANUFACTURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

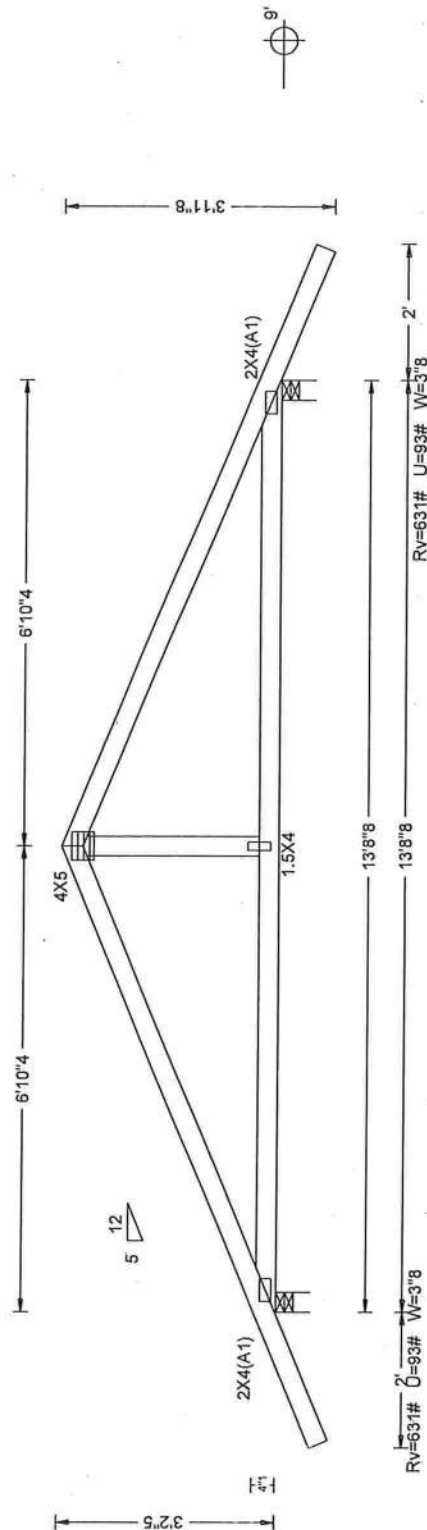
110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. W=1.00 GCp(+/-)=0.18

Member design based on MWFRS and C&C, wind reactions based on MWFRS.

Deflection meets L/360 live and L/240 total load.

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:
CHORD SPACING(IN OC) START(FT) END(FT)
120 0.15 13.56

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



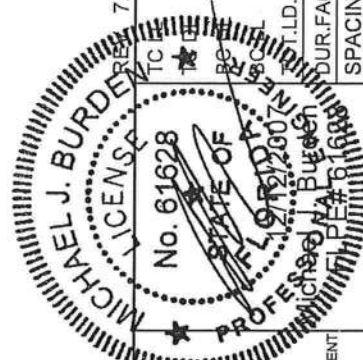
LEFT RAKE = 2'0"9
LEFT JIG = 7'6"12
DESC. = T-2
PLT. TYP. -WAVE

FBCT/PT2002(STD) Cq/RT=1.00(1.25)/10(0)

QTY=2 TOTAL=2

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 585 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL BE PROPERLY ATTACHED TO THE STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID JOINTS.
****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ALL TRUSSES SHALL BE IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN PLATES ARE MADE OF 2018/16GA (W/H/SI) ASTM A653 GRADE 4080 (W/H/SI) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 180A-2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

RIGHT RAKE = 2'0"9
RIGHT JIG = 7'6"12
SEQ = 170305
SCALE = 0.3750



REF	20.0psf
DATE	12-12-2007
DRWG	7.0psf
	10.0psf
	0.0psf
O/A LEN.	130808
JOB #	TCE013
TYPE	COMN

TC	20.0psf
BC	7.0psf
SC	10.0psf
WT	0.0psf
T.L.D.	37.0psf
DUR.FAC.	1.25
SPACING	24.0"

Residential System Sizing Calculation

Summary

Debra and Braulio Peruyero
13534 S W Tustenuggee Ave
Fort White, FL

Project Title:
Peruyero

Code Only
Professional Version
Climate: North

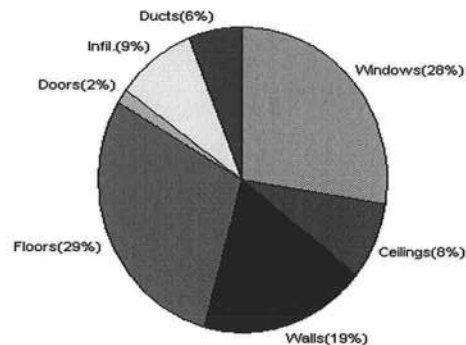
12/17/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	16117	Btuh	Total cooling load calculation	10838	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	148.9	24000	Sensible (SHR = 0.75)	179.9	18000
Heat Pump + Auxiliary(0.0kW)	148.9	24000	Latent	722.2	6000
			Total (Electric Heat Pump)	221.4	24000

WINTER CALCULATIONS

Winter Heating Load (for 720 sqft)

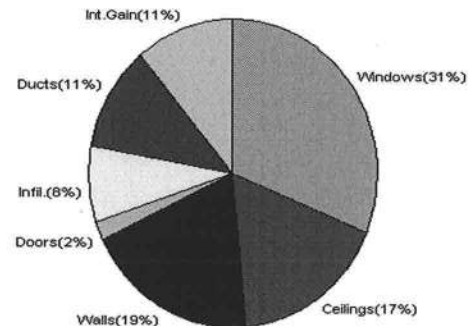
Load component		Load	
Window total	95 sqft	4464	Btuh
Wall total	852 sqft	2991	Btuh
Door total	21 sqft	272	Btuh
Ceiling total	720 sqft	1306	Btuh
Floor total	108 sqft	4715	Btuh
Infiltration	35 cfm	1400	Btuh
Duct loss		970	Btuh
Subtotal		16117	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		16117	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 720 sqft)

Load component		Load	
Window total	95 sqft	3397	Btuh
Wall total	852 sqft	2110	Btuh
Door total	21 sqft	206	Btuh
Ceiling total	720 sqft	1835	Btuh
Floor total		0	Btuh
Infiltration	16 cfm	301	Btuh
Internal gain		1200	Btuh
Duct gain		959	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		10007	Btuh
Latent gain(ducts)		239	Btuh
Latent gain(infiltration)		592	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		0	Btuh
Total latent gain		831	Btuh
TOTAL HEAT GAIN		10838	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Debra and Braulio Peruyero
13534 S W Tustunuggee Ave
Fort White, FL

Project Title:
Peruyero

Code Only
Professional Version
Climate: North

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

12/17/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	N	80.0	47.0	3759 Btuh
2	1, Clear, Metal, 1.27	W	6.0	47.0	282 Btuh
3	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
Window Total			95(sqft)		4464 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	11.0	852	3.5	2991 Btuh
Wall Total			852		2991 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		21	12.9	272 Btuh
Door Total			21		272Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	19.0	720	1.8	1306 Btuh
Ceiling Total			720		1306Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	108.0 ft(p)	43.7	4715 Btuh
Floor Total			108		4715 Btuh
Envelope Subtotal:					13748 Btuh
Infiltration	Type	ACH X	Volume(cuft) walls(sqft)	CFM=	
	Natural	0.32	6480 852	34.6	1400 Btuh
Ductload	(DLM of 0.064)				970 Btuh
All Zones	Sensible Subtotal All Zones				16117 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	16117 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	16117 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Debra and Braulio Peruyero
13534 S W Tustenuggee Ave
Fort White, FL

Project Title:
Peruyero

Code Only
Professional Version
Climate: North

12/17/2007

EQUIPMENT

1. Electric Heat Pump	#	24000 Btuh
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Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Debra and Braulio Peruyero
13534 S W Tustenuggee Ave
Fort White, FL

Project Title:
Peruyero

Code Only
Professional Version
Climate: North

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

12/17/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	N	80.0	47.0	3759 Btuh
2	1, Clear, Metal, 1.27	W	6.0	47.0	282 Btuh
3	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
	Window Total		95(sqft)		4464 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	11.0	852	3.5	2991 Btuh
	Wall Total		852		2991 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		21	12.9	272 Btuh
	Door Total		21		272Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	19.0	720	1.8	1306 Btuh
	Ceiling Total		720		1306Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	108.0 ft(p)	43.7	4715 Btuh
	Floor Total		108		4715 Btuh
	Zone Envelope Subtotal:				13748 Btuh
Infiltration	Type	ACH X	Volume(cuft) walls(sqft)	CFM=	
	Natural	0.32	6480 852	34.6	1400 Btuh
Ductload	Average sealed, Supply(R6.6-Attic), Return(R6.6-Cond) (DLM of 0.064)				970 Btuh
Zone #1	Sensible Zone Subtotal				16117 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	16117 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	16117 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Debra and Braulio Peruyero
13534 S W Tustenuggee Ave
Fort White, FL

Project Title:
Peruyero

Code Only
Professional Version
Climate: North

12/17/2007

EQUIPMENT

1. Electric Heat Pump	#	24000 Btuh
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Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Debra and Braulio Peruyero
13534 S W Tustenugee Ave
Fort White, FL

Project Title:
Peruyero

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

12/17/2007

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, B-M, N,N	N	6ft.	8ft.	80.0	0.0	80.0	29	29	2341	Btuh
2	1, Clear, 1.27, B-M, N,N	W	2ft.	5ft.	6.0	0.0	6.0	29	70	422	Btuh
3	1, Clear, 1.27, B-M, N,N	W	2ft.	5ft.	9.0	0.0	9.0	29	70	634	Btuh
	Window Total				95 (sqft)					3397 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		11.0/0.09		852.0			2.5		2110 Btuh	
	Wall Total				852 (sqft)					2110 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				21.0			9.8		206 Btuh	
	Door Total				21 (sqft)					206 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		19.0		720.0			2.5		1835 Btuh	
	Ceiling Total				720 (sqft)					1835 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		108 (ft(p))			0.0		0 Btuh	
	Floor Total				108.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									7547 Btuh	
Infiltration	Type		ACH		Volume(cuft) wall area(sqft)			CFM=		Load	
	SensibleNatural		0.15		6480 852			16.2		301 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			0		X 230 +			1200		1200 Btuh	
	Sensible Envelope Load:									9049 Btuh	
Duct load	Average sealed, Supply(R6.6-Attic), Return(R6.6-Cond)							(DGM of 0.106)		959 Btuh	
	Sensible Zone Load									10007 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Debra and Braulio Peruyero
13534 S W Tustenuggee Ave
Fort White, FL

Project Title:
Peruyero

Code Only
Professional Version
Climate: North

12/17/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	9049 Btuh
	Sensible Duct Load	959 Btuh
	Total Sensible Zone Loads	10007 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	10007 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	592 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	239 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	831 Btuh
	TOTAL GAIN	10838 Btuh

EQUIPMENT

1. Central Unit	#	24000 Btuh
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*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

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Project Title:
Peruyero

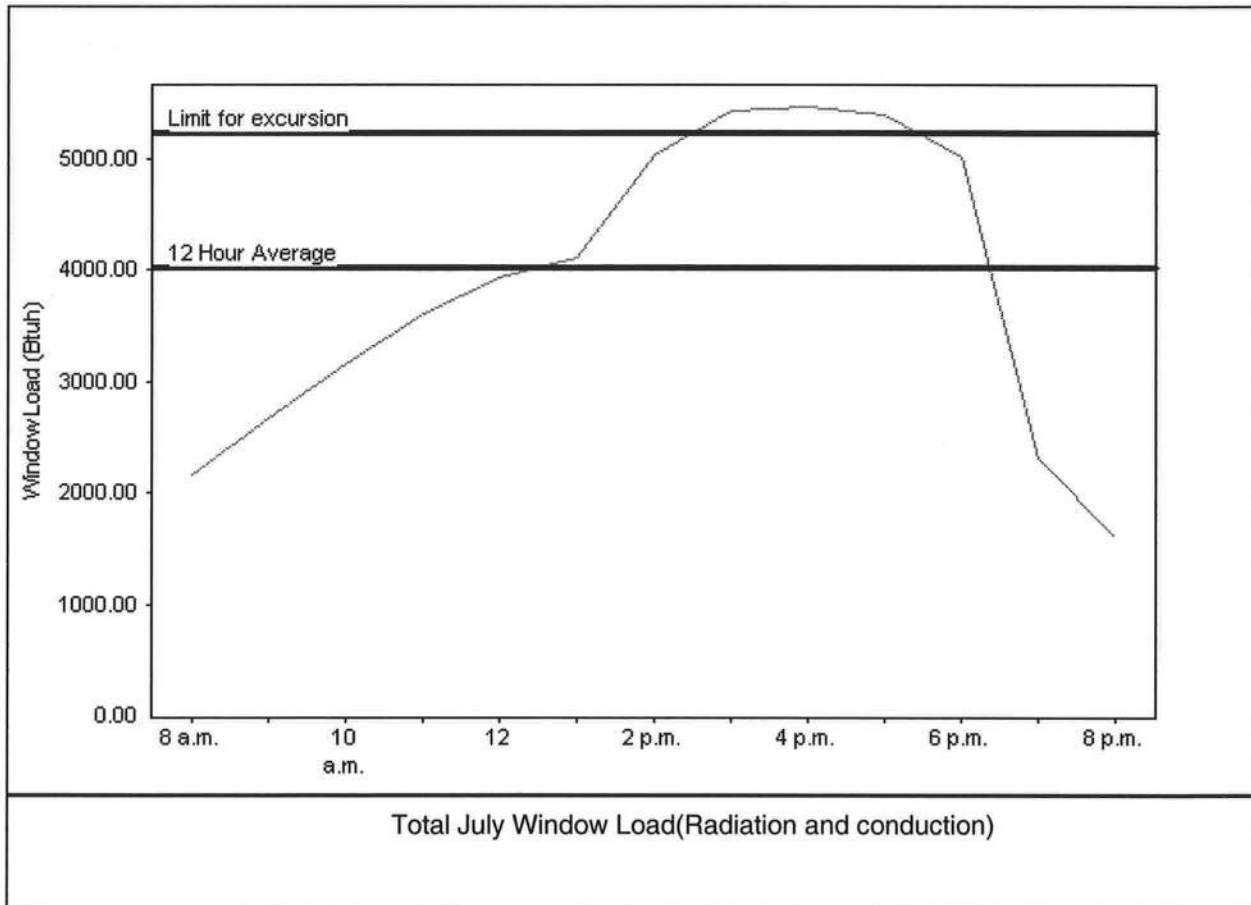
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Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4026 Btuh
Summer setpoint	75 F	Peak window load for July	5465 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	5233 Btuh
Latitude	29 North	Window excursion (July)	232 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2

