

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

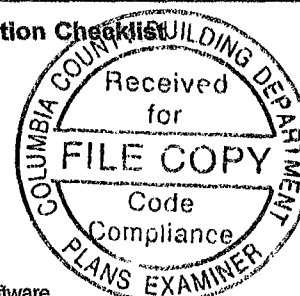
Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Model 1403 Street: Rose Point PL City, State, Zip: Lake City, FL, 32024- Owner: N/A Design Location: FL, Gainesville	Builder Name: Innovative Home Builders Permit Office: Columbia County Permit Number: Jurisdiction:
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Glass/Floor Area: 0.138	Total Proposed Modified Loads: 27.91	PASS
	Total Standard Reference Loads: 34.81	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>NA</u> DATE: <u>4/30/14</u> 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: _____
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- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist

PROJECT

Title: Model 1403	Bedrooms: 3	Address Type: Street Address
Building Type: FLProp2010	Conditioned Area: 1403	Lot #
Owner: N/A	Total Stories: 1	Block/SubDivision:
# of Units: 1	Worst Case: No	PlatBook:
Builder Name: InnovativeHome Builders	Rotate Angle: 0	Street: Rose Point PL
Permit Office: Columbia County	Cross Ventilation: No	County: Columbia
Jurisdiction	Whole House Fan: No	City, State, Zip: Lake City ,
Family Type: Single-family		FL , 32024-
New/Existing: New (From Plans)		
Comment:		

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1403	12627

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	RoomsInBlock1	1403	12627	Yes	3	3	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulation	RoomsInBlock1	177 3 ft	5	1403 ft²	----	0	0 1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor	SA Tested	Emitt	Emitt Tested	Deck Insul	Pitch (deg)
_____	1	Gable or shed	Compositionshingles	1686 ft²	468 ft²	Medium	0.96	No	0 9	No	0	33 7

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Partial cathedral celli	Vented	303	1403 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	RoomsInBlock1	30	1543 ft²	0.11	Wood

WALLS															
✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
_____	1	E	Exterior	Frame - Wood	RoomsInBlock	13	28	8	9		258 ft²		0.23	0.75	0
_____	2	N	Exterior	Frame - Wood	RoomsInBlock	13	39	4	9		354 ft²		0.23	0.75	0
_____	3	W	Exterior	Frame - Wood	RoomsInBlock	13	49	4	9		444 ft²		0.23	0.75	0
_____	4	S	Exterior	Frame - Wood	RoomsInBlock	13	18	6	9		166.5 ft²		0.23	0.75	0
_____	5	E	Garage	Frame - Wood	RoomsInBlock	13	20	10	9		187.5 ft²		0.23	0.01	0
_____	6	S	Garage	Frame - Wood	RoomsInBlock	13	6		9		54 ft²		0.23	0.01	0

DOORS											
✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
_____	1	E	Insulated	RoomsInBlock	None	0.460000	3		6	8	20 ft²
_____	2	E	Insulated	RoomsInBlock	None	0.460000	3		6	8	20 ft²

WINDOWS														
Orientation shown is the entered, Proposed orientation.														
✓	#	Ornt	Wall ID	Frame	Panels	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Separation	Int Shade	Screening
_____	1	E	1	Vinyl	Low-E Double	Yes	0.3	0.5	N	45 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
_____	2	N	2	Vinyl	Low-E Double	Yes	0.3	0.5	N	2.666666	1 ft 0 in	6 ft 0 in	HERS 2006	None
_____	3	N	2	Vinyl	Low-E Double	Yes	0.3	0.5	N	15 ft²	1 ft 0 in	3 ft 0 in	HERS 2006	None
_____	4	W	3	Vinyl	Low-E Double	Yes	0.3	0.5	N	75 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
_____	5	W	3	Vinyl	Low-E Double	Yes	0.3	0.5	N	40 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
_____	6	S	4	Vinyl	Low-E Double	Yes	0.3	0.5	N	16 ft²	1 ft 0 in	5 ft 0 in	HERS 2006	None

GARAGE						
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg Wall Height	Exposed Wall Insulation
_____	1	510.4085 ft²	510.4085 ft²	61.667 ft	9 ft	1

INFILTRATION								
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	BySpaces	Proposed SLA	0.000360	1324.83	72.7315	136.782	0.27719	6.29523

HEATING SYSTEM							
✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump	None	HSPF: 7.7	32.7 kBtu/hr	1	sys#1

COOLING SYSTEM												
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts			
✓	1	Central Unit	None	SEER: 18	32.7 kBtu/hr	981 cfm	0.75	1	sys#1			

HOT WATER SYSTEM									
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	RoomsInBlock	0.92	80 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM							
✓	FSEC	Company Name	System Model#	Collector Model#	Collector Area	Storage Volume	FEF
✓	None	None			ft²		

DUCTS													
✓	#	--- Supply ---	--- Return ---		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF	Heat	Coil	HVAC #
		Location	R-Value	Area	Location	Area							
✓	1	Attic	6	350.75 f	Attic	70.15 ft²	DSE=0.88	Garage	0 0 cfm	0.00 %	0.00	0.60	1 1

TEMPERATURES														
Programable Thermostat: Y				Ceiling Fans										
Cooling	Heating	Venting	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
			[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
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Thermostat Schedule	HERS 2006 Reference	Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
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Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS: Rose Point PL
Lake City, FL, 32024-

PERMIT #:

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	
Ducts	403.2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code.	
	403.3.3	Building framing cavities shall not be used as supply ducts.	
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 80

The lower the EnergyPerformance Index, the more efficient the home.

Rose Point PL, Lake City, FL, 32024-

1 New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2 Single family or multiple family	Single-family	a. Frame - Wood, Exterior	R=13 0	1222.50 ft²
3 Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13 0	241.50 ft²
4. Number of Bedrooms	3	c. N/A	R=	ft²
5. Is this a worst case?	No	d. N/A	R=	ft²
6. Conditioned floor area (ft²)	1403	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30 0	1543.00 ft²
a. U-Factor	DbI, U=0.30	b. N/A	R=	ft²
SHGC	SHGC=0.50	c. N/A	R=	ft²
b. U-Factor:	N/A	11 Ducts	R	ft²
SHGC		a. Sup Attic, Ret Attic, AH. Garage	6	350 75
c. U-Factor	N/A			
SHGC		12 Cooling systems	kBtu/hr	Efficiency
d. U-Factor	N/A	a. Central Unit	32.7	SEER.18.00
SHGC				
Area Weighted Average Overhang Depth	1.413 ft.	13 Heating systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0 500	a. Electric Heat Pump	32 7	HSPF.7.70
8 Floor Types	Insulation	Area		
a. Slab-On-Grade Edge Insulation	R=5 0	1403 00 ft²	Cap	80 gallons
b. N/A	R=	ft²	EF	0 92
c. N/A	R=	ft²		
		15 Credits		Pstat

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: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section 303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

Residential System Sizing Calculation

Summary

N/A
Rose Point PL
Lake City, FL 32024-

Project Title:
Model 1403

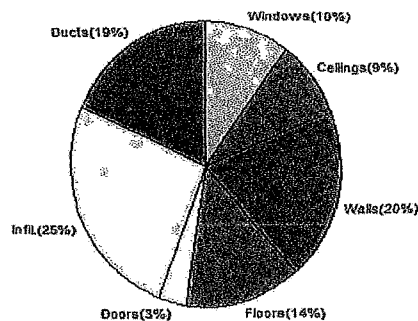
5/1/2014

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature(MJ8 99%)	33 F	Summer design temperature(MJ8 99%)	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	20669 Btuh	Total cooling load calculation	29700 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	158.2 32700	Sensible (SHR = 0.75)	102.2 24525
Heat Pump + Auxilliary(0.0kW)	158.2 32700	Latent	143.3 8175
		Total (Electric Heat Pump)	110.1 32700

WINTER CALCULATIONS

Winter Heating Load (for 1403 sqft)

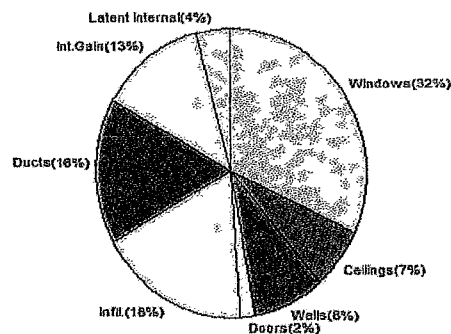
Load component		Load
Window total	194 sqft	2150 Btuh
Wall total	1230 sqft	4040 Btuh
Door total	40 sqft	681 Btuh
Ceiling total	1543 sqft	1818 Btuh
Floor total	1403 sqft	2900 Btuh
Infiltration	130 cfm	5251 Btuh
Duct loss		3829 Btuh
Subtotal		20669 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		20669 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1403 sqft)

Load component		Load
Window total	194 sqft	9480 Btuh
Wall total	1230 sqft	2438 Btuh
Door total	40 sqft	515 Btuh
Ceiling total	1543 sqft	2064 Btuh
Floor total		0 Btuh
Infiltration	97 cfm	1810 Btuh
Internal gain		3780 Btuh
Duct gain		3909 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Blower Load		0 Btuh
Total sensible gain		23996 Btuh
Latent gain(ducts)		951 Btuh
Latent gain(infiltration)		3553 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		1200 Btuh
Total latent gain		5704 Btuh
TOTAL HEAT GAIN		29700 Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: *AK*

DATE: *4/30/14*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

N/A
Rose Point PL
Lake City, FL 32024-

Project Title:
Model 1403
Building Type: User

5/1/2014

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)

Component Loads for Whole House								
Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.50	Vinyl	0.30	E	45.0		11.1	500 Btuh
2	2, NFRC 0.50	Vinyl	0.30	N	2.7		11.1	30 Btuh
3	2, NFRC 0.50	Vinyl	0.30	N	15.0		11.1	166 Btuh
4	2, NFRC 0.50	Vinyl	0.30	W	75.0		11.1	832 Btuh
5	2, NFRC 0.50	Vinyl	0.30	W	40.0		11.1	444 Btuh
6	2, NFRC 0.50	Vinyl	0.30	S	16.0		11.1	178 Btuh
	Window Total				193.7(sqft)			2150 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	193		3.28	634 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	336		3.28	1105 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	329		3.28	1080 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	151		3.28	494 Btuh
5	Frame - Wood	- Adj	(0.089)	13.0/0.0	168		3.28	550 Btuh
6	Frame - Wood	- Adj	(0.089)	13.0/0.0	54		3.28	177 Btuh
	Wall Total				1230(sqft)			4040 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior, n		(0.460)		20		17.0	340 Btuh
2	Insulated - Garage, n		(0.460)		20		17.0	340 Btuh
	Door Total				40(sqft)			681Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shing		(0.032)	30.0/0.0	1543		1.2	1818 Btuh
	Ceiling Total				1543(sqft)			1818Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(0.442)	5.0	177.3 ft(perim.)		16.4	2900 Btuh
	Floor Total				1403 sqft			2900 Btuh
	Envelope Subtotal:							11589 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio		CFM=	Load
	Natural		0.62	12627	1.00		129.6	5251 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)						(DLM of 0.227)	3829 Btuh
All Zones	Sensible Subtotal All Zones							20669 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

N/A
Rose Point PL
Lake City, FL 32024-

Project Title.
Model 1403
Building Type: User

5/1/2014

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	20669 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	20669 Btuh

EQUIPMENT

1. Electric Heat Pump	#	32700 Btuh
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Key Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

N/A
Rose Point PL
Lake City, FL 32024-

Project Title:
Model 1403

5/1/2014

Reference City: Gainesville, FL

Temperature Difference: 17.0F(MJ8 99%)

Humidity difference: 54gr.

Component Loads for Whole House

Window	Type*						Overhang		Window Area(sqft)			HTM		Load
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.50, 0.30	No	No	E	1.5ft.	1.5ft.	45.0	0.0	45.0	16	53	2399 Btuh	
2	2 NFRC	0.50, 0.30	No	No	N	1.0ft.	6.0ft.	2.7	0.0	2.7	16	16	42 Btuh	
3	2 NFRC	0.50, 0.30	No	No	N	1.0ft.	3.0ft.	15.0	0.0	15.0	16	16	234 Btuh	
4	2 NFRC	0.50, 0.30	No	No	W	1.5ft.	1.5ft.	75.0	0.0	75.0	16	53	3998 Btuh	
5	2 NFRC	0.50, 0.30	No	No	W	1.5ft.	1.5ft.	40.0	0.0	40.0	16	53	2132 Btuh	
6	2 NFRC	0.50, 0.30	No	No	S	1.0ft.	5.0ft.	16.0	2.7	13.3	16	20	302 Btuh	
	Excursion													374 Btuh
	Window Total								194 (sqft)					9480 Btuh
Walls	Type					U-Value	R-Value	Area(sqft)		HTM		Load		
							Cav/Sheath							
1	Frame - Wood - Ext					0.09	13.0/0.0	193.0		2.1		403 Btuh		
2	Frame - Wood - Ext					0.09	13.0/0.0	336.3		2.1		702 Btuh		
3	Frame - Wood - Ext					0.09	13.0/0.0	329.0		2.1		686 Btuh		
4	Frame - Wood - Ext					0.09	13.0/0.0	150.5		2.1		314 Btuh		
5	Frame - Wood - Adj					0.09	13.0/0.0	167.5		1.5		253 Btuh		
6	Frame - Wood - Adj					0.09	13.0/0.0	54.0		1.5		81 Btuh		
	Wall Total								1230 (sqft)					2438 Btuh
Doors	Type							Area (sqft)		HTM		Load		
1	Insulated - Exterior							20.0		12.9		258 Btuh		
2	Insulated - Garage							20.0		12.9		258 Btuh		
	Door Total								40 (sqft)					515 Btuh
Ceilings	Type/Color/Surface					U-Value	R-Value	Area(sqft)		HTM		Load		
1	Vented Attic/Light/Shingle					0.032	30.0/0.0	1543.0		1.34		2064 Btuh		
	Ceiling Total								1543 (sqft)					2064 Btuh
Floors	Type					R-Value		Size		HTM		Load		
1	Slab On Grade					5.0		1403 (ft-perimeter)		0.0		0 Btuh		
	Floor Total								1403.0 (sqft)					0 Btuh
	Envelope Subtotal:													14497 Btuh
Infiltration	Type					Average ACH	Volume(cuft)		Wall Ratio		CFM=		Load	
	Natural					0.46	12627		1		97.2		1810 Btuh	
Internal gain					Occupants		Btuh/occupant		Appliance		Load			
					6		X 230		+		2400		3780 Btuh	
	Sensible Envelope Load:													20087 Btuh
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)										(DGM of 0.195)		3909 Btuh	
	Sensible Load All Zones													23996 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

N/A
Rose Point PL
Lake City, FL 32024-

Project Title:
Model 1403

Climate:FL_GAINESVILLE_REGIONAL_A

5/1/2014

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	20087 Btuh
	Sensible Duct Load	3909 Btuh
	Total Sensible Zone Loads	23996 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	23996 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3553 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	951 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5704 Btuh
	TOTAL GAIN	29700 Btuh

EQUIPMENT

1. Central Unit	#	32700 Btuh
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*Key: Window types (Panels - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds. Assume medium color, half closed
For Draperies. Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)



Version 8