

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

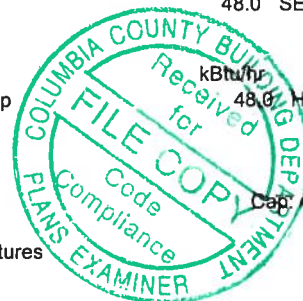
Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Georgetown Model Street: City, State, Zip: Lake City, FL, 32024 Owner: Spec House Design Location: FL, Gainesville	Builder Name: Aaron Simque Homes Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
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1. New construction or existing New (From Plans) 2. Single family or multiple family Single-family 3. Number of units, if multiple family 1 4. Number of Bedrooms 4 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 2246 Conditioned floor area below grade (ft²) 0 7. Windows (347.1 sqft.) Description Area a. U-Factor: Dbl, U=0.33 347.08 ft² SHGC: SHGC=0.22 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: d. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 4.799 ft. Area Weighted Average SHGC: 0.220 8. Floor Types (2246.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 2246.00 ft² b. N/A R= ft² c. N/A R= ft²	9. Wall Types (2034.8 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1716.80 ft² b. Frame - Wood, Adjacent R=13.0 318.00 ft² c. N/A R= ft² d. N/A R= ft² 10. Ceiling Types (2246.0 sqft.) Insulation Area a. Under Attic (Vented) R=30.0 2246.00 ft² b. N/A R= ft² c. N/A R= ft² 11. Ducts R ft² a. Sup: Attic, Ret: Attic, AH: Garage 8 436.8 12. Cooling systems kBtu/hr Efficiency a. Central Unit 48.0 SEER:15.00 13. Heating systems kBtu/hr Efficiency a. Electric Heat Pump 48.0 HSPF:8.50 14. Hot water systems Cap Gallons a. Electric 40 EF: 0.920 b. Conservation features None 15. Credits CF, Pstat
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Glass/Floor Area: 0.155	Total Proposed Modified Loads: 54.82	PASS
	Total Baseline Loads: 63.15	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: _____ 5-16-18 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 certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

PROJECT

Title:	Georgetown Model	Bedrooms:	4	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	2246	Lot #	
Owner Name:	Spec House	Total Stories:	1	Block/Subdivision:	Preserves
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Aaron Simque Homes	Rotate Angle:	0	Street:	
Permit Office:	Columbia County	Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

BLOCKS

Number	Name	Area	Volume
1	Block1	2246	20214

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2246	20214	Yes	6	4	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	229 ft	0	2246 ft²	---	0.33	0.33	0.34

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	2601 ft²	0 ft²	Medium	0.85	No	0.9	No	0	30.3

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2246 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	2246 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	N	Exterior	Frame - Wood	Main	13	20	2	9		181.5 ft²	0.625	0.23	0.75	0
___	2	N	Exterior	Frame - Wood	Main	13	26	2	9		235.5 ft²	0.625	0.23	0.75	0
___	3	W	Exterior	Frame - Wood	Main	13	9		9		81.0 ft²	0.625	0.23	0.75	0
___	4	N	Exterior	Frame - Wood	Main	13	3		9		27.0 ft²	0.625	0.23	0.75	0
___	5	W	Exterior	Frame - Wood	Main	13	5	4	9		48.0 ft²	0.625	0.23	0.75	0
___	6	N	Exterior	Frame - Wood	Main	13	9	2	9		82.5 ft²	0.625	0.23	0.75	0
___	7	E	Exterior	Frame - Wood	Main	13	53	8	9		483.0 ft²	0.625	0.23	0.75	0
___	8	S	Exterior	Frame - Wood	Main	13	13	6	9		121.5 ft²	0.625	0.23	0.75	0
___	9	E	Exterior	Frame - Wood	Main	13	5	4	10		53.3 ft²	0.625	0.23	0.75	0
___	10	S	Exterior	Frame - Wood	Main	13	12		10		120.0 ft²	0.625	0.23	0.75	0
___	11	W	Exterior	Frame - Wood	Main	13	31	6	9		283.5 ft²	0.625	0.23	0.75	0
___	12	S	Garage	Frame - Wood	Main	13	35	4	9		318.0 ft²	0.625	0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
___	1	S	Insulated	Main	None	.4	3		6	8	20 ft²
___	2	S	Insulated	Main	None	.4	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
___	1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	1 ft 6 in	1 ft 4 in	None	None
___	2	N	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	96.0 ft²	10 ft 6 in	1 ft 4 in	None	None
___	3	N	6	Vinyl	Low-E Double	Yes	0.33	0.22	N	6.8 ft²	1 ft 6 in	1 ft 4 in	None	None
___	4	E	7	Vinyl	Low-E Double	Yes	0.33	0.22	N	72.0 ft²	1 ft 6 in	1 ft 4 in	None	None
___	5	S	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	6 ft 10 in	1 ft 4 in	None	None
___	6	S	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	13.3 ft²	8 ft 2 in	1 ft 4 in	None	None
___	7	S	10	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	1 ft 6 in	1 ft 4 in	None	None
___	8	W	11	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
___	9	W	11	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	1 ft 6 in	1 ft 4 in	None	None

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___	1	527.64122778 ft²	527.64122778 ft²	64 ft	8 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1684.5	92.48	173.92	.2202	5

HEATING SYSTEM

☒	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
☐	1	Electric Heat Pump/	None	HSPF:8.5	48 kBtu/hr	1	sys#1

COOLING SYSTEM

☒	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
☐	1	Central Unit/	None	SEER: 15	48 kBtu/hr	1440 cfm	0.8	1	sys#1

HOT WATER SYSTEM

☒	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
☐	1	Electric	None	Garage	0.92	40 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

☒	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
☐	None	None			ft ²		

DUCTS

☒	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
☐	1	Attic	8	436.8 ft	Attic	109.2 ft	Prop. Leak Free	Garage	--- cfm	67.4 cfm	0.03	0.50	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	☐ Jan	☐ Feb	☐ Mar	☐ Apr	☐ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☐ Oct	☐ Nov	☐ Dec
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☐ Oct	☒ Nov	☒ Dec
Venting	☐ Jan	☐ Feb	☒ Mar	☒ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☒ Oct	☒ Nov	☐ Dec

FORM R405-2017

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Georgetown Model

Lake City, FL 32024

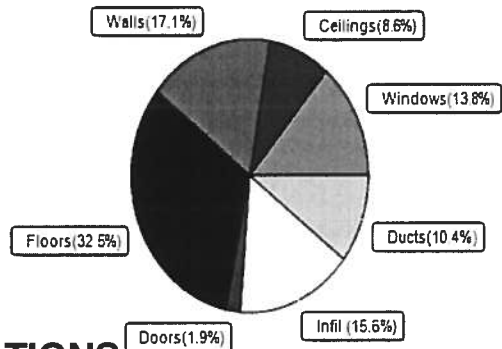
5/17/2018

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(51gr.)					
Winter design temperature(TMY3 99%)	30	F	Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	19	F
Total heating load calculation	33239	Btuh	Total cooling load calculation	25426	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	144.4	48000	Sensible (SHR = 0.80)	185.9	38400
Heat Pump + Auxiliary(0.0kW)	144.4	48000	Latent	201.3	9600
			Total (Electric Heat Pump)	188.8	48000

WINTER CALCULATIONS

Winter Heating Load (for 2246 sqft)

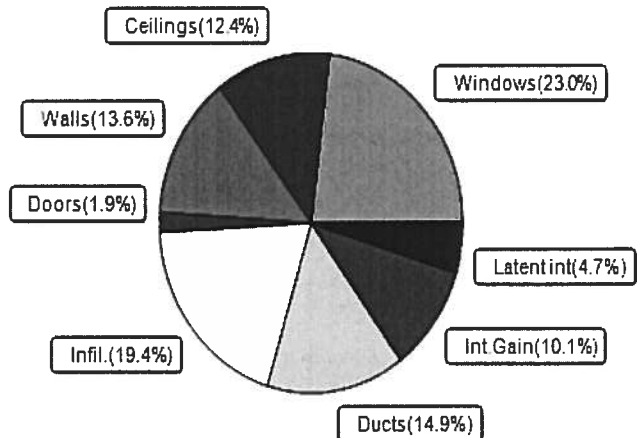
Load component		Load	
Window total	347 sqft	4582	Btuh
Wall total	1648 sqft	5682	Btuh
Door total	40 sqft	640	Btuh
Ceiling total	2246 sqft	2861	Btuh
Floor total	2246 sqft	10809	Btuh
Infiltration	119 cfm	5197	Btuh
Duct loss		3469	Btuh
Subtotal		33239	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		33239	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2246 sqft)

Load component		Load	
Window total	347 sqft	5849	Btuh
Wall total	1648 sqft	3455	Btuh
Door total	40 sqft	480	Btuh
Ceiling total	2246 sqft	3147	Btuh
Floor total		0	Btuh
Infiltration	89 cfm	1851	Btuh
Internal gain		2580	Btuh
Duct gain		3295	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		20658	Btuh
Latent gain(ducts)		496	Btuh
Latent gain(infiltration)		3072	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		4768	Btuh
TOTAL HEAT GAIN		25426	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

5-16-18

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Lake City, FL 32024

Project Title:
Georgetown Model
Building Type: User

5/17/2018

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 40.0 F (TMY3 99%)

Component Loads for Whole House								
Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.22	Vinyl	0.33	N	36.0		13.2	475 Btuh
2	2, NFRC 0.22	Vinyl	0.33	N	96.0		13.2	1267 Btuh
3	2, NFRC 0.22	Vinyl	0.33	N	6.8		13.2	89 Btuh
4	2, NFRC 0.22	Vinyl	0.33	E	72.0		13.2	950 Btuh
5	2, NFRC 0.22	Vinyl	0.33	S	36.0		13.2	475 Btuh
6	2, NFRC 0.22	Vinyl	0.33	S	13.3		13.2	176 Btuh
7	2, NFRC 0.22	Vinyl	0.33	S	36.0		13.2	475 Btuh
8	2, NFRC 0.22	Vinyl	0.33	W	15.0		13.2	198 Btuh
9	2, NFRC 0.22	Vinyl	0.33	W	36.0		13.2	475 Btuh
	Window Total					347.1(sqft)		4582 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.086)	13.0/0.6	146		3.45	502 Btuh
2	Frame - Wood	- Ext	(0.086)	13.0/0.6	140		3.45	481 Btuh
3	Frame - Wood	- Ext	(0.086)	13.0/0.6	81		3.45	279 Btuh
4	Frame - Wood	- Ext	(0.086)	13.0/0.6	27		3.45	93 Btuh
5	Frame - Wood	- Ext	(0.086)	13.0/0.6	48		3.45	166 Btuh
6	Frame - Wood	- Ext	(0.086)	13.0/0.6	76		3.45	261 Btuh
7	Frame - Wood	- Ext	(0.086)	13.0/0.6	411		3.45	1417 Btuh
8	Frame - Wood	- Ext	(0.086)	13.0/0.6	52		3.45	180 Btuh
9	Frame - Wood	- Ext	(0.086)	13.0/0.6	53		3.45	184 Btuh
10	Frame - Wood	- Ext	(0.086)	13.0/0.6	84		3.45	290 Btuh
11	Frame - Wood	- Ext	(0.086)	13.0/0.6	233		3.45	802 Btuh
12	Frame - Wood	- Adj	(0.086)	13.0/0.6	298		3.45	1028 Btuh
	Wall Total					1648(sqft)		5682 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)		20		16.0	320 Btuh
2	Insulated - Garage,	n	(0.400)		20		16.0	320 Btuh
	Door Total					40(sqft)		640Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shing		(0.032)	30.0/0.0	2246		1.3	2861 Btuh
	Ceiling Total					2246(sqft)		2861Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	229.0 ft(perim.)		47.2	10809 Btuh
	Floor Total					2246 sqft		10809 Btuh
	Envelope Subtotal:							24574 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio		CFM=	Load
	Natural		0.35	20214	1.00		118.7	5197 Btuh
Duct load	Extremely sealed, R8.0, Supply(Att), Return(Att) (DLM of 0.117)							3469 Btuh
EnergyGauge® / USBC7B v6.0								

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Georgetown Model
Building Type: User

Lake City, FL 32024

5/17/2018

All Zones	Sensible Subtotal All Zones	33239 Btuh
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WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	33239 Btuh 0 Btuh 33239 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	48000 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

Spec House

Project Title:
Georgetown Model

Lake City, FL 32024

5/17/2018

Reference City: Gainesville, FL

Temperature Difference: 19.0F(TMY3 99%)

Humidity difference: 51gr.

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	0.22, 0.33	No	No	N		1.5ft	1.3ft	36.0	0.0	36.0	11	11	392	Btuh
2	2 NFRC	0.22, 0.33	No	No	N		10.5f	1.3ft	96.0	0.0	96.0	11	11	1046	Btuh
3	2 NFRC	0.22, 0.33	No	No	N		1.5ft	1.3ft	6.8	0.0	6.8	11	11	74	Btuh
4	2 NFRC	0.22, 0.33	No	No	E		1.5ft	1.3ft	72.0	0.0	72.0	11	27	1979	Btuh
5	2 NFRC	0.22, 0.33	No	No	S		6.8ft	1.3ft	36.0	36.0	0.0	11	13	392	Btuh
6	2 NFRC	0.22, 0.33	No	No	S		8.2ft	1.3ft	13.3	13.3	0.0	11	13	145	Btuh
7	2 NFRC	0.22, 0.33	No	No	S		1.5ft	1.3ft	36.0	36.0	0.0	11	13	392	Btuh
8	2 NFRC	0.22, 0.33	No	No	W		1.5ft	1.3ft	15.0	0.0	15.0	11	27	412	Btuh
9	2 NFRC	0.22, 0.33	No	No	W		1.5ft	1.3ft	36.0	0.0	36.0	11	27	989	Btuh
	Excursion													27	Btuh
	Window Total								347 (sqft)					5849 Btuh	
Walls	Type	U-Value		R-Value		Area(sqft)			HTM		Load				
1	Frame - Wood - Ext		0.09		13.0/0.6			145.5			2.2			320	Btuh
2	Frame - Wood - Ext		0.09		13.0/0.6			139.5			2.2			307	Btuh
3	Frame - Wood - Ext		0.09		13.0/0.6			81.0			2.2			178	Btuh
4	Frame - Wood - Ext		0.09		13.0/0.6			27.0			2.2			59	Btuh
5	Frame - Wood - Ext		0.09		13.0/0.6			48.0			2.2			106	Btuh
6	Frame - Wood - Ext		0.09		13.0/0.6			75.8			2.2			167	Btuh
7	Frame - Wood - Ext		0.09		13.0/0.6			411.0			2.2			904	Btuh
8	Frame - Wood - Ext		0.09		13.0/0.6			52.2			2.2			115	Btuh
9	Frame - Wood - Ext		0.09		13.0/0.6			53.3			2.2			117	Btuh
10	Frame - Wood - Ext		0.09		13.0/0.6			84.0			2.2			185	Btuh
11	Frame - Wood - Ext		0.09		13.0/0.6			232.5			2.2			511	Btuh
12	Frame - Wood - Adj		0.09		13.0/0.6			298.0			1.6			488	Btuh
	Wall Total								1648 (sqft)					3455 Btuh	
Doors	Type	Area (sqft)		HTM		Load									
1	Insulated - Exterior		20.0		12.0		240 Btuh								
2	Insulated - Garage		20.0		12.0		240 Btuh								
	Door Total						40 (sqft)						480 Btuh		
Ceilings	Type/Color/Surface	U-Value		R-Value		Area(sqft)		HTM		Load					
1	Vented Attic/Light/Shingle		0.032		30.0/0.0		2246.0		1.40		3147 Btuh				
	Ceiling Total						2246 (sqft)				3147 Btuh				
Floors	Type	R-Value		Size		HTM		Load							
1	Slab On Grade		0.0		2246 (ft-perimeter)		0.0		0 Btuh						
	Floor Total						2246.0 (sqft)				0 Btuh				
	Envelope Subtotal:											12932 Btuh			

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Georgetown Model

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024

5/17/2018

Infiltration	Type Natural	Average ACH 0.26	Volume(cuft) 20214	Wall Ratio 1	CFM= 89.0	Load 1851 Btuh
Internal gain		Occupants 6	Btuh/occupant X 230	Appliance +	1200	Load 2580 Btuh
	Sensible Envelope Load:					17363 Btuh
Duct load	Extremely sealed, Supply(R8.0-Attic), Return(R8.0-Attic) (DGM of 0.190)					3295 Btuh
	Sensible Load All Zones					20658 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Georgetown Model

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024

5/17/2018

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17363 Btuh
	Sensible Duct Load	3295 Btuh
	Total Sensible Zone Loads	20658 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	20658 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3072 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	496 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4768 Btuh
	TOTAL GAIN	25426 Btuh

EQUIPMENT

1. Central Unit	#	48000 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