FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: 179 SW GreenwoodTerr Street: 179 SW GreenwoodTerrace City, State, Zip: Ft White , FL , Owner: N/A Design Location: FL, Gainesville	Builder Name: Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
 New construction or existing Single family or multiple family Number of units, if multiple family Number of Bedrooms Is this a worst case? Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) 0 	10. Wall Types(1575.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 11. Ceiling Types (1628.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A R= ft² Insulation R=38.0 1628.00 ft² R=38.0 R=38.0
7. Windows (165.0 sqft.) Description Area a. U-Factor: Dbl, U=0.36 165.00 ft² SHGC: SHGC=0.25 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft²	a. Sup: Attic, Ret: Attic, AH: Main 6 387.5 13. Cooling systems kBtu/hr Efficiency a. Central Unit 17.7 SEER:14.00
SHGC: Area Weighted Average Overhang Depth: 3.439 ft. Area Weighted Average SHGC: 0.250 8. Skylights Area c. U-Factor:(AVG) N/A ft² SHGC(AVG): N/A	14. Heating systems kBtu/hr Efficiency a. Electric Heat Pump 25.2 HSPF:8.20 15. Hot water systems a. Electric Cap: 40 gallons
9. Floor Types (1550.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 1550.00 ft² b. N/A R= ft² c. N/A R= ft²	b. Conservationfeatures None 16. Credits EF: 0.920 CV, Pstat
Glass/Floor Area: 0.106 Total Proposed Modifie Total Baseline	PASS
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: 8 / 2 / 2022 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.

- 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).

INPUT SUMMARY CHECKLIST REPORT

				PROJE	СТ							
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	179 SW Greenwood User N/A 1 Columbia County Detached New (From Plans)	od Terr	Bedrooms: Conditioned Total Stories Worst Case Rotate Angl Cross Venti Whole Hous	s: : e: lation:	4 1550 1 No 0 Yes No		Lot# Block PlatB Stree Cour	k/Subdivis Book: et:	sion: 17 Ce	reet Addre 79 SW Gre olumbia : White ,		d⊤er
				CLIMA	TE							
	sign Location	TMY Site	PECI	97.	esign Temp 5 % 2.5 %		esign Tem er Summ 75	ner Deg	eating ree Days 305.5	Design Moistu	re Ra	/ Temp
FL	, Gainesville F	L_GAINESVILLE	:_REGI			70	75	- '	305.5	51	IVI	edium
Nemeles	None	A	Malana	BLOCK	15							
Number 1	Name Block1	Area 1550	Volume 13950									
'	BIOCKT	1000	10000	SPACE	= 9							
Number	Name	Area	Volume K		Occupants	Bedroo	ime li	nfil ID	Finished	d Cod	aled	Heate
1	Main	1550	13950	Yes	4	4	1		Yes	Yes		Yes
				FLOOF	RS							
√ #	Floor Type	Space	Perin	neter	R-Value	Area				Tile W	ood Ca	arpet
1 Sla	ab-On-Grade Edge Ins	ulation M	ain 183	ft	0	1550 ft²				0	0	1
				ROO	F							
√ #	Туре	Materials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Hip C	Composition shing	les 1863 ft²	0 ft²	Medium	Υ	0.96	No	0.9	No	0	33.69
				ATTIC								
√ #	Туре	Ventil	ation	Vent Ratio	o (1 in)	Area	RBS	IR	cc			
1	Partial cathedral ce	eili Ven	ted	300	1	550 ft²	Υ	١	N			
				CEILIN	IG							
√ #	Ceiling Type		Space	R-Value	e Ins Ty	ре	Area	Fran	ning Frac	c Truss	Туре	
	Under Attic (Vente		Main	38	Double B		1628 ft²		0.11	We	_	

INPUT SUMMARY CHECKLIST REPORT

						WA	LLS							
V #	Ornt	Adja To	icent Wali	I Туре	Space	Cavity R-Value	Wid Ft	th In	Height Ft In	Area	Sheathin	g Framing Fraction	Solar Absor.	Below Grade%
1	S	Exteri		ime - Wood	Main	13	28	2	9	253.5 ft ²	- It value	0.23	0.75	0
2	Е	Exteri	or Fra	ime - Wood	Main	13	29	4	9	264.0 ft ²		0.23	0.75	0
3	Ν	Exteri	or Fra	ime - Wood	Main	13	13	0	9	117.0 ft ²		0.23	0.75	0
4	Ν	Exteri	or Fra	ime - Wood	Main	13	13	2	9	118.5 ft ²		0.23	0.75	0
5	Е	Exteri	or Fra	ime - Wood	Main	13	8	0	9	72.0 ft ²		0.23	0.75	0
6	Ν	Exteri	or Fra	ime - Wood	Main	13	12	0	9	108.0 ft ²		0.23	0.75	0
7	W	Exteri	or Fra	ime - Wood	Main	13	8		9	72.0 ft ²		0.23	0.75	0
8	Ν	Exteri	or Fra	ime - Wood	Main	13	12	8	9	114.0 ft ²		0.23	0.75	0
9	W	Exteri	or Fra	ime - Wood	Main	13	28	4	9	255.0 ft ²		0.23	0.75	0
10	S	Gara	ge Fra	ime - Wood	Main	13	22	4	9	201.0 ft ²		0.23	0.75	0
						DO	ORS							
\checkmark	#	0	rnt	Door Type	Space			Storms	U-Val	ue F	Width t In	Heigh Ft	t In	Area
	1	,	3	Insulated	Main			None	.46	3	3	6	8	20 ft ²
	2		3	Insulated	Main			None	.46	3	3	6	8	20 ft²
WINDOWS Orientation shown is the entered, Proposed orientation.														
/		Wa	ill								rhang			
V	#	Ornt ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Depth	Separation	Int Sha	ide	Screenin
	1	S 1	Vinyl	Low-E Double	Yes	0.36	0.25	N	60.0 ft ²	1 ft 6 in	1 ft 0 in	None	е	None
	2	E 2	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²	1 ft 6 in	1 ft 0 in	None	Э	None
	3	N 3	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft ²	1 ft 6 in	1 ft 0 in	None		None
	4	N 4	TIM	Low-E Double	Yes	0.36	0.25	N	40.0 ft ²	9 ft 6 in	1 ft 0 in	None	Э	None
	5	N 6	Vinyl	Low-E Double	Yes	0.36	0.25	N	12.0 ft ²	1 ft 6 in	1 ft 0 in	Drapes/b	olinds	None
	6	N 8	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft ²	1 ft 6 in	1 ft 0 in	None	Э	None
	7	W 9	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft ²	1 ft 6 in	1 ft 0 in	None	Э	None
						GAF	RAGE							
\vee	#	FI	oor Area	Ceiling	g Area	Exposed V	Vall Peri	meter	Avg. W	/all Height	Expos	sed Wall Ins	sulation	
	1	468.	458889 ft	² 468.458	889 ft²	62.	667 ft		9	9 ft		1		
						INFILT	RATIC	N						
# 5	Scope		Method		SLA	CFM 50	ELA		EqLA	ACH	AC	H 50		
	-								-					

INPUT SUMMARY CHECKLIST REPORT

					HEAT	ING SYS	TEM						
$\sqrt{}$	# Sy	ystem Type		Subtype	Spe	ed	Efficienc	y Ca	pacity			Block	Ducts
	1 EI	ectric Heat Pur	mp/	None	Sing	gle	HSPF:8.2	2 25.24	kBtu/hr			1	sys#1
					COOL	ING SYS	TEM						
\bigvee	# Sy	ystem Type		Subtype	Sub	type	Efficiency	Capacity	Air	Flow	SHR	Block	Ducts
	1 Ce	entral Unit/		None	Sing	gle :	SEER: 14	17.67 kBtu/	hr 540	cfm	0.7	1	sys#1
					HOT W	ATER SY	STEM						
$\sqrt{}$	#	System Type	SubType	Location	n EF	Ca	ıp	Use	SetPnt		Сс	onservatio	n
	1	Electric	None	Garage	0.92	40 զ	gal	30 gal	120 deg			None	
				SC	DLAR HO	T WATER	SYST	ΞM					
\checkmark	FSEC Cert #	Company Na	ame		System	Model#	Co	ollector Mode		ollector Area	Stor Volu	rage ume	FEF
	None	None								ft²			
						DUCTS							
\checkmark	#	Supp Location R-		F Locatio	Return on Area	Leaka	geType	Air Handler	CFM 25 TOT	CFM25 OUT	5 QN	RLF	HVAC #
	1	Attic	6 387.5 f	t ² Attic	77.5 ft²	Default	Leakage	Main	(Default)	c(Defaul	t) c		1 1
					TEMI	PERATU	RES						
Program	nableTherr	nostat: Y			Ceiling Fans	:							
Cooling Heating Venting	[] Jar [X] Jar [] Jar	າ [X] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	[] May [] May [] May	[X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Se [] Se [] Se	p [X	Oct Oct Oct	[] Nov [X] Nov [X] Nov	[] Dec [X] Dec [] Dec
Thermosta		e: HERS 200	06 Reference			_		ours _	_	_			
Schedule -			1	2 3		5	6	7	8	9	10	11	12
Cooling (W	/D)	AM PM	78 80	78 78 80 78	3 78 3 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (W	/EH)	AM PM	78 78	78 78 78 78	3 78 3 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (W	VD)	AM PM	66 68	66 66 68 68	66 3 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
Heating (W	VEH)	AM PM	66 68	66 66 68 68		66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
		1 101	00		IECHANIC				00	00	00	00	00
Гуре		Sı	upply CFM	Exhaust C	FM Fan Wa	atts HRV	Heatin	g System		Run Time	e Co	oling Syst	em
Runtime V	ent		20	0		0	1 - Electric	Heat Pump		%	1 - Ce	entral Unit	
						MASS							
	ass Type			Area		Thickness		Furniture Fra	ction		pace		
	efault(8 lbs	·		0 ft²		0 ft		0.3			1st Floor		
D€	efault(8 lbs	s/sq.ft.		0 ft²		0 ft		0.3		2	2nd Floo	r	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 99

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

179 SW Greenwood Terrace, Ft White, FL,

1.	New construction or exis	sting	New (Fr	om Plans)	Wall Type and Insulation	Insulation	Area
2.	Single family or multiple	family	Detache	ed	a. Frame - Wood, Exterior	R=13.0	1374.00 ft ²
3.	Number of units, if multi	ple family	1		b. Frame - Wood, Adjacent c. N/A	R=13.0 R=	201.00 ft ² ft ²
4.	Number of Bedrooms		4		d. N/A	R=	ft²
5.	Is this a worst case?		No		 Ceiling Type and insulation level a. Under Attic (Vented) 	Insulation R=38.0	Area 1628.00 ft²
6.	Conditioned floor area (fl	²)	1550		b. N/A	R=	ft²
7.	Windows** a. U-Factor: SHGC:	Description Dbl, U=0.36 SHGC=0.25		Area 165.00 ft²	c. N/A 12. Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Main	R=	ft² R ft² 6 387.5
	b. U-Factor:	N/A		ft²			
	SHGC: c. U-Factor: SHGC:	N/A		ft²	13. Cooling systems a. Central Unit	kBtu/hr 17.7	Efficiency SEER:14.00
	d. U-Factor: SHGC:	N/A		ft²	14. Heating systems a. Electric Heat Pump	kBtu/hr 25.2	Efficiency HSPF:8.20
	Area Weighted Average Area Weighted Average	• .		3.439 ft. 0.250	a. Zioonio rioani amp	_0	
	8. Skylights a. U-Factor(AVG): SHGC(AVG):	Description N/A N/A		Area ft²	Hot water systems a. Electric b. Conservationfeatures	Ca	ip: 40 gallons EF: 0.92
	9. Floor Types		Insulation	Area	None		
	a. Slab-On-Grade Edgb. N/Ac. N/A	e Insulation	R=0.0 R= R=	1550.00 ft ² ft ² ft ²	Credits (Performance method)		CV, 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:	GRE
Address of New Home:	City/FL Zip:	* A COD WE I



*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 Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

^{**}Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

Envelope Leakage Test Report (Blower Door Test) Residential Prescriptive, Performance or ERI Method Compliance 2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:							
Job Information								
Builder: Community:	Lot: NA							
Address: 179 SW Greenwood Terrace								
City: Ft White State	e: FL Zip:							
Air Leakage Test Results Passing results must meet	either the Performance, Prescriptive, or ERI Method							
PRESCRIPTIVE METHOD-The building or dwelling unit shall be test changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Clim								
PERFORMANCE or ERI METHOD-The building or dwelling unit sha the selected ACH(50) value, as shown on Form R405-2020 (Performance) ACH(50) specified on Form R405-2020-Energy Cal								
Testing Testing shall be conducted in accordance with ANSI/R								
R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7F/orida Statues.or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to theode official. Testing shall be performed at any time after creation of all penetrations of the intended weatherstripping or other infiltration control weasures. 1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures. 2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures. 3. Interior doors, if installed at the time of the test, shall be open. 4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed. 5. Heating and cooling systems, if installed at the time of the test, shall be turned off. 6. Supply and return registers, if installed at the time of the test, shall be fully open.								
Testing Company								
Company Name: I hereby verify that the above Air Leakage results are in accorda Energy Conservation requirements according to the compliance								
Signature of Tester:	Date of Test:							
Printed Name of Tester:								
License/Certification #:	Issuing Authority:							

Residential System Sizing Calculation

Summary Project Title:

179 SW Greenwood Terrace Ft White, FL Project Title: 179 SW Greenwood Terr

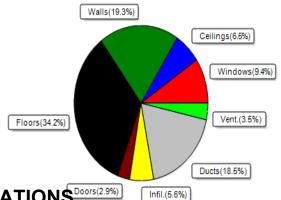
8/2/2022

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)									
Humidity data: Interior RH (50%	Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)								
Winter design temperature(TMY3	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	25242	Btuh	Total cooling load calculation	17675	Btuh				
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh				
Total (Electric Heat Pump)	100.0	25242	Sensible (SHR = 0.70)	86.7	12372				
Heat Pump + Auxiliary(0.0kW)	100.0	25242	Latent	156.0	5302				
			Total (Electric Heat Pump)	100.0	17675				

WINTER CALCULATIONS

Winter Heating Load (for 1550 sqft)

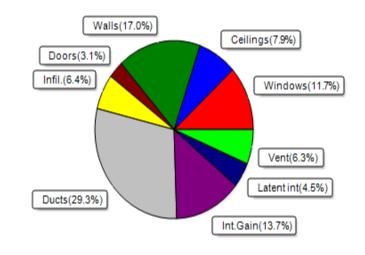
Load component			Load	
Window total	165	sqft	2376	Btuh
Wall total	1370	sqft	4864	Btuh
Door total	40	sqft	736	Btuh
Ceiling total	1628	sqft	1653	Btuh
Floor total	1550	sqft	8638	Btuh
Infiltration	33	cfm	1425	Btuh
Duct loss			4674	Btuh
Subtotal			24366	Btuh
Ventilation	20	cfm	876	Btuh
TOTAL HEAT LOSS			25242	Btuh



SUMMER CALCULATIONS Doors (2.9%)

Summer Cooling Load (for 1550 sqft)

Load component			Load	
Window total	165	sqft	2077	Btuh
Wall total	1370	sqft	2996	Btuh
Door total	40	sqft	552	Btuh
Ceiling total	1628	sqft	1405	Btuh
Floor total			0	Btuh
Infiltration	21	cfm	427	Btuh
Internal gain			2420	Btuh
Duct gain			3984	Btuh
Sens. Ventilation	20	cfm	416	Btuh
Blower Load			0	Btuh
Total sensible gain			14276	Btuh
Latent gain(ducts)			1200	Btuh
Latent gain(infiltration)			708	Btuh
Latent gain(ventilation)	690	Btuh		
Latent gain(internal/occupa	800	Btuh		
Total latent gain	3399	Btuh		
TOTAL HEAT GAIN			17675	Btuh





EnergyGauge® System Sizing PREPARED BY:
DATE: 8 / 2 / 2022

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

N/A 179 SW Greenwood Terrace Ft White, FL Project Title: 179 SW Greenwood Terr Building Type: User

8/2/2022

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

Component Loads for Whole House

1	Window	Panes/Type	Frame	U	Orientation /	Area(sqft) X	HTM=	Load
3	1	2, NFRC 0.25	Vinyl	0.36	S	60.0	14.4	864 Btuh
3	2	2, NFRC 0.25	Vinyl	0.36	E	4.0	14.4	58 Btuh
5 2, NFRC 0.25 Vinyl 0.36 N 30.0 14.4 432 Btuh 432 Btuh 72, NFRC 0.25 Vinyl 0.36 N 30.0 14.4 432 Btuh 432 Btuh 432 Btuh 72, NFRC 0.25 Vinyl 0.36 W 4.0 14.4 58 Btuh 2376 Btuh 14.4 58 Btuh 165.0(sqft) 2376 Btuh 2376 Btuh 14.4 58 Btuh 165.0(sqft) 2376 Btuh 2376 Btuh 14.4 58 Btuh 165.0(sqft) 2376 Btuh 2376 Btuh 165.0(sqft) 2376 Btuh 2376 Btuh 165.0(sqft) 2376 Btuh 2376 Btuh 14.4 58 Btuh 165.0(sqft) 2376 Btuh 2376 Btuh 2376 Btuh 165.0(sqft) 2376 Btuh 2376 B	3	2, NFRC 0.25	Vinyl	0.36	N	15.0	14.4	216 Btuh
6 2, NFRC 0.25 Vinyl 0.36 N 30.0 14.4 58 Btuh 2, NFRC 0.25 Vinyl 0.36 W 4.0 14.4 58 Btuh 2376 Btuh Window Total Walls Type Ornt. Ueff. R-Value (Cav/Sh) 1 Frame - Wood - Ext (0.089) 13.0/0.0 174 3.55 616 Btuh 2 Frame - Wood - Ext (0.089) 13.0/0.0 174 3.55 328 Btuh 3 Frame - Wood - Ext (0.089) 13.0/0.0 102 3.55 328 Btuh 4 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 279 Btuh 5 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 276 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 256 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 341 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 256 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 258 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 288 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 288 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0.0 181 3.0/0	4	2, NFRC 0.25	TIM	0.36	N	40.0	14.4	576 Btuh
Type	5	2, NFRC 0.25	Vinyl	0.36	N	12.0	14.4	173 Btuh
Walls Type Ornt. Ueff. (Cav/Sh) R-Value (Cav/Sh) Area X HTM= Load 1 Frame - Wood - Ext (0.089) 13.0/0.0 174 3.55 616 Btuh 2 Frame - Wood - Ext (0.089) 13.0/0.0 260 3.55 923 Btuh 3 Frame - Wood - Ext (0.089) 13.0/0.0 102 3.55 362 Btuh 4 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 279 Btuh 5 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 355 831 Btuh 1 Insulated - Exterior, 0.040 20 18.4 3.55 4864 Btuh Doors Type Storm Ueff. Area X HTM= Load 1 Insulated - Exterior, 0.460) 20 18.4 368 Btuh 368 Btuh 2 Type/Color/Surface Ueff. R-Value Area X H	6	2, NFRC 0.25	Vinyl	0.36	N	30.0	14.4	432 Btuh
Walls Type Ornt. Ueff. (Cav/Sh) R-Value (Cav/Sh) Area X HTM= (Cav/Sh) 1 Frame - Wood - Ext (0.089) 13.0/0.0 174 3.55 616 Btuh 2 Frame - Wood - Ext (0.089) 13.0/0.0 260 3.55 923 Btuh 3 Frame - Wood - Ext (0.089) 13.0/0.0 102 3.55 362 Btuh 4 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 279 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 891 Btuh 10 Frame - Wood - Ext (0.089) 1	7	2, NFRC 0.25	Vinyl	0.36	W	4.0	14.4	58 Btuh
1		Window Total	-			165.0(sqft)		2376 Btuh
1 Frame - Wood - Ext (0.089) 13.0/0.0 174 3.55 616 Btuh 2 Frame - Wood - Ext (0.089) 13.0/0.0 260 3.55 923 Btuh 3 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 362 Btuh 4 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 279 Btuh 5 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 256 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 643 Btuh 10 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 643 Btuh 11 Insulated - Exterior, n (0.460) 20	Walls	Туре	Ornt. Ue	eff.	R-Value	Area X	HTM=	Load
2 Frame - Wood - Ext (0.089) 13.0/0.0 260 3.55 923 Btuh 3 Frame - Wood - Ext (0.089) 13.0/0.0 102 3.55 362 Btuh 4 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 279 Btuh 5 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Adj (0.089) 13.0/0.0 84 3.55 891 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Insulated - Exterior, n (0.460) 20					(Cav/Sh)			
3	1	Frame - Wood	- Ext (0	.089)	13.0/0.0	174	3.55	616 Btuh
4 Frame - Wood - Ext (0.089) 13.0/0.0 79 3.55 279 Btuh 5 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 341 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Adj (0.089) 13.0/0.0 251 3.55 891 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 11 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 20 18.4 368 Btuh 12 Insulated - Garage, n (0.460) 20 18.4 368 Btuh 20 18.4 368 Btuh <tr< th=""><th>2</th><th>Frame - Wood</th><th>- Ext (0</th><th>.089)</th><th>13.0/0.0</th><th>260</th><th>3.55</th><th>923 Btuh</th></tr<>	2	Frame - Wood	- Ext (0	.089)	13.0/0.0	260	3.55	923 Btuh
5 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 6 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 341 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 891 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 251 3.55 891 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh Wall Total 1370(sqft) 4864 Btuh 4864 Btuh Load 1 1 1 1 1 1 1 1 1 1 368 Btuh 20 18.4 368 Btuh 368 Btuh 1 20 at 38.4 368 Btuh 368 Btuh 1628 sqft) 1628 sqft) 1628 sqft)<	3	Frame - Wood	- Ext (0	.089)	13.0/0.0	102	3.55	362 Btuh
6 Frame - Wood - Ext (0.089) 13.0/0.0 96 3.55 341 Btuh 7 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 891 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh Wall Total 1370(sqft) 4864 Btuh 4864 Btuh 4864 Btuh Doors Type Storm Ueff. Area X HTM= Load 1 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 2 Insulated - Garage, n (0.460) 20 18.4 368 Btuh 2 Total 40(sqft) 736Btuh Ceilings Type/Color/Surface Ueff. R-Value Area X HTM= Load 4 Vented Attic/L/Shing (0.025) 38.0/0.0 1628 1.0 1653 Btuh 5 Slab On	4	Frame - Wood	- Ext (0	.089)	13.0/0.0	79	3.55	279 Btuh
7 Frame - Wood - Ext (0.089) 13.0/0.0 72 3.55 256 Btuh 8 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 891 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 10 Type Notal 1370(sqft) 4864 Btuh 4864 Btuh 11 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 12 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 12 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 13 Type/Color/Surface Ueff. R-Value Area X HTM= 14 Vented Attic/L/Shing (0.025) 38.0/0.0 1628 sqft) 1653 Btuh 15	5	Frame - Wood	- Ext (0	089)	13.0/0.0	72	3.55	256 Btuh
8 Frame - Wood - Ext (0.089) 13.0/0.0 84 3.55 298 Btuh 9 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 891 Btuh 10 Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh Wall Total 1370(sqft) 4864 Btuh 4864 Btuh Doors Type Storm Ueff. Area X HTM= Load 1 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 2 Insulated - Garage, n (0.460) 20 18.4 368 Btuh 368 Btuh 20 18.4 368 Btuh 40(sqft) 736Btuh 736Btuh 1 Vented Attic/L/Shing (0.025) 38.0/0.0 1628 1.0 1653 Btuh 1 Type (Color/Surface Ueff. R-Value Size X HTM= Load Load 1 Type Ueff. R-Value Size X HTM= Load 1 Slab On Grade (1.180) 0.0 183.0 ft(perim.) 47.2 8638 Btuh Floor Total Envelope Subtotal: 18266 Btuh Infiltration Type Wholehouse ACH Volume(cuft)	6	Frame - Wood	- Ext (0	089)	13.0/0.0	96	3.55	341 Btuh
9 Frame - Wood - Ext (0.089) 13.0/0.0 251 3.55 891 Btuh Frame - Wood - Adj (0.089) 13.0/0.0 181 3.55 643 Btuh 4864 Btuh	7	Frame - Wood	- Ext (0	.089)	13.0/0.0	72	3.55	256 Btuh
Type	8	Frame - Wood	- Ext (0	.089)	13.0/0.0	84	3.55	298 Btuh
Wall Total	9	Frame - Wood	- Ext (0	.089)	13.0/0.0	251	3.55	891 Btuh
Doors Type Storm Ueff. Area X HTM= Load 1 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 2 Insulated - Garage, n (0.460) 20 18.4 368 Btuh Door Total 40(sqft) 736Btuh Ceilings Type/Color/Surface Ueff. R-Value Area X HTM= Load 1 Vented Attic/L/Shing (0.025) 38.0/0.0 1628 1.0 1653 Btuh Ceiling Total 1628(sqft) 1653 Btuh 1653 Btuh 1 Slab On Grade (1.180) 0.0 183.0 ft(perim.) 47.2 8638 Btuh 1 Slab On Grade (1.180) 0.0 183.0 ft(perim.) 47.2 8638 Btuh Floor Total Envelope Subtotal: 18266 Btuh Infilitration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att),	10	Frame - Wood	- Adj (0	.089)	13.0/0.0	181	3.55	643 Btuh
1 Insulated - Exterior, n (0.460) 20 18.4 368 Btuh 2 Insulated - Garage, n (0.460) 20 18.4 368 Btuh Door Total 40(sqft) 736Btuh Ceilings Type/Color/Surface Ueff. R-Value Area X HTM= Load Load 1 Vented Attic/L/Shing (0.025) 38.0/0.0 1628 1.0 1653 Btuh 1653 Btuh Ceiling Total 1628(sqft) 1653 Btuh 1 Slab On Grade (1.180) 0.0 183.0 ft(perim.) 47.2 8638 Btuh Floor Total 1550 sqft 8638 Btuh Envelope Subtotal: 18266 Btuh Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh		Wall Total	• •			1370(sqft)		4864 Btuh
2	Doors	Туре	Storm l	Jeff.		Area X	HTM=	Load
Door Total		Insulated - Exte	rior, n (0.	460)		20	18.4	368 Btuh
Ceilings Type/Color/Surface Ueff. R-Value Area X HTM= Load 1 Vented Attic/L/Shing (0.025) 38.0/0.0 1628 1.0 1653 Btuh Ceiling Total 1628(sqft) 1653Btuh 1653Btuh Floors Type Ueff. R-Value Size X HTM= Load Slab On Grade (1.180) 0.0 183.0 ft(perim.) 47.2 8638 Btuh Floor Total 1550 sqft 8638 Btuh Envelope Subtotal: 18266 Btuh Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh	2	Insulated - Gara	ige, n (0.	.460)		20	18.4	368 Btuh
Vented Attic/L/Shing (0.025) 38.0/0.0 1628 1.0 1653 Btuh 1628(sqft) 1653Btuh 1653Bt		Door Total				40(sqft)		736Btuh
Ceiling Total	Ceilings	Type/Color/Surf	ace Ue	eff.			HTM=	
Floors 1 Slab On Grade (1.180) 0.0 183.0 ft(perim.) 47.2 8638 Btuh Floor Total Envelope Subtotal: 18266 Btuh Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh	1	Vented Attic/L/S	hing (0.0	25)	38.0/0.0	1628	1.0	1653 Btuh
1 Slab On Grade (1.180) 0.0 183.0 ft(perim.) 47.2 8638 Btuh Floor Total 1550 sqft 8638 Btuh Envelope Subtotal: 18266 Btuh Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh		Ceiling Total				1628(sqft)		1653Btuh
Floor Total Envelope Subtotal: 18266 Btuh Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh	Floors							
Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh	1			(1.180	0.0		m.) 47.2	
Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh		Floor Total				1550 sqft		8638 Btuh
Infiltration Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh					E	Envelope Subto	tal:	18266 Btuh
Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh						•		
Natural(Adjusted for ventilation) 0.16 13950 1.00 32.6 1425 Btuh Duct load Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.237) 4674 Btuh	Infiltration	Туре	Wholeh	ouse A	ACH Volume(cuft) Wall Ratio	cFM=	
		Natural(Adjusted	for ventilation	on) (0.16 13950	1.00	32.6	1425 Btuh
All Zones Sensible Subtotal All Zones 24366 Btuh	Duct load	Average sealed	, R6.0, Suր	pply(At	t), Return(Att)	(DLM	of 0.237)	4674 Btuh
	All Zones		ones	24366 Btuh				

Manual J Winter Calculations

Residential Load - Component Details (continued) Project Title:

N/A 179 SW Greenwood Terrace Ft White, FL Project Title: 179 SW Greenwood Terr Building Type: User

8/2/2022

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	24366 Btuh 876 Btuh 25242 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	25242 Btuh

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 179 SW Greenwood Terrace Ft White, FL Project Title: 179 SW Greenwood Terr

8/2/2022

Reference City: Gainesville, FL Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

Component Loads for Whole House

	Type* Overhan			hang	Window Area(sqft)			HTM		Load				
Window	Panes	SHGC U	InSh	IS	Ornt	Len	Hgt	Gross		-	Shaded	Unshaded		
1		0.25, 0.36	No	No	S	1.5ft.	1.0ft.	60.0	60.0	0.0	12	14	726	Btuh
2		0.25, 0.36	No	No	Е	1.5ft.	1.0ft.	4.0	1.0	3.0	12	31	105	Btuh
3		0.25, 0.36	No	No	Ν	1.5ft.		15.0	0.0	15.0	12	12	181	
4	2 NFRC	0.25, 0.36	No	No	Ν	9.5ft.	1.0ft.	40.0	0.0	40.0	12	12	484	Btuh
5	2 NFRC	0.25, 0.36	B-L	No	Ν	1.5ft.	1.0ft.	12.0	0.0	12.0	9	9	112	Btuh
6	2 NFRC	0.25, 0.36	No	No	Ν	1.5ft.	1.0ft.	30.0	0.0	30.0	12	12	363	Btuh
7	2 NFRC	0.25, 0.36	No	No	W	1.5ft.	1.0ft.	4.0	1.0	3.0	12	31	105	Btuh
	Windov	v Total					165 (so			qft)			2077	Btuh
Walls	Туре				U	-Value	R-V		Area(sqft)		HTM	Load	
	Cav/Sheath													
1	Frame - \	Nood - Ext			(0.09	13.0		173	3.5		2.3	393	Btuh
2	Frame - \	Nood - Ext			(0.09	13.0		260			2.3	588	Btuh
3	Frame - \	Nood - Ext				0.09	13.0		102			2.3	231	Btuh
4	Frame - \	Wood - Ext			(0.09 13.0/0.0			78	78.5		2.3	178	Btuh
5	Frame - \	Wood - Ext				0.09	13.0		72	.0		2.3	163	Btuh
6	Frame - \	Nood - Ext			(0.09	13.0		96	.0		2.3	217	Btuh
7	Frame - \	Nood - Ext			1	0.09	13.0	/0.0	72	.0		2.3	163	Btuh
8	Frame - \	Nood - Ext			(0.09	13.0	/0.0	84	.0		2.3	190	Btuh
9	Frame - \	Nood - Ext			(0.09	13.0	/0.0	251	.0		2.3	568	Btuh
10	Frame - \	Nood - Adj			(0.09	13.0	/0.0	181	.0		1.7	305	Btuh
	Wall To	otal							1370 (sqft)				2996	Btuh
Doors	Туре								Area	(sqft)		HTM	Load	
1	Insulated	- Exterior							20			13.8	276	Btuh
2		- Garage							20			13.8		Btuh
_	Door To	•								0 (sqft)				Btuh
Ceilings	Type/C	olor/Surf	ace		U	-Value	•	R-Valu	e Area(HTM	Load	
1	Vented Attic/Light/Shingle/RB 0.025					38.0/0.0	162			0.86	1405	Btuh		
	Ceiling Total		50.0/0.0		8 (sqft)		0.00	1405						
Floors		TOLAI					PΙ	/alue				НТМ	Load	Diuii
	Type			R-Value Size							Dist			
1	Slab On Grade			0.0				1550 (ft-perimeter)		0.0		Btuh		
	Floor Total 1550.0 (sqft)								0	Btuh				
	Envelope Subtotal:								7030	Btuh				
nfiltration	nfiltration Type Average ACH Volume(cuft) Wall Ratio CFM=								Load					
		(Adjuste	d for				0.09	VOIG	13950			20.5		Btuh
Internal	···		<u> </u>	. 0110		Occup			Btuh/oc			Appliance	Load	
gain						o a p	4		X 230	-	,	1500		Btuh
5∞	Sensible Envelope Load:								9877					
Duct load	Average sealed, Supply (R6.0-Attic), Return (R6.0-Attic) (DGM of 0.403)							3984	Btuh					
	Sensible Load All Zones								13860					

Manual J Summer Calculations

Residential Load - Component Details (continued)

179 SW Greenwood Terrace Ft White, FL

Climate:FL GAINESVILLE REGIONAL A Project Title: 179 SW Greenwood Terr

8/2/2022

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	9877	Btuh
	Sensible Duct Load	3984	Btuh
	Total Sensible Zone Loads	13860	Btuh
	Sensible ventilation	416	Btuh
	Blower	0	Btuh
Whole House	Total sensible gain	14276	Btuh
Totals for Cooling	Latent infiltration gain (for 51 gr. humidity difference)	708	Btuh
	Latent ventilation gain	690	Btuh
	Latent duct gain	1200	Btuh
	Latent occupant gain (4.0 people @ 200 Btuh per person)	800	Btuh
	Latent other gain	0	Btuh
	Latent total gain	3399	Btuh
	TOTAL GAIN	17675	Btuh

EQUIPMENT							
1. Central Unit	#	17675 Btuh					

*Key: Window types (Panes - 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(1/2))

(Ornt - compass orientation)



Version 8