

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 71

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

S.W. ShellCracker road, , FL,

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=19.0	1344.00 ft ²
3. Number of units, if multiple family	1	b. N/A	R=	ft ²
4. Number of Bedrooms	2	c. N/A	R=	ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1124	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	1124.00 ft ²
a. U-Factor:	Dbl, U=0.47	b. N/A	R=	ft ²
SHGC:	SHGC=0.31	c. N/A	R=	ft ²
b. U-Factor:	N/A	11. Ducts		R ft ²
SHGC:		a. Sup: Attic, Ret: Attic, AH: Exterior		6 225
c. U-Factor:	N/A			
SHGC:		12. Cooling systems	kBtu/hr	Efficiency
d. U-Factor:	N/A	a. Central Unit	22.8	SEER:13.00
SHGC:				
Area Weighted Average Overhang Depth:	1.500 ft.	13. Heating systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.310	a. Electric Heat Pump	22.8	HSPF:7.70
8. Floor Types	Insulation	Area		
a. Raised Floor	R=19.0	1124.00 ft ²		
b. N/A	R=	ft ²		
c. N/A	R=	ft ²		
		14. Hot water systems		
		a. Electric		
		b. Conservation features		
		None		
		15. Credits		



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: [Signature] (Pres)

Date: 4/1/13

Address of New Home: 209 S.W. Lowery Terr.

City/FL Zip: Ft White, FL. 32038

*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.

PROJECT

Title: Sasser Residence	Bedrooms: 2	Address Type: Street Address
Building Type: FLProp2010	Conditioned Area: 1124	Lot #
Owner: Doug Sasser	Total Stories: 1	Block/SubDivision:
# of Units: 1	Worst Case: No	PlatBook:
Builder Name:	Rotate Angle: 0	Street: S.W. ShellCracker road
Permit Office: Columbia	Cross Ventilation: No	County: Columbia
Jurisdiction:	Whole House Fan: No	City, State, Zip: , FL ,
Family Type: Single-family		
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, Ocala	FL_OCALA_MUNI_AWO	2	28	91	70	75	1144.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1124	8992

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	RoomsInBlock1	1124	8992	Yes	2	2	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	R-Value	Area	Tile	Wood	Carpet
_____	1	Raised Floor	RoomsInBlock1	----	1124 ft²	19	0.25	0 0.75

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or Shed	Composition shingles	1185 ft²	186 ft²	Medium	0.9	N	0.9	No	0	18.4

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1124 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	RoomsInBlock1	30	1124 ft²	0.1	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	RoomsInBloc	19	34	0	8	0	272 ft²	0	0.25	0.8	0
✓	2	E	Exterior	Frame - Wood	RoomsInBloc	19	50	0	8	0	400 ft²	0	0.25	0.8	0
✓	3	S	Exterior	Frame - Wood	RoomsInBloc	19	34	0	8	0	272 ft²	0	0.25	0.8	0
✓	4	W	Exterior	Frame - Wood	RoomsInBloc	19	50	0	8	0	400 ft²	0	0.25	0.8	0

DOORS											
✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	N	Wood	RoomsInBloc	None	0.39	3	0	7	0	21 ft²
✓	2	E	Wood	RoomsInBloc	None	0.39	3	0	7	0	21 ft²

WINDOWS														
Orientation shown is the entered, Proposed orientation.														
✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Separation	Int Shade	Screening
✓	1	E	2	Vinyl	Low-E Double	Yes	0.47	0.31	N	12 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
✓	2	E	2	Vinyl	Low-E Double	Yes	0.47	0.31	N	45 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
✓	3	S	3	Vinyl	Low-E Double	Yes	0.47	0.31	N	12 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
✓	4	W	4	Vinyl	Low-E Double	Yes	0.47	0.31	N	60 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
✓	5	W	4	Vinyl	Low-E Double	Yes	0.47	0.31	N	12 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None

INFILTRATION								
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	BySpaces	Proposed SLA	0.000360	1061.3	58.268	109.58	0.2628	7.0821

HEATING SYSTEM							
✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
✓	1	Electric Heat Pump	None	HSPF: 7.7	22.8 kBtu/hr	1	sys#1

COOLING SYSTEM									
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit	Single	SEER: 13	22.8 kBtu/hr	684 cfm	0.7	1	sys#1

HOT WATER SYSTEM									
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	RoomsInBlock	0.92	40 gal	50 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
	None	None			ft²		

DUCTS

✓	#	Location	Supply R-Value	Area	Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF	HVAC # Heat	Cool
	1	Attic	6	225 ft²	Attic	50 ft²	DSE=0.88	Exterior	0.0 cfm	0.00 %	0.00	0.60	1	1

TEMPERATURES

Programable Thermostat: Y				Ceiling Fans:																				
Cooling	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec
Heating	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec
Venting	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec
Thermostat Schedule: HERS 2006 Reference																								
Schedule Type		Hours																						
		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	68	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	68	66											



Load Short Form
Entire House
CAD of Ocala, LLC

Job: Sasser Residence
Date: Mar 26, 2013
By: JAC

53 Hemlock Radial Loop, Ocala, FL 34472 Phone: (352) 390-5609 Fax: (352) 292-4288 Email: Design@cadofocala.com Web: WWW.cadofocala.com

Project Information

For: Doug Sasser
S.W. ShellCracker road, FL

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	34	93	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	36	18	Fireplaces	
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	10	50		

HEATING EQUIPMENT

Make Trane
Trade XB13C
Model 4WCC3030B1
AHRI ref no. 4612794

Efficiency 7.7 HSPF
Heating input
Heating output 27800 Btuh @ 47°F
Temperature rise 26 °F
Actual air flow 973 cfm
Air flow factor 0.062 cfm/Btuh
Static pressure 0.53 in H2O
Space thermostat

COOLING EQUIPMENT

Make Trane
Trade XB13C
Cond 4WCC3030B1
Coil
AHRI ref no. 4612794

Efficiency 11.0 EER, 13 SEER
Sensible cooling 20440 Btuh
Latent cooling 8760 Btuh
Total cooling 29200 Btuh
Actual air flow 973 cfm
Air flow factor 0.051 cfm/Btuh
Static pressure 0.53 in H2O
Load sensible heat ratio 0.86

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
House	1124	15707	19180	973	973
Entire House	d 1124	15707	19180	973	973
Other equip loads		0	0		
Equip. @ 0.98 RSM			18796		
Latent cooling			3168		
TOTALS	1124	15707	21964	973	973

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



wrightsoft

Right-Suite® Universal 2012 12.0.06 RSU11033

C:\Users\David W\Documents\ACE Heat and Air\Sasser Residence.rup Calc = MJ8 Front Door faces:

2013-Mar-26 05:39:11

Page 1



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Sasser Residence Street: S.W. ShellCracker road City, State, Zip: , FL , Owner: Doug Sasser Design Location: FL, Ocala		Builder Name: Permit Office: Columbia Permit Number: Jurisdiction:	
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Glass/Floor Area: 0.125	Total Proposed Modified Loads: 27.55	PASS
	Total Standard Reference Loads: 38.68	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: <u></u> DATE: <u>3-26-13</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. <div style="text-align: center;">  </div> BUILDING OFFICIAL: _____ DATE: _____
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- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist