



PROJECT												
Title:	WEST	Bedrooms	3	Address Type:	Street Address							
Building Type:	User	Conditioned Area:	2370	Lot #								
Owner:	ANITA AND JERRY WEST	Total Stories:	1	Block/SubDivision								
# of Units	1	Worst Case	No	PlatBook								
Builder Name:	DON REED CONSTRUCTIO	Rotate Angle	0	Street:	463 LAKE HARRIS DRI							
Permit Office:	COLUMBIA COUNTY	Cross Ventilation		County:	COLUMBIA							
Jurisdiction:		Whole House Fan		City, State, Zip:	LAKE CITY ,							
Family Type:	Single-family				FL ,							
New/Existing:	New (From Plans)											
Comment	SPRAY FOAM INSULATION											
CLIMATE												
✓	Design Location	TMY Site	IECC Zone	Design Temp 97 5 %	2 5 %	Int Design Temp Winter	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	2370	23700								
SPACES												
	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated	
	1	Main	2370	23700	Yes	2	3	1	Yes	Yes	Yes	
FLOORS												
✓	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet		
_____	1	Slab-On-Grade Edge Insulatio	Main	246 8 ft	0	2370 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	Hip	Composition shingles	2498 ft²	0 ft²	Medium	0 96	No	0 9	No	19 8	18 4
ATTIC												
✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC					
_____	1	Full attic	Unvented	0	2370 ft²	N	N					
CEILING												
✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type					
_____	1	Under Attic (Unvented)	Main	19 8	2370 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	Main	19	63	4	10		633.3 ft²	0	0	0.75	0
2	W	Exterior	Frame - Wood	Main	19	64	4	10		643.3 ft²		0	0.75	0
3	S	Exterior	Frame - Wood	Main	19	46		10		460.0 ft²		0	0.75	0
4	N	Exterior	Frame - Wood	Main	19	59		10		590.0 ft²		0	0.75	0
5	S	Garage	Frame - Wood	Main	19	14		10		140.0 ft²		0	0.75	0

## DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	E	Wood	Main	None	.46	2	8	6	8	17.8 ft²
2	E	Wood	Main	None	.46	2	8	6	8	17.8 ft²
3	W	Wood	Main	None	.46	9		8		72 ft²
4	N	Wood	Main	None	.46	3		6	8	20 ft²
5	N	Wood	Main	None	.46	3		6	8	20 ft²

## WINDOWS

Orientation shown is the entered, Proposed orientation

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
1	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	18.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
2	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	18.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
3	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	18.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
4	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	18.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
5	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	18.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
6	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	18.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
7	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	5.3 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
8	E	1	Vinyl	Low-E Double	Yes	0.59	0.23	5.3 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
9	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	72.0 ft²	17 ft 0 in	1 ft 0 in	Drapes/blinds	None
10	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
11	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
12	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
13	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
14	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	5.3 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
15	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	5.3 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
16	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	5.3 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
17	W	2	Vinyl	Low-E Double	Yes	0.59	0.23	5.3 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
18	S	3	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
19	S	3	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
20	S	3	Vinyl	Low-E Double	Yes	0.59	0.23	18.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
21	N	4	Vinyl	Low-E Double	Yes	0.59	0.23	5.3 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
22	N	4	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None
23	N	4	Vinyl	Low-E Double	Yes	0.59	0.23	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/blinds	None

GARAGE												
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg Wall Height	Exposed Wall Insulation						
✓	1	756 ft²	756 ft²	14 ft	10 ft	19						

INFILTRATION								
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	0005	3108 3	170 64	320 91	365	7 869

HEATING SYSTEM							
✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
✓	1	Electric Heat Pump	None	HSPF: 8	48 kBtu/hr	1	sys#1

COOLING SYSTEM									
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit	None	SEER. 13	48 kBtu/hr	1440 cfm	0 75	1	sys#1

HOT WATER SYSTEM									
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Garage	0 92	50 gal	60 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														
✓	#	--- Supply ---			--- Return ---		Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat Cool	
✓	1	Attic	6	474 ft²	Main	118 5 ft	Default Leakage	Main	(Default)	(Default)			1	1

# TEMPERATURES

Programable Thermostat Y			Ceiling Fans											
Cooling	<input checked="" type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec		
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input 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			1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	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	78
Cooling (WEH)	AM	78	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	78
Heating (WD)	AM	66	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	66
Heating (WEH)	AM	66	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	66

# Florida Code Compliance Checklist

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

ADDRESS: 463 LAKE HARRIS DRIVE  
LAKE CITY, FL,

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\* = 74

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

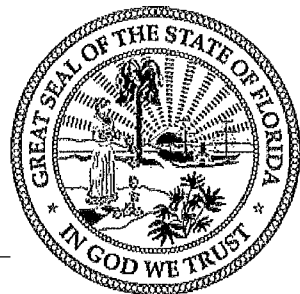
463 LAKE HARRIS DRIVE, LAKE CITY, FL,

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	2326 70 ft²
3 Number of units, if multiple family	1	b Frame - Wood, Adjacent	R=19 0	140.00 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)	2370	10. Ceiling Types	Insulation	Area
7 Windows**	Description	a Roof Deck (Unvented)	R=19 8	2370.00 ft²
a U-Factor	Dbl, U=0 59	b N/A	R=	ft²
SHGC.	SHGC=0 23	c N/A	R=	ft²
b U-Factor	N/A	11 Ducts	R	ft²
SHGC		a Sup Attic, Ret: Main, AH Main	6	474
c U-Factor	N/A	12 Cooling systems	kBtu/hr	Efficiency
SHGC		a Central Unit	48 0	SEER 13 00
d U-Factor	N/A	13 Heating systems	kBtu/hr	Efficiency
SHGC.		a Electric Heat Pump	48 0	HSPF 8.00
Area Weighted Average Overhang Depth.	4 972 ft	14 Hot water systems	Cap	50 gallons
Area Weighted Average SHGC	0 230	a Electric	EF	0 92
8 Floor Types	Insulation	b Conservation features		
a Slab-On-Grade Edge Insulation	R=0 0	None		
b N/A	R=	15 Credits		Pstat
c N/A	R=			

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](http://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.