

PROJECT

Title: New Project REED	Bedrooms: 3	Address Type: Street Address
Building Type: User	Conditioned Area: 1748	Lot #
Owner:	Total Stories: 1	Block/SubDivision:
# of Units: 1	Worst Case: No	PlatBook:
Builder Name: RONALD CLARK CONST.	Rotate Angle: 0	Street:
Permit Office:	Cross Ventilation:	County: Alachua
Jurisdiction:	Whole House Fan:	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, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1748	15732

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1748	15732	Yes	4	3	1	Yes	Yes	Yes

FLOORS

	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet
✓	1	Slab-On-Grade Edge Insulation	Main	200 ft	0	1748 ft²	----	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	1893 ft²	0 ft²	Medium	0.96	No	0.9	No	0	22.6

ATTIC

	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full cathedral ceiling	Vented	300	1748 ft²	N	N

CEILING

	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	Main	30	1748 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	34	9	306.0 ft²		0.23	0.75	0
2	N	Garage	Frame - Wood	Main	13	22	9	198.0 ft²		0.23	0.75	0
3	E	Garage	Frame - Wood	Main	13	10	9	90.0 ft²		0.23	0.75	0
4	E	Exterior	Frame - Wood	Main	13	25	9	225.0 ft²		0.23	0.75	0
5	S	Exterior	Frame - Wood	Main	13	56	9	504.0 ft²		0.23	0.75	0
6	W	Exterior	Frame - Wood	Main	13	44	9	396.0 ft²		0.23	0.75	0

DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
1	N	Insulated	Main	None	.46	3	6 8	20 ft²
2	N	Insulated	Main	None	.46	2 8	6 8	17 8 ft²
3	S	Insulated	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	N	1	Metal	Double (Clear)	Yes	0.5	0.27	45.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
2	E	4	Metal	Double (Clear)	Yes	0.5	0.27	9.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
3	E	4	Metal	Double (Clear)	Yes	0.5	0.27	15.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
4	S	5	Metal	Double (Clear)	Yes	0.5	0.27	75.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None
5	W	6	Metal	Double (Clear)	Yes	0.5	0.27	45.0 ft²	2 ft 0 in	6 ft 0 in	Drapes/blinds	None

GARAGE

✓ #	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
1	484 ft²	484 ft²	64 ft	8 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	.0005	2292.5	125.86	236.69	.385	8.7434

HEATING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Block	Ducts
1	Electric Heat Pump	None	HSPF: 7.7	32 kBtu/hr	1	sys#1

COOLING SYSTEM											
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts		
✓	1	Central Unit	None	SEER: 14	35 kBtu/hr	1050 cfm	0.75	1	sys#1		

HOT WATER SYSTEM									
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Garage	0.92	40 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 Location	R-Value	Area	Return Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat Cool
✓	1	Attic	6	349.6 ft²	Attic	87.4 ft²	Default Leakage	Garage	(Default)	c(Default) c			1 1

TEMPERATURES														
Programable Thermostat: Y				Ceiling Fans:										
Cooling	Heating	Venting	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	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

Florida Code Compliance Checklist

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

ADDRESS: _____, FL,	PERMIT #: _____
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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.

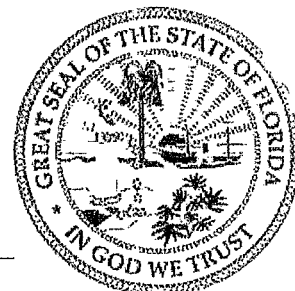
, , FL,

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=13.0	1431.00 ft ²
3 Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	288.00 ft ²
4 Number of Bedrooms	3	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)	1748	10. Ceiling Types	Insulation	Area
7 Windows**	Description	a. Under Attic (Vented)	R=30.0	1748.00 ft ²
a U-Factor.	Dbl, U=0.50	b. N/A	R=	ft ²
SHGC.	SHGC=0.27	c. N/A	R=	ft ²
b U-Factor	N/A	11. Ducts		R ft ²
SHGC.		a. Sup: Attic, Ret: Attic, AH: Garage		6 349.6
c. U-Factor:	N/A			
SHGC.		12. Cooling systems	kBtu/hr	Efficiency
d. U-Factor	N/A	a. Central Unit	35.0	SEER:14.00
SHGC.				
Area Weighted Average Overhang Depth:	2.000 ft.	13. Heating systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.270	a. Electric Heat Pump	32.0	HSPF:7.70
8 Floor Types	Insulation	Area		
a. Slab-On-Grade Edge Insulation	R=0.0	1748.00 ft ²		Cap. 40 gallons
b. N/A	R=	ft ²		EF: 0.92
c. N/A	R=	ft ²		
		14. Hot water systems		
		a. Electric		
		b. Conservation features		
		None		
		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.