FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name New Project Street. City, State, Zip: , FL , Owner Design Location FL, Gainesville		Builder Name. MIKE ROBERTS Permit Office: Permit Number. Jurisdiction:	
1 New construction or existing 2. Single family or multiple family 3 Number of units, if multiple family 4. Number of Bedrooms 5. Is this a worst case? 6 Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) 7 Windows (129.0 saft) Description	New (From Plans) Single-family 1 3 No 1508 0	9 Wall Types (1344.0 sqft.) a. Frame - Wood, Exterior b Frame - Wood, Adjacent c. N/A d N/A 10. Ceiling Types (1508.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A 11. Ducts a. Sun. Attic. Ref. Attic. AH: Garage	Insulation Area R=13 0 1184.00 ft² R=13 0 160 00 ft² R= ft² R= ft² Insulation Area R=38 0 1508 00 ft² R= ft² R= ft² R= ft²
7 Windows(129 0 sqft) Description a. U-Factor Dbl, U=0.52 SHGC. SHGC=0 29 b. U-Factor N/A SHGC c. U-Factor N/A SHGC d U-Factor N/A SHGC	Area 129 00 ft² ft² ft² ft²	a. Sup Attic, Ret: Attic, AH ⁻ Garage 12. Cooling systems a Central Unit 13. Heating systems a. Electric Heat Pump	6 301 6 kBtu/hr Efficiency 28 0 SEER 13 00 kBtu/hr Efficiency 30 0 HSPF 8 00
Area Weighted Average Overhang Depth. Area Weighted Average SHGC: 8. Floor Types (1508.0 sqft.) a Slab-On-Grade Edge Insulation b N/A c N/A	. 2.000 ft. 0.290 Insulation Area R=0 0 1508.00 ft² R= ft² R= ft²	Hot water systems a. Electric b Conservation features None 15. Credits	Cap 40 gallons EF. 0.960 Pstat
Glass/Floor Area: 0.086	Total Proposed Modifie Total Standard Reference		PASS
I hereby certify that the plans and spe this calculation are in compliance with Code.		Review of the plans and specifications covered by this calculation indicates compliance	OF THE STATE

UNCOAST INSULATORS
825 NW 253rd Terrace Newberry, FL 32669

Fax (352) 472-2633 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code

OWNER/AGENT:__ DATE:

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:



for FILE COP Code ompliance

- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklistve

(352) 472-8595



Title: Building Typowner # of Units: Builder Nam Permit Offic Jurisdiction Family Type New/Existin Comment:	1 ne: MIKE ROBERTS	S	Bedrooms: Conditioned Total Stories Worst Case: Rotate Angle	s: 1	2		Address T Lot#	ype.	Street Add	ress	
	g. New (From Plans	s)	Cross Ventil Whole Hous	et 0			Block/Subl PlatBook: Street: County: City, State	, Zip	COLUMBI , FL ,	Α	
				CLIMATE		zani dan kantaran sana sana sana sa		eressee on the second s			Minuse and the second
90000 December (1980) (Design Location	TMY Site	IEC0 Zone		n Temp 2.5 %	Int Desig Winter		Heating Degree Da	Desi ys Moist		Paily Temp Range
	FL, Gainesville	FL_GAINESVILLE	_REGI 2	32	92	70	75	1305 5	51		Medium
	entrikajn ir gapsi nogas, kie sis ir sistem plantajningas, kie pagana kie kieleksi di dala			BLOCKS				engang tanggan ditah di sebagai kaca			
Number	Name	Area	Volume					***************************************			
1	Block1	1508	12064					ngangan matanggan panggan pang			er kann kommelski partier skriver og sk
				SPACES							22.
Number	Name	Area	Volume Ki	itchen Oc	cupants	Bedrooms	Infil ID	Finish	ed C	ooled	Heated
1	RoomsInBlock1	1508	12064	Yes	3	3	1	Yes	Y	es	Yes
				FLOORS			in the second of the second of	and the great state of the state of the		TO THE REAL PROPERTY.	
1	Floor Type Slab-On-Grade Edge II	Space nsulation Roomsi	Perim nBlock1 168 f		/alue 0	Area 1508 ft²	Sin 240 Str.		Tile \	Nood 0	Carpet 1
				ROOF			de distancia de la competato de d				distribution of the second second
V #	‡ Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Dec Insu	
1	Gable or shed	Composition shing	es 1633 ft²	314 ft²	Medium	0.96	No	09	No	0	22.6
				ATTIC		(a and signed	
V #	‡ Type	Ventil	ation	Vent Ratio (1	in)	Area	RBS	IRCC			
1	Full attic	Vent	ed	300		1508 ft²	N	N			
		COLUMN COLOR		CEILING							
# 1	Ceiling Type Under Attic (Ven	nted) R	Space loomsinBlock1	R-Value 38		rea 108 ft²	Framing 0.1			ıss Ty Wood	

	4. Constituents			allogicoles octividad			erika di sabangan ngahikanan	W	\LLS				000489-000-0-200-0-200-0-20-0-2-2-2-2-2-2-2-2			NA PETER STATE STA
V	/ #	Ornt_	36.	Adjace To	nt VVall_	Type	Space	Cavity —R-Value	Wid		Height		Sheathing R-Value	Framing Fraction	Solar —Absor	
	1	N	E	xterior		ne - Wood	RoomsinBi		38	8		304 ft²		0 23	0 75	0
	2	N	G	arage	Fran	ne - Wood	RoomsinBl	ock 13	20	8	;	160 ft²		0 23	0 01	0
	3	Ε	Ε	xterior	Fran	ne - Wood	RoomsinBi	ock 13	26	8	3	208 ft²		0.23	0 75	0
	4	s	Ε	xterior	Frar	ne - Wood	RoomsInBl	lock 13	58	8	3	464 ft²		0.23	0 75	0
	5	W	Е	xterior	Fran	ne - Wood	RoomsInBl	lock 13	26	8	!	208 ft²		0.23	0 75	0
		AND SAN CONTRACTOR		Argum Massara				DC	ORS		27.000 E1127 K12000	The state of the s				
V		#		Ornt		Door Type	Space			Storms	Ũ-,	Value	Width Ft In	Heigh Ft	nt In	Area
		1		N		Insulated	RoomsinBloo	k		None	0 4	60000	3	6	8	20 ft²
		2		N		Insulated	RoomsInBloo	k		None	0.4	60000	3	6	8 1	7 77777
		3		S		Insulated	RoomsinBloo	k		None	0.4	60000	3	6	8 3	6 66666
				a (market en de lande en la			Orientation sh		DOWS		rientat	ion	New York (New York)			
000000000000000000000000000000000000000	eneranea /	nadio (nonice pa di		Wall				STATE OF THE CO	ricica, i	TOPOSCU			erhang	electors with a mission with		
\vee	,	#	Ornt		Frame	Panes	NFRC	U-Factor	SHGC	Storms	Are		Separation	Int Sh	nade	Screening
		1	N	1	Metal	Double (Clear)	Yes	0.52	0 29	N	40 1	ft² 2 ft 0 ir	n 6 ft 0 in	HERS	2006	None
		2	N	1	Metal	Double (Clear)	Yes	0.52	0.29	N	131	ft² 2 ft 0 ir	6ft0in	HERS	2006	None
		3	E	3	Metal	Double (Clear)	Yes	0.52	0.29	N	301	ft² 2 ft 0 ir	n 6 ft 0 in	HERS	2006	None
		4	S	4	Metal	Double (Clear)	Yes	0 52	0 29	И	6 f	t² 2 ft 0 ir	o 6ft0in	HERS	2006	None
		5	S	4	Metal	Double (Clear)	Yes	0 52	0 29	N	40	ft² 2 ft 0 ír	n 6ft0in	HERS	2006	None
								GA	RAGE		***************************************					Mating South and Martin
V	7	#	303,74(-14-5)	Floor	Area	Ceilir	ng Area	Exposed	Wall Per	imeter	Αvg	Wall Heigh	t Expos	sed Wall Ir	nsulation	
		1		440) ft²	44	Oft²		64 ft			8 ft		1		
			2					INFIL	RATIO	ON						
#	Sc	cope		íVí	lethod		SLA	CFM 50	ELA	E	qLA	ACH	AC	:H 50		
1	ByS	Spaces		Propo	sed SL/	A 00	000360	1423.98	78.1747	7 14	7.019	0.27719	70)8214		
	rvici en en en		<u>, waterialis</u>	rėdyni politicosto	nearth Carrier western	ek kara da sasaying yong sonasistan is magaya (i) lasar da bana biguna	And Tibe of the Armed Head	HEATIN	G SYS	TEM		Margaga da con propiese e mar se e e e e	Park on Physiol Carter Act (Sabagement)	THE RESERVE OF THE PROPERTY OF		and the second second second second
		#	Sy	stem Ty	уре		Subtype			Efficienc	У	Capacity	and the second s		Block	Ducts
		1	Ele	ectric H	eat Purr	1 q	None			HSPF 8	3	30 kBtu/h			1	sys#1
								COOLIN	G SYS	TEM						
	7	#	Sy	stem Ty	ype	S. E. CHILDREN CO. C.	Subtype			Efficiency	Ca	apacity	Air Flow	SHR	Block	Ducts
		1	Ce	entral Ui	nit	1	Vone			SEER 13	28	kBtu/hr	840 cfm	0 75	1	sys#1

AND THE PERSONS ASSESSMENT	(Bernina and September 1979)		कर्मकार्यक्रमा स्टब्स्ट्रिक्स एक प्रतिस्थ		нот м	ATER S	VSTEM		ng ka manang ang ang ang ang ang ang ang ang an	the entire physical pour				TEXAL PROPERTY.
OUR BEN CONTROL OF THE SECOND CONTROL OF THE	ng aran padalahan da						-		Medical Annual Company of the		***************************************		en e	0000 St. 10000
V		System Type	SubType	Location			ар	Use	SetPnt		Col	nservation	<u> </u>	
	1	Electric	None	Garag	e 0.96	40	gal	60 gal	120 deg			None		
	20174CBCGGBLANDS EPILYSE	CONTROL OF THE PROPERTY OF THE		S	OLAR HO	T WATE	R SYSTI	EM		1001 000 0 2 2 1 1 1 0 V 0 1 0 V 0 V 0 V 0 V 0 V 0 V 0		N. 1964 - Z. 20 S. 2	Problem Comments	
V	FSEC			en e	Activities of the second					llector	Stora	U		AND COMPANY OF THE PARTY.
	Cert #	Company Na	me		System	Model #	C	ollector Mode	el# /	Area	Volu	me	FEF	
	None	None								ft²				
			100 100 100 100 100 100 100 100 100 100			DUCTS			Para de la composition della c		i kation i mutulog			
/		Supp	yly		Retum			Air	eror minuse alo del serve	Percent		AND DESCRIPTION OF THE PERSON	HV	AC#
V	#	Location R-	Value Area	Locat	on Area	Leaka	age Type	Handle	er CFM 25	Leakage	QN	RLF	Heat	Cool
	1	Attic	6 30161	t² Atti	75.4 ft ²	DS	E=0.88	Garag	e 00cfm	0 00 %	0.00	0 60	1	1
					TEM	PERATL	IRES							
Program	able Therm	iostat [.] Y			Ceiling Fans	3		ne. Pak bende il med Cinda ambrenito di Pala		- 13 - 13 - 13 - 13 - 13 - 13 - 13 - 13	energy Rydfor to sai			er en
Cooling Heating	[X] Jan [X] Jan [X] Jan	X Feb X Feb X Feb	X Mar X Mar X Mar	X Apr X Apr X Apr	X May X May X May	X Jun X Jun X Jun	X Jul X Jul X Jul	[X] Aug [X] Aug [X] Aug	[X] Sep [X] Sep [X] Sep	XX O	ct	[X] Nov [X] Nov [X] Nov	X	Dec Dec Dec
Ventinğ	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] Maý	[X] Jun	[X] Jul	[X] Auğ	[X] Sep	[X] O	ct	X Nov	[X]	Dec
Thermostat Schedule. HERS 2006 Reference Hours														
Schedule 7	Гуре		1	2	3 4	5 	6	7	8	9	10	11	1	12
Cooling (W	/D)	AM PM	78 80	78 80	78 78 78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	<u>8</u>	30 78
Cooling (V	Cooling (WEH)		78 78	78 7 78 7	78 78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	7	78 78
Heating (W	/D)	AM PM	66 68	66 6 68 6	66 66 88 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	38 36
Heating (W	/EH)	AM PM	66 68	66 6 68 6	66 66 68 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	38 36

FORM 405-10

Florida Code Compliance Checklist

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

ADDDEGO.	menager 4.
ADDRESS:	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,

2 3 4	New construction or existing Single family or multiple family or multi	gle family or multiple family single-family nber of units, if multiple family nber of Bedrooms 3				Wall Types a. Frame - Wood, Exterior b Frame - Wood, Adjacent c. N/A d. N/A). Ceiling Types a. Under Attic (Vented)	Insulation R=13 0 R=13 0 R= R= Insulation R=38 0	1184 00 ft ² 160 00 ft ² ft ² ft ²
6	Conditioned floor area (ft²)	6072			b. N/A	R=	ft²
7	Windows** a U-Factor SHGC	Description Dbl, U=0 52 SHGC=0.29		Area 129 00 ft²	11	c N/A Ducts a. Sup Attic, Ret: Attic, AH Garage	R=	ft² R ft² 6 301 6
	b U-Factor* SHGC c U-Factor* SHGC	N/A N/A		ft² ft²	12	2. Cooling systems a. Central Unit	kBtu/hr 28 0	Efficiency SEER 13 00
	d U-Factor SHGC Area Weighted Average CArea Weighted Average S			ft² 2 000 ft 0 290	13	3. Heating systems a Electric Heat Pump	kBtu/hr 30 (Efficiency HSPF 8 00
8	Floor Types a. Slab-On-Grade Edge Ir b N/A c N/A	sulation	Insulation R=0.0 R= R=	Area 1508 00 ft² ft² ft²	14	Hot water systems a. Electric b. Conservation features None	C	ap 40 gallons EF 0 96
					15	5 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.