FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

гіопиа Бера	irtinent of bus	mess and	Profession	al Regulation - Res	sidential Penoi	mance Memod						
Project Name:	Cabral Residence	e:e		Builder Name:								
Street:	EI			Permit Office: Permit Number:								
City, State, Zip: Owner:	, FL,			Jurisdiction:								
Design Location:	FL, Gainesville				umbia(Florida Clima	ate Zone 2)						
New construction	on or existing	New (F	rom Plans)	10. Wall Types(2160	0.0 saft.)	Insulation Area						
2. Single family or	_		Detached	a. Frame - Steel, Ex		R=13.0 2160.00 ft ²						
Number of units	-		1	b. N/A								
Number of Bedr	•		5	c. N/A d. N/A								
5. Is this a worst c			No	11. Ceiling Types(31	16.0 sqft.)	Insulation Area						
6. Conditioned floo		(ft2)	3116	-	no ai (Unvented)	R=30.0 3116.00 ft ²						
	or area below grad		0	b. N/A c. N/A								
7. Windows(254.7	_		Area	12. Roof(Metal, Unve	ent) Deck	R=30.0 3212 ft ²						
a. U-Factor:	Dbl, U=0.6		254.67 ft ²	13. Ducts, location &	insulation level	R ft ²						
SHGC:	SHGC=0.2	27	ft ²	a. Sup: Main, Ret: N	//ain, AH: Main	6 623						
b. U-Factor: SHGC:	N/A		π	b. c.								
c. U-Factor:	N/A		ft ²	14. Cooling Systems		kBtu/hr Efficiency						
SHGC:				a. Central Unit		48.0 SEER2:14.30						
Area Weighted Av	verage Overhang [Jepth:	1.500 ft 0.270									
8. Skylights	Descriptio	n	Area	15. Heating Systems	: I	kBtu/hr Efficiency						
U-Factor:(AVG)	N/A	11	N/A ft ²	a. Electric Heat Pur		48.0 HSPF2:7.50						
SHGC(AVG):	N/A											
9. Floor Types		Insulation	Area	16. Hot Water Syster	ms							
a. Slab-On-Grade	e Edge Insulation	R= 0.0	3116.00 ft ² ft ²	a. ElectricTankless		Cap: 1 gallons						
b. N/A c. N/A		R= R=	π ft ²			EF: 0.920						
O. 14/71		11-		b. Conservation fea	tures	None						
				17. Credits		CF, Pstat						
Glass/Floor Area: 0	0.082	Total P	roposed Modifie		P	ASS						
			Total Baselir									
I hereby certify that				Review of the plans ar	nd	OF THE STATE OF						
this calculation are Code.	in compliance with	1 the Florida	Energy	specifications covered calculation indicates c	by this	OF						
Odde.				with the Florida Energy		15 M 18 18 18 18 18 18 18 18 18 18 18 18 18						
PREPARED BY: _	 			Before construction is	M ~ 81111	DR.						
DATE:	10-18-23	i		this building will be ins compliance with Section		* 2						
DAIL				Florida Statutes.	JII 300.300	*/*						
I hereby certify that		lesigned, is ir	n compliance		AN	COD WE TRUST						
with the Florida En				DI III DINIC OFFICIAL:		- COO						
OWNER/AGENT: DATE:				BUILDING OFFICIAL: DATE:								
_ · · · <u> </u>												

- 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 with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 4.89 ACH50 (R402.4.1.2).

FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

					PRO	JECT								
Own Build Build Perm Juris Fam New Year	ling Type: er: ler Home ID: ler Name: nit Office: diction: ily Type: /Existing:	Cabral Residence User Detached New (From Plans) 2023		Bedroom Condition Total Sto Worst Ca Rotate Al Cross Ve Whole Ho Terrain: Shielding	ned Area: ries: ase: ngle: entilation: ouse Fan:	Rura		Lot # Block PlatE Stree Cour City,	:/SubDivis ook: :t:	 ion: Colu	et Addr	ess		
					CLIM	ATE								
√ Des √ Loc	sign ation		Tmy Site		Desi 97.5%	gn Temp 2.5%		nt Desig Vinter S		Heatin Degree I	_	Design Moisture	Dai Rai	ly temp nge
FL	., Gainesville	F	L_GAINESVILLE	_REGION/	A 32	92		70	75	1305.5	5	51	Medi	um
					BLO	CKS								
√ Nur	nber	Name	Area	Vol	lume									
1		Block1	3116	280	044 cu ft									
					SPA	CES								
√ Nur	nber	Name	Area	Volume	Kitchen	Occu	pants	Bedr	ooms	Finish	ed	Coole	ed H	leated
1		Main	3116	28044	Yes	1	0	5		Yes		Yes	3	Yes
					FLO	ORS		(Total E	xposed	d Are	a = 31	16 sq	.ft.)
/ #	Floor Type	е	Space	Exposed	Perim	Perimete	r R-Valu	ie Area	U-Fact	or Joist F	R-Value	Tile W	/ood	Carpet
1	Slab-On-Gr	ade Edge Ins	Main	24	0	0		3116	t 0.56	3 -		0.20	0.60	0.20
					RO	OF								
/ #	Туре		Materials		loof rea	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Gable or sh	ed	Metal	32	12 ft² 3	390 ft²	Light	N	0.6	No	0.9	No	30	14.04
					ΑT	ГІС								
/ #	Туре		Ventilation	1	Vent R	atio (1 in) A	rea	RBS		IRCC			
1	No attic		Unvented			0	31	16 ft²	N		N			
					CEIL	ING		(Total E	xposed	d Are	a = 31	16 sq	.ft.)
/ #	Ceiling Ty	/pe		Space	R-Va	alue In	s. Type	Are	a U-F	actor F	raming	Frac.	Trus	s Type
		mbly, no airspace(L		Main	30		Blown	3116.		018	0.1			ood

FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

								WA	ALLS	3			(Tota	al Exp	osed .	Area	= 21	60 sc	q.ft.)
\/ # (Ornt	•	acent To	Wall Type		Space)		avity Value	Width Ft I			ight In	Area sq.ft.	U- Factor	Shea R-Val		n. Solai c. Abso	
1 2 3 4	N E S W		Exterior Exterior Exterior Exterior	Frame - Steel Frame - Steel Frame - Steel Frame - Steel		N N	1ain 1ain 1ain 1ain		13.0 13.0 13.0 13.0	82.0	0 0 0 0	9.0 9.0 9.0 9.0	0	738.0 342.0 738.0 342.0	0.205 0.205		0.23 0.23 0.23 0.23	3 0.75 3 0.75	5 0 % 5 0 %
								DO	ORS	3			(T	otal E	xpose	ed Ar	ea =	80 sc	q.ft.)
\/ # C	Ornt		Adjacent	To Door Type		Space)		Stor	ms		U-V	'alue		Vidth =t In		Height Ft In	,	∖rea
1 2 3	N N S		Exterio Exterio Exterio	or Insulated		Mair Mair Mair	1		No	one one one		().46).46).46	3.00 6.00 3.00	0 0	6.00 6.00 6.00	8 0	4	0.0ft² 0.0ft² 0.0ft²
WINDOWS (Total Exposed Area = 255 sq.ft.)																			
\/ # C		Wall ID	Frame	Panes	NFRC U	J-Factor	SHGC	Imp	Storm	Total Area (ft²)		ame Inits	Width (ft)	Height (ft)	Overh Depth (ft)	•	Interio	or Shade	e Screen
1 N 2 N 3 E 5 S 5 S 5 S 7 S 5 S 7 S 5 S 7 S 7 S 7 S	N = = S S S O V	1 1 2 2 3 3 3 4 4	Vinyl	Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double Low-E Double	Y Y Y Y Y Y Y	0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60	0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	N N N N N N N N N	2 2 2 2 2 2 2 2 2	60.0 9.0 3.0 15.0 105.0 6.0 6.7 30.0 20.0		4 1 1 1 7 1 1 1 2 2	3.00 3.00 3.00 3.00 3.00 2.00 1.00 3.00 2.00	5.00 3.00 1.00 5.00 5.00 3.00 6.67 5.00 5.00	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3 2.3	N N N N	one one one one one one one one	None None None None None None None None
							INF	ILT	RAT	ION									
	Scope			ethod	SL		CFM50		ELA	EqL			CH	ACH5					est Volume
1	Who	oleho	use Prop	posed ACH(50)	0.00	028	2286		25.39	235.	41	0.1	004	4.9	Al	l	2804	4 cu ft	
\/ #	N/	- T			Λ				ASS			Furniti	5	ation.		· · · · ·			
1		ss Typ	lbs/sq.ft.)		Are O f				0 ft				0.30			Space Main			
	-	(O	100/04:11:)				HEAT	TING		STF	М		0.00			wan			
V #	Sys	tem T	- уре	S	ubtype/S		AHR			ciency	C	Capacit kBtu/hr		Geoth			np Current	Ducts	Block
1	Elec	ctric F	leat Pump)	None/Sir	ngle			HSPF	2: 7.50		48.0		(0.00	0.00	0.00	sys#1	1
							COOL	IN	G SY	STE	M								
/ #	Sys	tem T	уре	S	ubtype/S	peed	AHR	l #	Ef	ficiency			apacity :Btu/hr		Air Flow cfm	5	SHR	Duct	Block

FORM R405-2022S

INPUT SUMMARY CHECKLIST REPORT

				COC	OLIN	G SY	STEM(Conti	nued)					
1	Central Unit			None/Sing	le		SEEF	R2:14.3	48.0		1440	0.85	sys#1	1
	HOT WATER SYSTEM													
/ #	System Type	Subtype		Location		EF(UE	F) Cap	Us	e Setl	Pnt Fixt	ure Flow	Pipe Ins	. Pipe	e length
1	Electric	Tankless		Exterior		0.92 (0.9	92) 1.00 g	al 80 g	al 120	deg St	andard	None		99
	Recirculation System		Control ype		Loop length	Branc length					Equal Flow	DWHR Eff	Othe	r Credits
1	No				NA	NA	NA	No		NA	NA	NA	Nor	ne
						D	UCTS							
Duc #		ply R-Value Ar		Ret ation	urn R-Value		Leakage	е Туре	Air Handle	CFM 2 er TOT	5 CFM 2 OUT	-	RLF H	HVAC # leat Cool
1	Main	6.0 623 f	t² Main		6.0	156 ft²	Prop. Lea	ak Free	Main			0.03	0.50	1 1
					TI	EMPE	RATU	RES						
Prog Coo Hea Ven	ting [X] Jan	ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	[] N [] N []	Лay	ans: N [X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Au [] Au [] Au	j []Se	.p []C	Oct [X] Nov K] Nov K] Nov	[] Dec [X] Dec [] Dec
	nermostat Sched chedule Type	lule: HERS 2	2006 Refere 1	ence 2	3	4	5	6	lours 7	8	9	10	11	12
C	ooling (WD)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
C	ooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
H	eating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68
H	eating (WEH)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68

Address of New Home:

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX* = 86

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

,,FL,

 New construction or 	existing	New (F	rom Plans)	10. Wall Types(2160.0 sqft.)	Insulatio	•		
2. Single family or mul	Single family or multiple family		Detached	a. Frame - Steel, Exterior	R=13.0	2160.00 ft ²		
3. Number of units, if r	nultiple family		1	b. N/A c. N/A				
4. Number of Bedroom	IS		5	d. N/A				
5. Is this a worst case'			No	11. Ceiling Types(3116.0 sqft.)	Insulatio			
Conditioned floor ar Conditioned floor ar			3116 0	a. Single assembly, no ai (Unvenb. N/Ac. N/A	tea) R=30.0	3116.00 π		
7. Windows** a. U-Factor: SHGC: b. U-Factor: SHGC:	Description Dbl, U=0.60 SHGC=0.27 N/A)	Area 254.67 ft ² ft ²	12. Roof(Metal, Unvent)13. Ducts, location & insulation leva. Sup: Main, Ret: Main, AH: Mainb.		3212 ft ² R ft ² 6 623		
c. U-Factor: SHGC: Area Weighted Avera	N/A	enth:	ft ²	c. 14. Cooling Systems a. Central Unit	kBtu/hr 48.0 S	Efficiency SEER2:14.30		
Area Weighted Avera	-	ериі.	0.270					
8. Skylights U-Factor:(AVG) SHGC(AVG):	Description N/A N/A		Area N/A ft ²	 Heating Systems Electric Heat Pump 	kBtu/hr 48.0	Efficiency HSPF2:7.50		
 Floor Types Slab-On-Grade Ed N/A N/A 	rade Edge Insulation R= R=		On-Grade Edge Insulation R= 0.0 3116.00 R=		Area 3116.00 ft ² ft ²	16. Hot Water Systemsa. ElectricTanklessb. Conservation features	Ca	ap: 1 gallons EF: 0.920
						None		
				17. Credits		CF, 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: _____

THE COD WE TRUST

*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.

City/FL Zip: ,FL,

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