FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Turner Residence Street: Vanguard Realty City, State, Zip: Fort White, FL, 32038 Owner: Design Location: FL, Gainesville	Builder Name: G.Buzbee Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
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(355.3 sqft.) Description a. U-Factor: Dbl, U=0.33 SHGC: SHGC=0.23 b. U-Factor: Dbl, U=0.30 SHGC: SHGC=0.25 c. U-Factor: Dbl, U=0.27 SHGC: SHGC=0.24 Area Weighted Average Overhang Depth: Area Weighted Average SHGC: Skylights Description Area U-Factor:(AVG) Area N/A ft²	10. Wall Types(1968.4 sqft.) a. Frame - Wood, Exterior b. N/A c. N/A d. N/A 11. Ceiling Types(1600.0 sqft.) b. N/A c. N/A 12. Ducts, location & insulation level a. Sup: Attic, Ret: Attic, AH: Main b. c. 13. Cooling Systems a. Central Unit 10. Wall Types(1968.4 sqft.) Insulation R=19.0 1968.40 ft² R= ft²
SHGC(AVG): N/A 9. Floor Types Insulation Area a. Slab-On-Grade Edge Insulation R= 0.0 1600.00 ft² b. N/A R= ft² c. N/A R= ft²	15. Hot Water Systems a. Natural GasTankless Cap: 1 gallons UEF: 0.820 b. Conservation features None 16. Credits CF, Pstat
Glass/Floor Area: 0.222 Total Proposed Modifie Total Baselin	ed Loads: 37.52
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:	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. BUILDING OFFICIAL: DATE:

- 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.
- Default duct leakage does not require a Duct Leakage Test Report.
- 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 7.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

				ı	PROJ	ECT						
Own Build Perm Juris Fam New Year	ling Type: er: der Name: nit Office: diction: ily Type:	Turner Residence User G.Buzbee Detached New (From Plans	;)	Bedrooms Conditione Total Stori Worst Cas Rotate An Cross Ven Whole Ho Terrain: Shielding:	ed Area: les: se: gle: ntilation:	2 1600 1 Yes 180 Suburban Suburban	Lot #: Block PlatB Stree Coun	/SubDivision ook: t:	Street Addr n: Vanguard F Columbia Fort White, FL, 32038			
					CLIMA	ATE						
√ Des √ Loc	sign ation		Tmy Site		Desig 97.5%	n Temp 2.5%	Int Desigr Winter S		Heating Degree Days	Design Moisture	Dai Rai	ly temp nge
FL	., Gainesville		FL_GAINESVILLE_	REGIONA	32	92	70	75	1305.5	51	Medi	um
					BLOC	CKS						
√ Nur	mber	Name	Area	Volu	ıme							
1		Block1	1600	16000								
					SPAC	ES						
√ Nur	mber	Name	Area	Volume	Kitchen	Occupants	Bedro	ooms	Finished	Coole	ed H	leated
1		Main	1600	16000	Yes	3	2		Yes	Yes	5	Yes
					FLOC	RS	(T	otal Exp	posed Are	a = 16	00 sq	.ft.)
\ #	Floor Type	е	Space	Exposed F	Perim P	erimeter R-Va	alue Area	U-Factor	Joist R-Value	Tile W	Vood	Carpet
1	Slab-On-Gra	ade Edge I ns	Main	190.3		0	1600 f	t 0.592		0.25	0.75	0.00
					ROC)F						
\ /#	Туре		Materials	Ro Are		Gable Roof Area Color		Solar Absor.	SA Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
1	Gable or sh	ed	Composition shingles	s 185	2 ft² 46	66 ft² Dark	N	0.96	No 0.9	No	0	30.26
					ATT	IC						
\ #	Туре		Ventilation		Vent Ra	atio (1 in)	Area	RBS	IRCC			
1	Full attic		Vented		1:	50	1600 ft²	N	N			
					CEILI	NG	(Τ	otal Exp	posed Are	a = 16	00 sq	.ft.)
\ #	Ceiling Ty	/pe		Space	R-Val	ue I ns. Typ	oe Are	a U-Fa	ctor Framing	Frac.	Truss	з Туре
1	Under Attic(Vented)		Main	38.0) Blown	1600.	Oft² 0.02	24 0.1 ⁻	1	W	ood

INPUT SUMMARY CHECKLIST REPORT

							W	ALLS			(Tota	al Expo	osed /	Area	a = 196	8 sq	.ft.)
Note: Fi	irst wall o	rientation b	pelow is as entere	d. Actua	I orientat	tion is mo	odified	d by the	rotate a	angle (1	80 deare	es) as sh	own in th	ne "Pro	oject" sect	ion on	page 1.
/	Ad	jacent					Ca	avity	Width	•	Height	Area	U-	Shea	th Frm.	Solar	Below
V # C	Ornt	То	Wall Type		Space	е	R-	Value	Ft I	n	Ft In	sq.ft.	Factor	R-Va	ılue Frac.	Abso	r. Grade
1	NE=>SV	V Exterior	Frame - Wood	l	Ŋ	Main		19.0	34.0	10 1	10.0 0	348.3	0.058	0.7	9 0.23	0.50	0 %
2	NE=>SV	V Exterior	Frame - Wood	I	ľ	Main		19.0	16.0	4 1	10.0 0	163.3	0.058	0.7	9 0.23	0.50	0 %
3		E Exterior	Frame - Wood	Main				19.0		0 1	10.0 0	440.0				0.50	0 %
4		V Exterior	Frame - Wood			Main		19.0			10.0 0	440.0				0.50	0 %
$-\frac{5}{6}$		E Exterior	Frame - Wood			Main		19.0	34.0		10.0 0	348.3				0.50	0 %
$ {7}^{6}$		E Exterior V Exterior	Frame - Wood Frame - Wood			Main Main		19.0 19.0	16.0 11.0		10.0 0 5.0 6	163.3 65.1	0.058 0.058			0.50 0.50	0 % 0 %
							DC	ORS	<u> </u>		(1	otal E	xpose	d Ai	rea = 2	0 sq	.ft.)
/# 0	S4	A -1:	. T. D T		0			04			1.1/-1		/idth		Height	Δ.	
V # C	Ornt	Adjacent	t To Door Type		Space	e 		Stori	ms ———		J-Value		t In		Ft In	A	rea
1	NE=>SV	V Exterio	or Wood		Mai	n		No	ne		0.19	3.00	0	6.0	8 0	20	.Oft²
						V	VIN	DOW	/S		(To	tal Ex _l	oosed	Are	ea = 35	5 sq	.ft.)
,	Wall								Total	Same	. Width	Height	Overh	and			
\/ # c	Ornt ID	Frame	Panes	NERC	U-Factor	SHGC	: Imp	Storm	Area	Units		(ft)	Depth :	_	Interior	Shade	Screen
"	JIIIC ID	Traine	i unoo	111110	O i dotoi	01100	, iiiip	Otomi	(ft²)	Office	(11)	(11)	(ft)	(ft)	monor	Onado	Corcon
	1E=>SW1	,	Low-E Double	Υ	0.27	0.24	Ν	N	3.0	1	3.00	1.00	7.0	1.0	Nor		None
	IE=>SW1	,	Low-E Double	Y	0.33	0.23	N	N	24.0	2	3.00	4.00	7.0	1.0	Nor		Ex. 50%
	1E=>SW7	•	Low-E Double	Y	0.33	0.23	N	N	24.0	4	2.00	3.00		1.0	Nor		None
	1E=>SW2	,	Low-E Double	Y	0.33	0.23	N	N	30.0	2	2.50	6.00		4.0			Ex. 50%
	1W=>SE3 1W=>SE3	,	Low-E Double	Y Y	0.33 0.33	0.23 0.23	N N	N	72.0 30.0	4 2	3.00 2.50	6.00 6.00		1.0 1.0	Drapes/		
	1W=>SE3	,	Low-E Double Low-E Double	Ϋ́	0.33	0.23	N	N N	3.0	1	3.00	1.00	1.3	1.0	Nor		Ex. 50% None
	SE=>NW4	,	Low-E Double	Ϋ́	0.33	0.24	N	N	12.0	1	3.00	4.00		1.0			Ex. 50%
	SW=>NE6	,	Low-E Double	Ϋ́	0.33	0.23	N	N	36.0	2	3.00	6.00		4.0			Ex. 50%
	SW=>NE5	,	Low-E Double	Ý	0.27	0.24	N	N	3.0	1	3.00	1.00		1.0	Nor		None
	SW=>NE5	,	Low-E Double	Ý	0.33	0.23	N	N	60.0	4	2.50	6.00		1.0			Ex. 50%
	SW=>NE5	,	Low-E Double	Ý	0.30	0.25	Ň	N	33.3	1	5.00	6.67	8.0	2.0	Drapes/		None
	SW=>NE5		Low-E Double	Ý	0.30	0.25	N	N	20.0	1	3.00	6.67		2.0	Drapes/		None
	SW=>NE		Low-E Double	Ý	0.27	0.24	N	N	5.0	1	5.00	1.00		1.0	Nor		None
						INF	II T	RAT	ION								
\\	Scope	M	ethod	SI	LA	CFM50		ELA	EqL	A	ACH	ACH50	<u> </u>		Space(s)	
v																	
<u></u>	Wholeho	ouse Prop	posed ACH(50)	0.00	0044	1867	10	02.41	192.	26	0.1500	7.0			All		
							M	ASS									
/ #	Mass Ty	/pe		Ar	ea		Т	hicknes	s	Fur	niture Fra	action	S	Space			
1	Default(8	B lbs/sq.ft.)	0	ft²			0 ft			0.30			Main			
						HEA1	INC	G SY	STE	M							
. /	0 1										.,	0 "					DI :
V # 	System	Гуре		ubtype/\$	Speed	AHR	(I # 	Effici	iency	Capa kBtu	-	Geoth ntry Po			mp D Current	ucts	Block
1	Electric	Heat Pum		Split/Si	ngle			HSPF	: 8.50	33	.4	C	0.00	0.00	0.00 sy	 /s#1	1

INPUT SUMMARY CHECKLIST REPORT

					CO	OLI	NG SYS	STEM						
\ #	System Type		Sub	otype/Spee	d .	AHRI#	Effic	iency	Capacity kBtu/hr		r Flow cfm	SHR	Duct	Block
1	Central Unit			None/Singl	е		SEEF	R:15.0 3	5.4	1	062	0.75	sys#1	1
					НОТ	WA	TER SY	/STEM						
\ #	System Type	Subtype		Location		EF(UE	F) Cap	Use	SetPnt	Fixture	Flow	Pipe Ins.	Pipe	length
1	Natural Gas	Tankless	i.	Exterior		0.82 (0.	82) 1.00 ga	al 50 gal	120 deg	Lo	w	None		99
	Recirculation System		с Control Гуре		Loop length	Brand lengt	•		Faciliti Connec			DWHR Eff	Other	Credits
1	No				NA	NA	NA	No	NA	N.	Α	NA	None	Э
						D	UCTS							
V Buc		ply R-Value A		Retu ation F	ırn R-Value		Leakage	Туре	Air Handler	CFM 25 TOT	CFM 25 OUT	5 QN		HVAC # eat Cool
1 A	Attic	6.0 320	ft² Attic		6.0	80 ft²	Default Le	akage	Main	(Default) (Default)			1 1
					TE	EMPI	ERATU	RES						
Prog Cooli Heati Venti	ing [X] Jan	ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	([] M [] M	lay	ans: N [X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] O [] O [X] C	ct [X] Nov] Nov] Nov	[] Dec [X] Dec [] Dec
	ermostat Sched hedule Type	ule: Florida	Code 2017 1	2	3	4	5	Hou 6	urs 7	8	9	10	11	12
Co	oling (WD)	AM PM	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75
Co	oling (WEH)	AM PM	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75
He	eating (WD)	AM PM	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72
He	eating (WEH)	AM PM	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX* = 80

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

Vanguard Realty, Fort White, FL, 32038

 New construction or ex 	New construction or existing			10. Wall Types(1968.4 sqft.)	Insulation		
2. Single family or multiple	De	tached	a. Frame - Wood, Exterior	R=19.0	1968.40 ft		
3. Number of units, if mult	tiple family		1	b. N/A c. N/A	R= R=		t² t²
4. Number of Bedrooms			2	d. N/A	R=		π ft²
5. Is this a worst case?			Yes	11. Ceiling Types(1600.0 sqft.)	Insulation		
Conditioned floor area Conditioned floor area			1600 0	a. Under Attic (Vented) b. N/A c. N/A	R=38.0 R= R=	1600.00 ft ft	t ²
7. Windows**	Description		Area	12. Ducts, location & insulation level		R ff	t ²
a. U-Factor:	Dbl, U=0.33	28	38.00 ft ²	a. Sup: Attic, Ret: Attic, AH: Main		6 320)
SHGC:	SHGC=0.23	_		b.			
b. U-Factor:	Dbl, U=0.30	5	53.33 ft ²	C.	LeDay /lea	⊏#inin	
SHGC: c. U-Factor:	SHGC=0.25 Dbl, U=0.27	4	14.00 ft ²	13. Cooling Systems a. Central Unit	kBtu/hr	Efficienc SEER:15.0	,
SHGC:	SHGC=0.24		14.00 11	a. Central Offic	33.4	3EER. 13.0	U
Area Weighted Average	Overhang Depth	n: 4	1.097 ft 0.233	14 Hooting Systems	kBtu/hr	Efficienc	21/
Area Weighted Average				 Heating Systems Electric Heat Pump 		Efficienc HSPF:8.5	-
Skylights U-Factor:(AVG)	Description N/A		Area N/A ft²	a. Liectric Fleat Fump	33.4	1101 1 .0.0	U
SHGC(AVG):	N/A						
9. Floor Types a. Slab-On-Grade Edge		sulation 0.0 16	Area 600.00 ft²	15. Hot Water Systems a. Natural GasTankless	Ca	ap: 1 gallon UEF: 0.82	
b. N/A	R= R=		ft ² ft ²	b. Conservation features			
c. N/A	K-		IL	16. Credits		Non CF, Psta	

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: Vanguard Realty	City/FL Zip: Fort 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 Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

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

