## FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Street: City, State, Zip: Owner: Design Location:	Turkey Run Lot Lake City , FL , FL, Gainesville		Builder Name: 386 Development Permit Office: Permit Number: Jurisdiction: County: Columbia (Florida Climat	e Zone 2)
	ultiple family  f multiple family  oms  e?  area above grade (ft²)  area below grade (ft²)	New (From Plans) Single-family 1 3 No 1753 0 Area 139.00 ft²	9. Wall Types (1724.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A 10. Ceiling Types (1753.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A 11. Ducts a. Sup: Attic, Ret: Attic, AH: Garage	Insulation Area R=13.0 1395.50 ft² R=13.0 328.50 ft² R= ft² R= ft² Insulation Area R=30.0 1753.00 ft² R= ft² R= ft² R= ft² R= ft² R ft² R ft² R ft²
SHGC: c. U-Factor: SHGC: d. U-Factor: SHGC:	N/A N/A erage Overhang Deptl	ft² ft²	a. Central Unit     13. Heating systems     a. Electric Heat Pump  14. Hot water systems	36.0 SEER:14.00  kBtu/hr Efficiency 36.0 HSPF:8.50
8. Floor Types (175: a. Slab-On-Grade b. N/A c. N/A	3.0 sqft.)	Insulation Area R=0.0 1753.00 ft <sup>2</sup> R= ft <sup>2</sup> R= ft <sup>2</sup>	a. Electric     b. Conservation features     None     15. Credits	Cap: 40 gallons EF: 0.920 CF, Pstat
Glass/Floor Area	: 0.079	Total Proposed Modifie Total Baseline		PASS
this calculation are Code.  PREPARED BY: DATE:	in compliance with  2-4-21  t this building, as de	cifications covered by the Florida Energy  esigned, is in compliance	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.	COD WE TRUST

- 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 requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

**BUILDING OFFICIAL:** 

- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.000 Qn for whole house.

OWNER/AGENT:\_

DATE:

				PROJE	СТ							
Title: Building Type: Owner Name: # of Units: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Comment:	Turkey Run Lot User 1 386 Developmer Single-family New (From Plan		Bedrooms: Conditioner Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	d Area: es: e: le: ilation:	3 890 1 No 0		Lot # Block PlatE Stree Cour	k/Subdivis Book: et:	20 sion: Tu Co	urkey Run olumbia ake City ,	ion	
				CLIMA	TE							
	gn Location	TMY Site		97.	esign Temp 5 % 2.5 %	Wint	esign Tem er Summ	ner Degi	eating ree Days	s Moistur		nge
FL, (	Gainesville	FL_GAINESVILLE	_REGI		2 92	70	75	1	305.5	51	Me	edium
				BLOCK	KS							
Number	Name	Area	Volume									
1	Block1	1753	15777									
				SPACE	ES							
Number	Name	Area			Occupants	Bedro			Finished			Heated
1	Main	1753	15777	Yes	6	3	1		Yes	Yes		Yes
				FLOOF								
	Floor Type o-On-Grade Edge I	Space nsulatio Ma			R-Value 0	Area 1753 ft <sup>2</sup>	<u> </u>			Tile Wo	od Ca	rpet .34
	o on Grade Eage i	riodiano ivic	100	ROOI		1700 11				0.00	-	.01
	Туре	Materials	Roof Area	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Gable or shed	Composition shingl	les 1961 ft²	438 ft²	Medium	N	0.85	No	0.9	No	0	26.6
				ATTIC								
√ #	Туре	Ventila	ation	Vent Ratio	o (1 in)	Area	RBS	IR	CC			
1	Full attic	Vent	ed	300		1753 ft²	N	١	١			
				CEILIN	IG							
V #	Ceiling Type		Space	R-Value	Ins T	уре	Area	Framing Frac		c Truss	Туре	
1	Under Attic (Ven	ited)	Main	30	Blow	n	1753 ft <sup>2</sup>	753 ft <sup>2</sup> 0.11		Wood		

## INPUT SUMMARY CHECKLIST REPORT

		2017			INPUT S			LLS								
$\checkmark$	# Orn		Adjace To	ent Wall	Type	Space	Cavity R-Value	Wic Ft	lth In	H Ft	eight In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
	1 N	E	xterior		me - Wood	Main	13	23	4	9		210.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	2 N	Е	xterior	Fran	me - Wood	Main	13	20	8	10		206.7 ft <sup>2</sup>	0.625	0.23	0.75	0
	3 N	Е	xterior	Fran	me - Wood	Main	13	14	4	9		129.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	4 E	Е	xterior	Fran	me - Wood	Main	13	35	4	9		318.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	5 S	Е	xterior	Fran	me - Wood	Main	13	14	4	9		129.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	6 S	E	xterior	Fran	me - Wood	Main	13	20	4	10		203.3 ft <sup>2</sup>	0.625	0.23	0.75	0
	7 W	' E	xterior	Fran	me - Wood	Main	13	2		9		18.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	8 W	E	xterior	Fran	me - Wood	Main	13	20	2	9		181.5 ft <sup>2</sup>	0.625	0.23	0.75	0
	9 S	G	Sarage	Fran	me - Wood	Main	13	36	6	9		328.5 ft <sup>2</sup>	0.625	0.23	0.75	0
							DO	ORS								
$\vee$	#		Ornt		Door Type	Space			Storms	3	U-Valu	ie Fi	Width In	Height Ft	In	Area
	_ 1		Ν		Insulated	Main			None		.4	3		6	8	20 ft <sup>2</sup>
	_ 2		S		Insulated	Main			None		.4	3		6	8	20 ft <sup>2</sup>
	_ 3		S		Insulated	Main			None		.4	3		6	8	20 ft <sup>2</sup>
					Ori	entation sh	WIND own is the en			ed ori	entation	ı.				
. /			Wall									Ove	hang			
V	#	Ornt	ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	0	Area	Depth	Separation	Int Sha	ide :	Screenin
	_ 1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	;	30.0 ft <sup>2</sup>	1 ft 6 in	1 ft 4 in	None	)	None
	_ 2	N	2	Vinyl	Low-E Double	Yes	0.33	0.22	N		18.0 ft <sup>2</sup>	9 ft 6 in	1 ft 4 in	None	)	None
	_ 3	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N		15.0 ft <sup>2</sup>	1 ft 6 in	1 ft 4 in	None	9	None
	_ 4	Е	4	Vinyl	Low-E Double	Yes	0.33	0.22	N		4.0 ft <sup>2</sup>	1 ft 6 in	1 ft 4 in	None	9	None
	_ 5	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	N		30.0 ft <sup>2</sup>	1 ft 6 in	1 ft 4 in	None		None
	_ 6	S	6	Vinyl	Low-E Double	Yes	0.33	0.22	N		30.0 ft <sup>2</sup>	7 ft 6 in	1 ft 4 in	None		None
	_ 7	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N		12.0 ft <sup>2</sup>	1 ft 6 in	1 ft 4 in	None	9	None
							GAR	AGE								
	#		Floo	r Area	Ceiling	Area	Exposed V	/all Per	imeter		Avg. Wa	all Height	Expose	ed Wall Ins	ulation	
	_ 1		483.91	0778 ft <sup>2</sup>	483.910	778 ft²	5	8 ft			9	ft		13		
							INFILTI	RATIO	ON							
#	Scope	cope Method S		SLA	CFM 50	ELA		EqLA ACH		ACH	ACI	H 50				
	Vholehou	100	Drop	osed AC	`H(50) 000	)286	1314.8	72.18		135.7		.1128		5		

## INPUT SUMMARY CHECKLIST REPORT

ORM R4	100-20	17		IINP	0130	IVIIVI		NG SY	LIST RE STEM	-ruki					
$\sqrt{}$	#	Syste	m Type		Subty	ре	Spee	ed	Efficiency	/ Ca	pacity			Block	Ducts
	1	Electric Heat Pump/					Sing	Singl HSPI		8.5 36 kBtu/hr			1		sys#1
							COOL	ING SY	STEM						
$\sqrt{}$	#	Syste	m Type		Subty	ре	Subt	уре	Efficiency	Capacity	Air	Flow	SHR	Block	Ducts
	1	Centr	al Unit/		None		Sing	I	SEER: 14	36 kBtu/h	r 1080	) cfm	0.85	1	sys#1
							HOT WA	ATER S	YSTEM						
$\sqrt{}$	#	Sys	tem Type	SubType	Loc	ation	EF	(	Сар	Use	SetPnt		Co	nservatio	n
	1	Ele	ctric	None	Gar	age	0.92	40	) gal	60 gal	120 deg			None	
						SOL	AR HOT	WATE	R SYSTE	EM					
$\checkmark$	FSEC Cert		ompany Na	ame	System Model #				Co	ollector Mode	Co el#		Storage Volume		
	None	e N	one									ft²			
							I	DUCTS							
$\checkmark$	#	Lo	Supp cation R-	oly Value Area		Ref	turn Area	Leak	age Type	Air Handleı	CFM 25 TOT	CFM: OU		RLF	HVAC # Heat Cod
	1	,	Attic	6 350.6	ft A	Attic	87.65 ft		ılt Leakage	Garage	(Default)	) (Defa	ault)		1 1
								ERATI	JRES						
Program							eiling Fans:					_			
Cooling Heating Venting	[x];	Jan	[ ] Feb [X] Feb [ ] Feb	[ ] Mar [X] Mar [X] Mar	[ ] Ap Ap [X] Ap	r r r	May May May	[X] Jun [ ] Jun [ ] Jun	[X] Jul [ ] Jul [ ] Jul	[X] Aug   Aug   Aug	[X] Se [ ] Se [ ] Se	p [	Oct Oct X Oct	[ ] Nov [X] Nov [X] Nov	[ ] Dec [X] Dec [ ] Dec
Thermosta Schedule		dule:	HERS 200	6 Reference 1	2	3	4	5	Но 6	ours 7	8	9	10	11	12
Cooling (V	VD)		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
Cooling (V	VEH)		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
Heating (V	VD)		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
Heating (V	VEH)		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
			. 101		30	50		MASS					00		
Ma	ass Typ	е			Area	à		Thicknes	SS	Furniture Fra	action		Space		
De	efault(8	lbs/sq	.ft.		0 ft²			0 ft		0.3			Main		